lighting design | studio

Park West Car Park

Lighting recommendations

November 2021

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Introduction

Lighting Design Studio have been commissioned to provide an assessment of the existing lighting scheme based on BSP - 1863 - Lighting Assessment Summary (210129) and the lighting design as proposed by Wirefield lighting to ensure that the planning criteria as stipulated by the planning authority, Environmental health report: Planning Consultation Memo - WK125908 and Historic England Comments - P01435424 are addressed.

BSP report highlight illumination requirement as set out in best practices for the lighting of car parks.

Due to the sensitive nature of the site it is recommended to reduce the illuminance levels for the external lighting as much as possible.

Recommendations have been taken from BS5489 & EN12464 which recommend an illuminance criteria of 10 lux and 0.25 for an area of medium traffic for multipurpose building complex.

The covered underground lighting levels should remain as per the original recommendations.

Table 4 — *Maintained lighting levels for outdoor car parks*

Values in lux

Type of area and usage	$\bar{E}$	U_o
Light traffic, e.g. parking areas of shops, terraced and apartment houses; cycle parks	5	0.25
Medium traffic, e.g. parking areas of department stores, office buildings, plants, sports and multipurpose building complexes	10	0.25
Heavy traffic, e.g. parking areas of major shopping centres, major sports and multipurpose sports and building complexes	20	0.25

As well as reduced illumaince levels further methods of reducing the impact of the lighting are discussed below.

- The lighting scheme has a control system which will dim all column mounted lights 50% post curfew. (with the exception of lighting to pathways)
- LED lighting with a 3000k warm white light will be utilized to create a warmer and more welcoming feel to the scheme.
- The column heights will not exceed the original column heights.
- Back shields will be fitted to luminaires around the perimeter of the site to further reduce the impact.

Current recommendations on obtrusive light.

Table 3 (CIE 150 table 2): Maximum values of vertical illuminance on properties.

Light technical parameter	Application conditions	Environmental zone				
		E0	E1	E2	E3	E4
Illuminance in the vertical plane (E_v)	Pre-curfew	n/a	2 lx	5 lx	10 lx	25 lx
	Post-curfew	n/a	<0.1 lx*	1 lx	2 lx	5 lx

Note:

Table 6 (CIE 150 table 5): Maximum values of upward light ratio (ULR) of luminaires.

Light technical parameter	Environmental zones				
	E0	E1	E2	E3	E4
Upward light ratio (ULR)/%	0	0	2.5	5	15

As identified in BSP - 1863 - Lighting Assessment Summary (210129) and further discussions with Arups planning consultant the area is defined as an ‘E3’ Environmental zone which is defined as; “Areas of ‘medium district brightness generally urban areas with mixed recreational and commercial land use”.

The ILP guidance documents provide measurable lighting levels to ascertain the acceptability of external illuminance levels at night.

Hence the maximum average vertical illuminance is 10 lux pre-curfew and 2 lux post curfew for this project.

Guidance documents indicate that a curfew is set as 23:00hrs.

As well as guidance on the vertical illumination recommendation on the upward lighting ratio are given and in this case are not to exceed 5%. The calculated results are within this criteria.

Vertical illumination



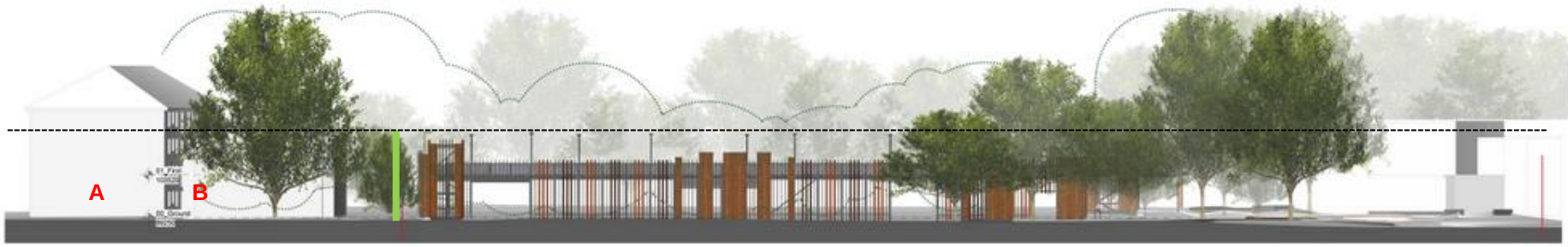


VIEW 2 FROM WOODSIDE HOUSE - WINTER VIEW



It has been requested that vertical lux calculations are produced. Areas A and B are for the residential areas of woodside close.

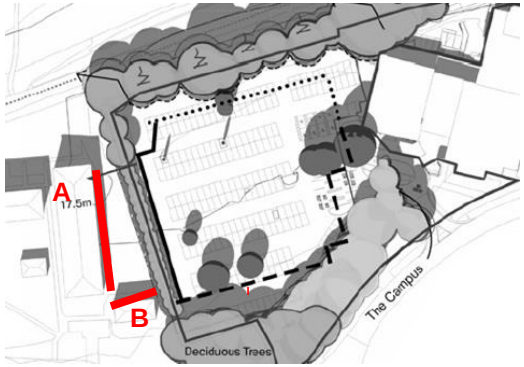
It should be noted that there are mature 8.5m high conifers to the perimeter of the site boundary in green which will significantly reduce or completely inhibit the light spill in to the properties as are higher than the columns on the top deck. Due to the complexity of modelling trees they have been omitted from the calculations.



1 P020 **Proposed South Elevation with Context**
Scale - 1 : 200

Trees behind cut of elevation

Vertical illumination – calculated results



Vertical calculations have been taken from Wirefield calculated results.

Results are shown to be within the recommendations for post and pre-curfew design guidelines.

Vertical calculation plane taken at point A 50 m and 10m (vertical face of building A)

Pre curfew levels 100%

Average illuminance	Em	: 1.21 lx
Minimum illuminance	Emin	: 0.7 lx
Maximum illuminance	Emax	: 1.92 lx
Uniformity Uo	Emin/Em	: 1 : 1.73 (0.58)
Diversity Ud	Emin/Emax	: 1 : 2.74 (0.36)

Post Curfew 50%

Average illuminance	Em	: 0.6 lx
Minimum illuminance	Emin	: 0.35 lx
Maximum illuminance	Emax	: 0.96 lx
Uniformity Uo	Emin/Em	: 1 : 1.73 (0.58)
Diversity Ud	Emin/Emax	: 1 : 2.74 (0.36)

Vertical calculation plane taken at point B 14m and 2.75m (vertical face of building B)

Pre curfew levels 100%

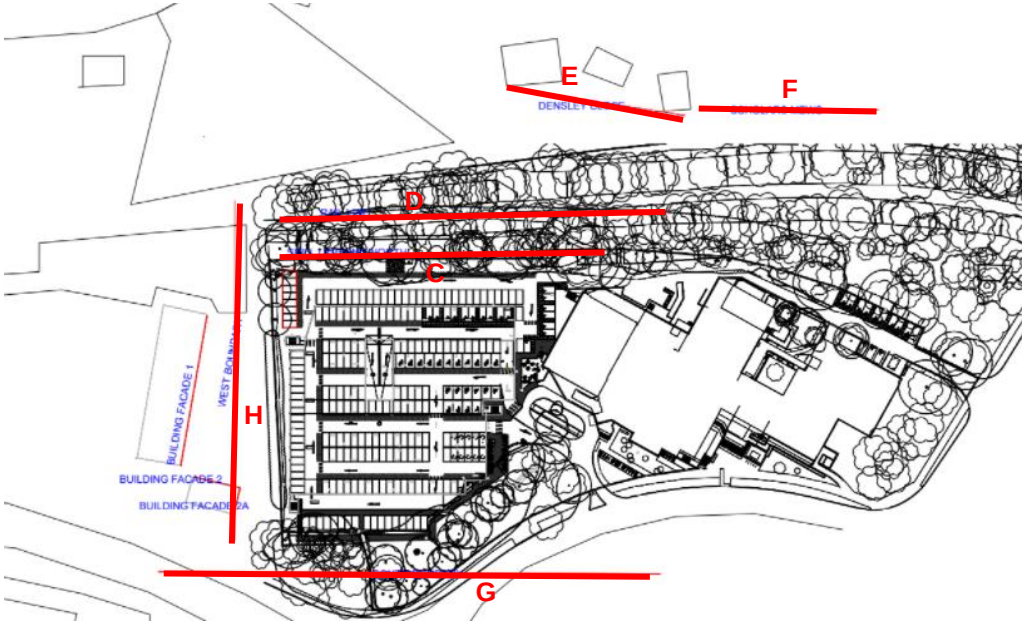
Average illuminance	Em	: 1.91 lx
Minimum illuminance	Emin	: 0.88 lx
Maximum illuminance	Emax	: 3.02 lx
Uniformity Uo	Emin/Em	: 1 : 2.17 (0.46)
Diversity Ud	Emin/Emax	: 1 : 3.44 (0.29)

Post Curfew 50%

Average illuminance	Em	: 0.61 lx
Minimum illuminance	Emin	: 0.3 lx
Maximum illuminance	Emax	: 1.01 lx
Uniformity Uo	Emin/Em	: 1 : 2.07 (0.48)
Diversity Ud	Emin/Emax	: 1 : 3.40 (0.29)

Calculated results can be viewed in Appendices Campus West Lighting report 100% RevP06 & Campus West Lighting report 50% RevP06

Boundary Vertical illumination – calculated results Pre-curfew 100%



Vertical calculations have also been taken on boundary lines C, H & G.
And also in the disused train track area D & residential areas E & F

Results are shown to be within the recommendations for post and pre-curfew design guidelines.

Vertical calculation plane taken at point C Northern Boundary (110m x 10m)

Average illuminance	Em	: 3.8 lx
Minimum illuminance	Emin	: 0.8 lx
Maximum illuminance	Emax	: 29.8 lx
Uniformity Uo	Emin/Em	: 1 : 4.74 (0.21)
Diversity Ud	Emin/Emax	: 1 : 37.37 (0.03)

Vertical calculation plane taken at point D Railway line (130m x 10m)

Average illuminance	Em	: 1.32 lx
Minimum illuminance	Emin	: 0.22 lx
Maximum illuminance	Emax	: 2.81 lx
Uniformity Uo	Emin/Em	: 1 : 6.11 (0.16)
Diversity Ud	Emin/Emax	: 1 : 12.96 (0.08)

Vertical calculation plane taken at point E Densley Close (55m x 3m)

Average illuminance	Em	: 0.42 lx
Minimum illuminance	Emin	: 0.21 lx
Maximum illuminance	Emax	: 0.58 lx
Uniformity Uo	Emin/Em	: 1 : 2.03 (0.49)
Diversity Ud	Emin/Emax	: 1 : 2.77 (0.36)

Vertical calculation plane taken at point F Scolars Mews (60m x 3m)

Average illuminance	Em	: 0.42 lx
Minimum illuminance	Emin	: 0.21 lx
Maximum illuminance	Emax	: 0.58 lx
Uniformity Uo	Emin/Em	: 1 : 2.03 (0.49)
Diversity Ud	Emin/Emax	: 1 : 2.77 (0.36)

Vertical calculation plane taken at point G Southern Boundary (150m x 10m)

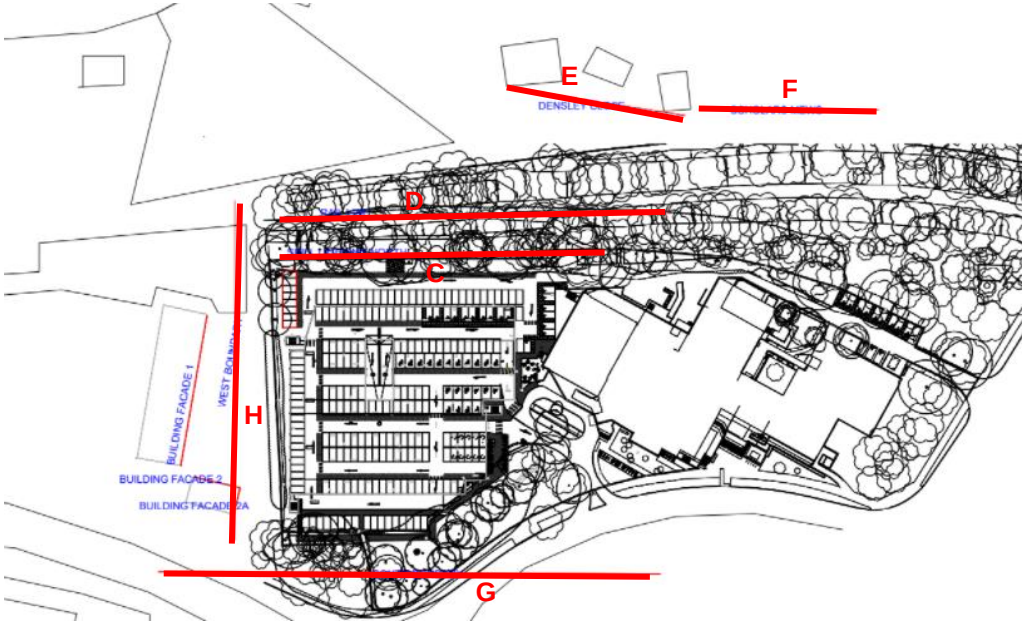
Average illuminance	Em	: 1.21 lx
Minimum illuminance	Emin	: 0.1 lx
Maximum illuminance	Emax	: 4.11 lx
Uniformity Uo	Emin/Em	: 1 : 11.82 (0.08)
Diversity Ud	Emin/Emax	: 1 : 40.01 (0.02)

Vertical calculation plane taken at point H Western Boundary (110m x 10m)

Average illuminance	Em	: 2.4 lx
Minimum illuminance	Emin	: 0.31 lx
Maximum illuminance	Emax	: 7.5 lx
Uniformity Uo	Emin/Em	: 1 : 7.70 (0.13)
Diversity Ud	Emin/Emax	: 1 : 24.00 (0.04)

Calculated results can be viewed in Appendices Campus West Lighting report 100% RevP06 & Campus West Lighting report 50% RevP06

Boundary Vertical illumination – calculated results Post curfew 50%



Vertical calculations have also been taken on boundary lines C, H & G.
And also in the disused train track area D & residential areas E & F.

Results are shown to be within the recommendations for post and pre-curfew design guidelines.

Vertical calculation plane taken at point C Northern Boundary (110m x 10m)

Average illuminance	Em	: 1.9 lx
Minimum illuminance	Emin	: 0.4 lx
Maximum illuminance	Emax	: 14.9 lx
Uniformity Uo	Emin/Em	: 1 : 4.74 (0.21)
Diversity Ud	Emin/Emax	: 1 : 37.43 (0.03)

Vertical calculation plane taken at point D Railway line (130m x 10m)

Average illuminance	Em	: 0.66 lx
Minimum illuminance	Emin	: 0.11 lx
Maximum illuminance	Emax	: 1.4 lx
Uniformity Uo	Emin/Em	: 1 : 6.10 (0.16)
Diversity Ud	Emin/Emax	: 1 : 12.95 (0.08)

Vertical calculation plane taken at point E Densley Close (55m x 3m)

Average illuminance	Em	: 0.21 lx
Minimum illuminance	Emin	: 0.1 lx
Maximum illuminance	Emax	: 0.29 lx
Uniformity Uo	Emin/Em	: 1 : 2.03 (0.49)
Diversity Ud	Emin/Emax	: 1 : 2.77 (0.36)

Vertical calculation plane taken at point F Scolars Mews (60m x 3m)

Average illuminance	Em	: 0.07 lx
Minimum illuminance	Emin	: 0.03 lx
Maximum illuminance	Emax	: 0.12 lx
Uniformity Uo	Emin/Em	: 1 : 2.16 (0.46)
Diversity Ud	Emin/Emax	: 1 : 3.59 (0.28)

Vertical calculation plane taken at point G Southern Boundary (150m x 10m)

Average illuminance	Em	: 0.61 lx
Minimum illuminance	Emin	: 0.05 lx
Maximum illuminance	Emax	: 2.05 lx
Uniformity Uo	Emin/Em	: 1 : 11.88 (0.08)
Diversity Ud	Emin/Emax	: 1 : 40.18 (0.02)

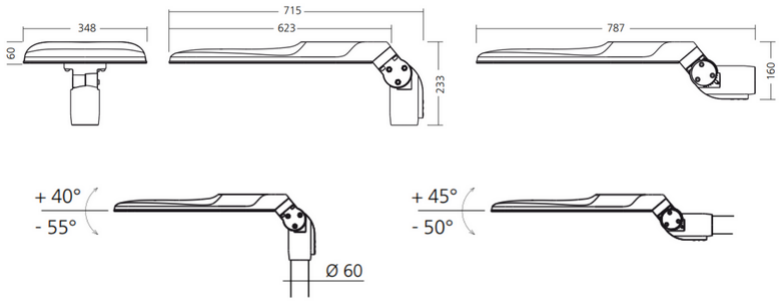
Vertical calculation plane taken at point H Western Boundary (110m x 10m)

Average illuminance	Em	: 1.2 lx
Minimum illuminance	Emin	: 0.16 lx
Maximum illuminance	Emax	: 3.75 lx
Uniformity Uo	Emin/Em	: 1 : 7.71 (0.13)
Diversity Ud	Emin/Emax	: 1 : 24.10 (0.04)

Calculated results can be viewed in Appendices Campus West Lighting report 100% RevP06 & Campus West Lighting report 50% RevP06

LED flood light for car park





Product code : STLED35

Manufacturer : Wirefield

Lumen output : 3750 lm

Wattage : 35

Colour temp : 3000k

CRI : > 70

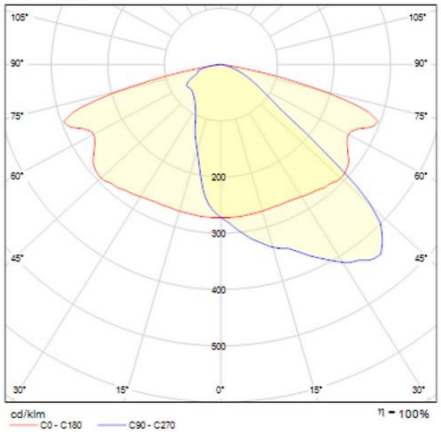
IP67

Mounting height 4m on car park deck.

Mounting height 6m on ground level

Fittings which are around the boundary of the site will be fitted with back shields

Polar Diagram:





Back shield

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Linear LED Lower Car Park



Product code : GTB46

Manufacturer : Wirefield

Lumen output : 4614 lm

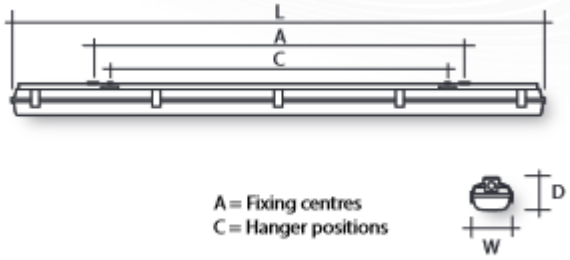
Wattage : 33

Colour temp : 3000k

CRI : > 70

IP54

Mounted on underside of car park deck



Appendices

Campus West MSCP

Installation : Rev P06 100% output

Project number :
Customer :
Processed by :
Date : 09.11.2021

Lighting Design Service:

The Wirefield lighting design service is free of charge. Lighting designs are undertaken in accordance with any information supplied to us. Wirefield will not be held responsible for inaccurate, incomplete or out of date information which the design is based on.

It remains the responsiblity of the client to check the design meets the requirements of the project and any apllicable standards.

Where an emergency design has been requested it will be designed in accordance with BS5266-1,7_8. However this will be subject to a risk assessment by the relevant partyy, in addition to coverage of related points such as firefighting equipment and alarm call points. As a result, the design is limited until this infromation is provided.

In addition to the above, any assumptions will be outlined in any correspondance with the customer; if any assumptions are incorrect the lighting designer will need to be notified.

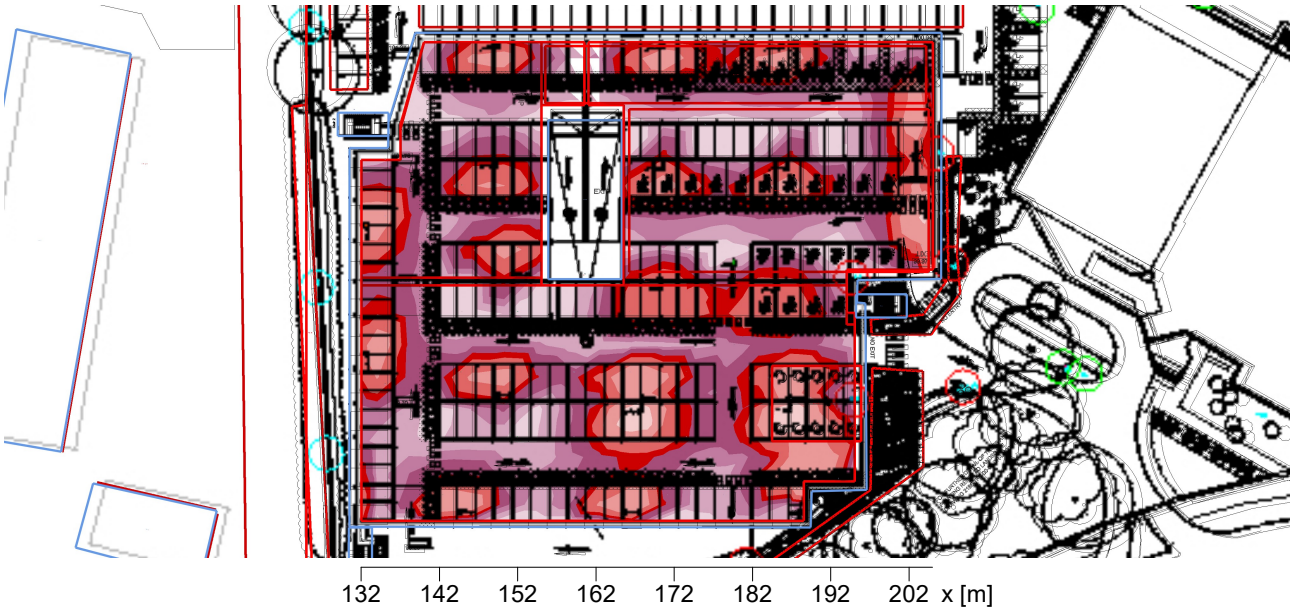
The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

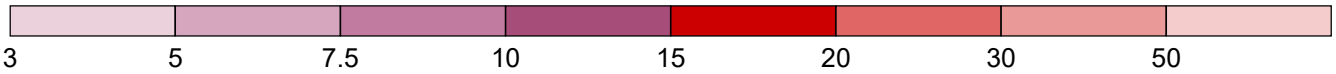
This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

1 Exterior 1

1.1 Summary, Exterior 1

1.1.1 Result overview, Upper deck





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	3.10 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	14.6 lx
Minimum illuminance	Emin	3.23 lx
Maximum illuminance	Emax	62.1 lx
Uniformity Uo	Emin/Em	1:4.54 (0.22)
Diversity Ud	Emin/Emax	1:19.2 (0.05)

Type No.\Make

	Wirefield Ltd	
1 43	Order No.	: STLED35-3K L04.LDT
	Luminaire name	: STLED35/3K/L04
	Equipment	: 1 x LED 35 W / 3750 lm
4 1	Order No.	: STLED35-3K L01.LDT
	Luminaire name	: STLED35/3K/L01
	Equipment	: 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1 Exterior 1

1.1 Summary, Exterior 1

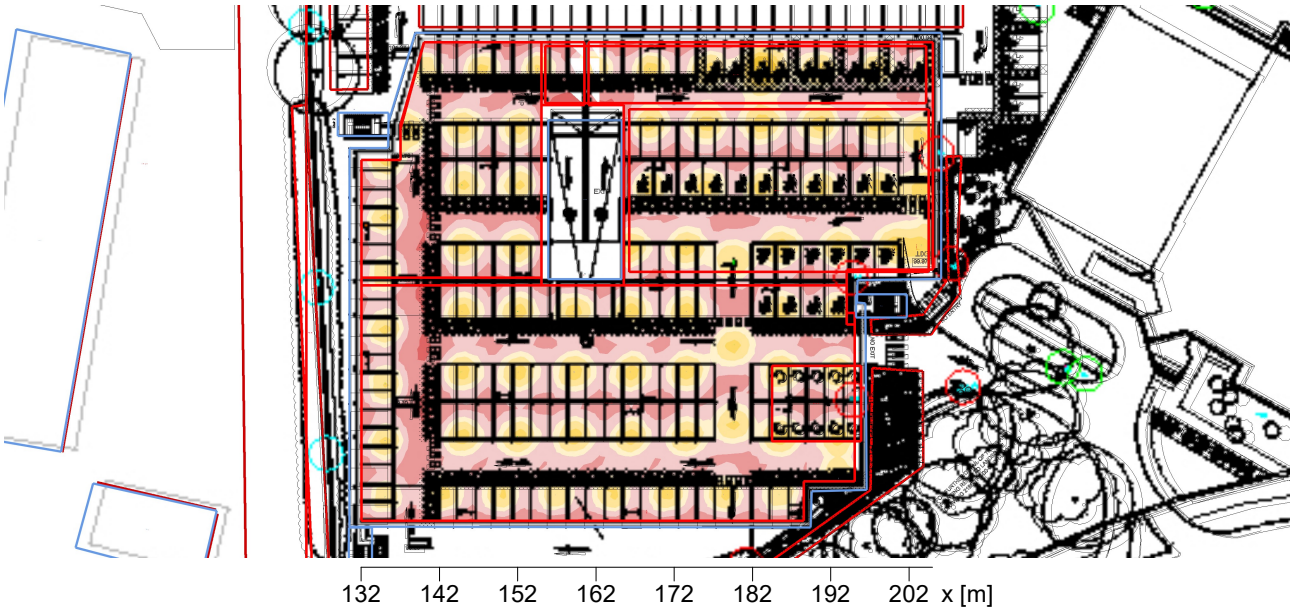
1.1.1 Result overview, Upper deck

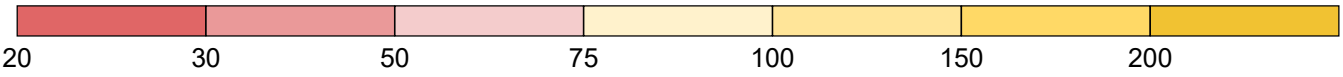
WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.2 Result overview, Lower deck





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.20 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	75.4 lx
Minimum illuminance	Emin	28.1 lx
Maximum illuminance	Emax	216 lx
Uniformity Uo	Emin/Em	1:2.68 (0.37)
Diversity Ud	Emin/Emax	1:7.68 (0.13)

Type No.\Make

	Wirefield Ltd	
1 43	Order No.	: STLED35-3K L04.LDT
	Luminaire name	: STLED35/3K/L04
	Equipment	: 1 x LED 35 W / 3750 lm
4 1	Order No.	: STLED35-3K L01.LDT
	Luminaire name	: STLED35/3K/L01
	Equipment	: 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

1.1.2 Result overview, Lower deck

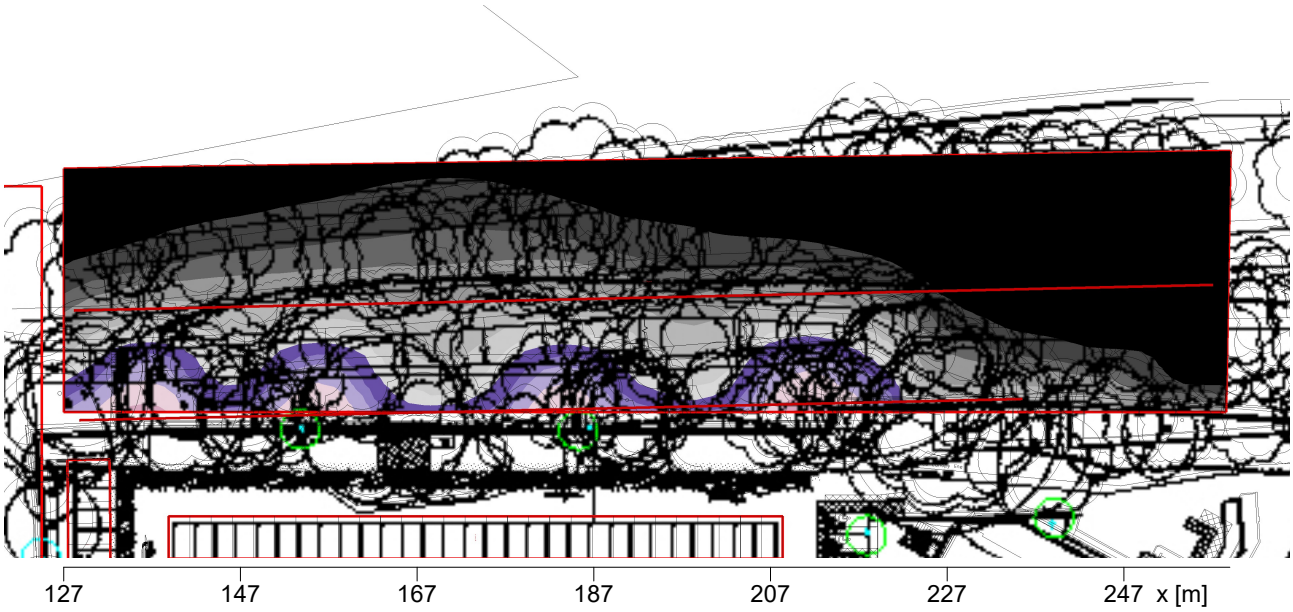
WIREFIELD Ltd

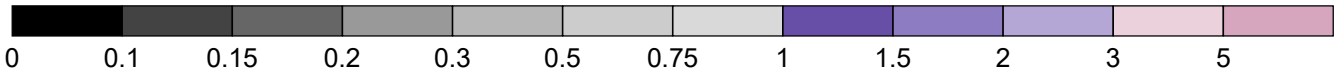
2 35
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

3 40
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.3 Result overview, Spill lighting north





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	0.44 lx
Minimum illuminance	Emin	0.02 lx
Maximum illuminance	Emax	5.63 lx
Uniformity Uo	Emin/Em	1:27.1 (0.04)
Diversity Ud	Emin/Emax	1:347 (0)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

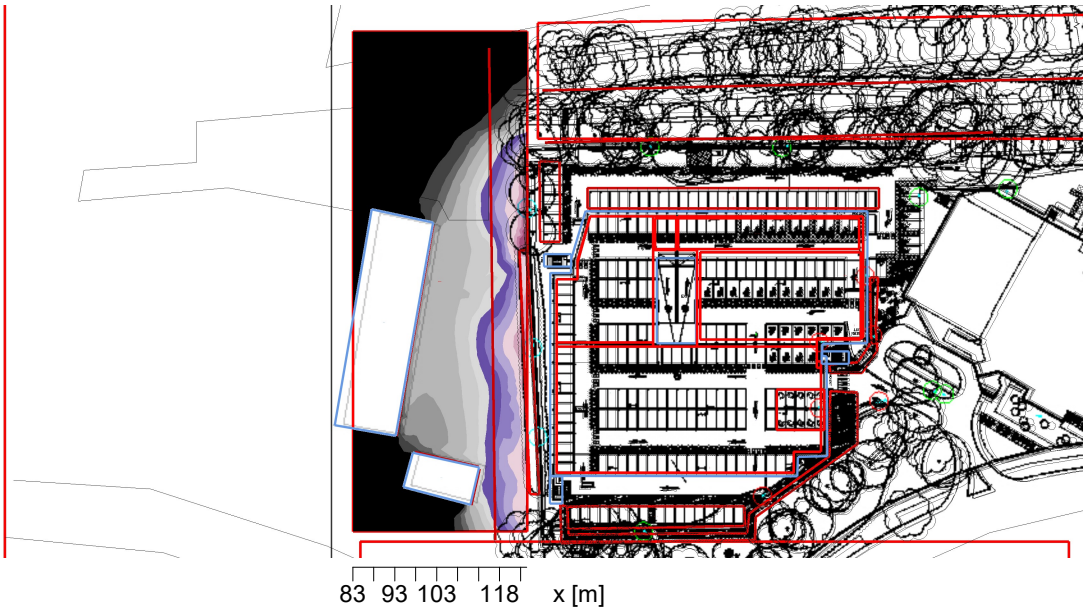
1.1.3 Result overview, Spill lighting north

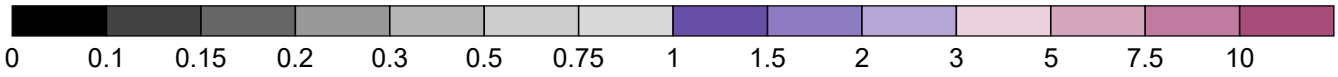
WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.4 Result overview, Spill lighting west





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	0.75 lx
Minimum illuminance	Emin	0 lx
Maximum illuminance	Emax	11.6 lx
Uniformity Uo	Emin/Em	1:--- (---)
Diversity Ud	Emin/Emax	1:--- (---)

Type No.\Make

	Wirefield Ltd	
1 43	Order No.	: STLED35-3K L04.LDT
	Luminaire name	: STLED35/3K/L04
	Equipment	: 1 x LED 35 W / 3750 lm
4 1	Order No.	: STLED35-3K L01.LDT
	Luminaire name	: STLED35/3K/L01
	Equipment	: 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

1.1.4 Result overview, Spill lighting west

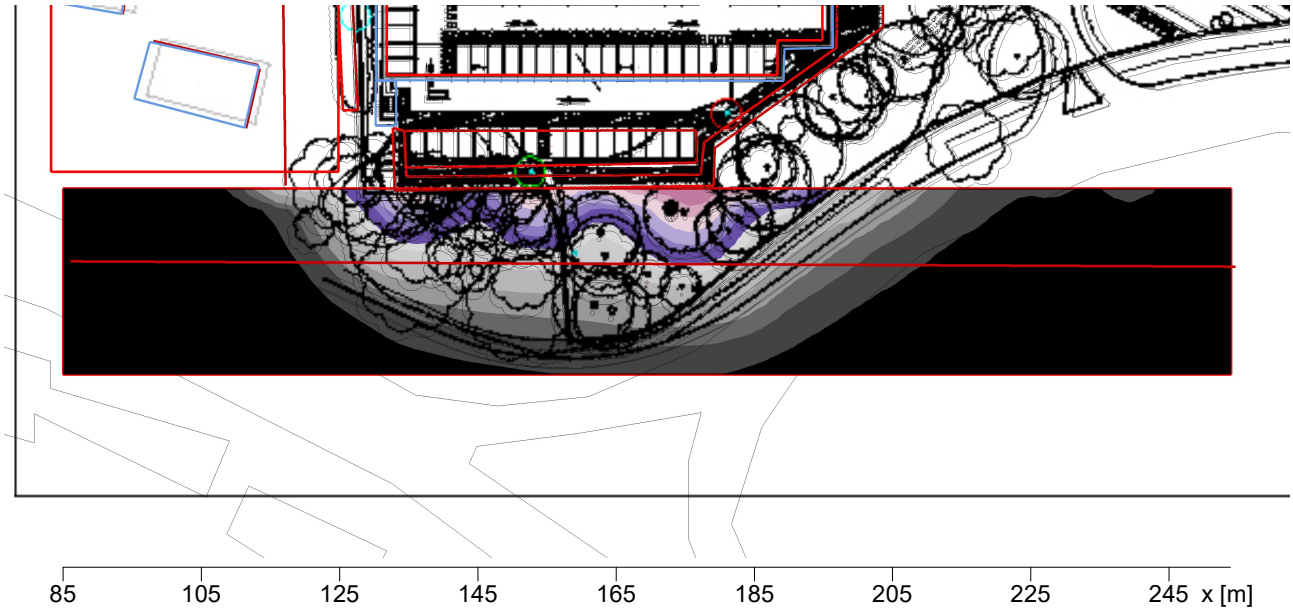
WIREFIELD Ltd

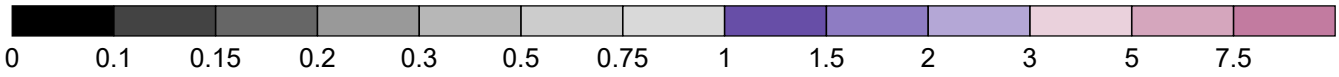
2 35
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

3 40
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.5 Result overview, Spill lighting south





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	0.37 lx
Minimum illuminance	Emin	0 lx
Maximum illuminance	Emax	9.95 lx
Uniformity Uo	Emin/Em	1:271 (0)
Diversity Ud	Emin/Emax	1:7280 (0)

Type No.\Make

	Wirefield Ltd	
1 43	Order No.	: STLED35-3K L04.LDT
	Luminaire name	: STLED35/3K/L04
	Equipment	: 1 x LED 35 W / 3750 lm
4 1	Order No.	: STLED35-3K L01.LDT
	Luminaire name	: STLED35/3K/L01
	Equipment	: 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

1.1.5 Result overview, Spill lighting south

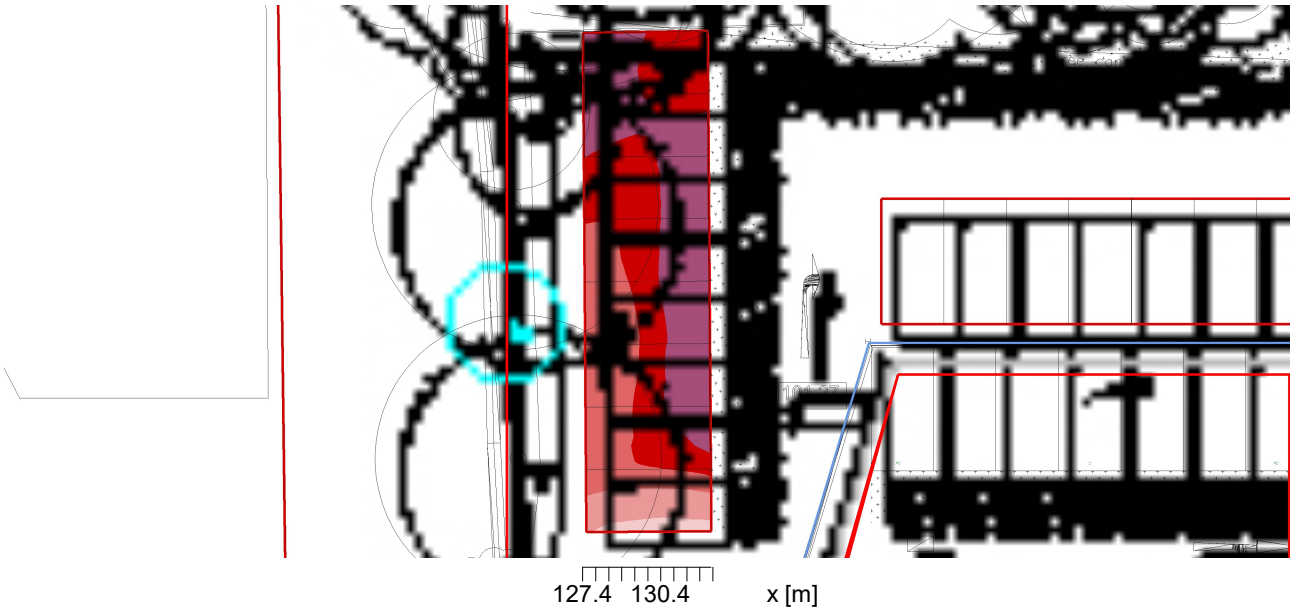
WIREFIELD Ltd

2 35
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

3 40
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.6 Result overview, Ext car park 1





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	18.3 lx
Minimum illuminance	Emin	10.5 lx
Maximum illuminance	Emax	51.1 lx
Uniformity Uo	Emin/Em	1:1.74 (0.58)
Diversity Ud	Emin/Emax	1:4.85 (0.21)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

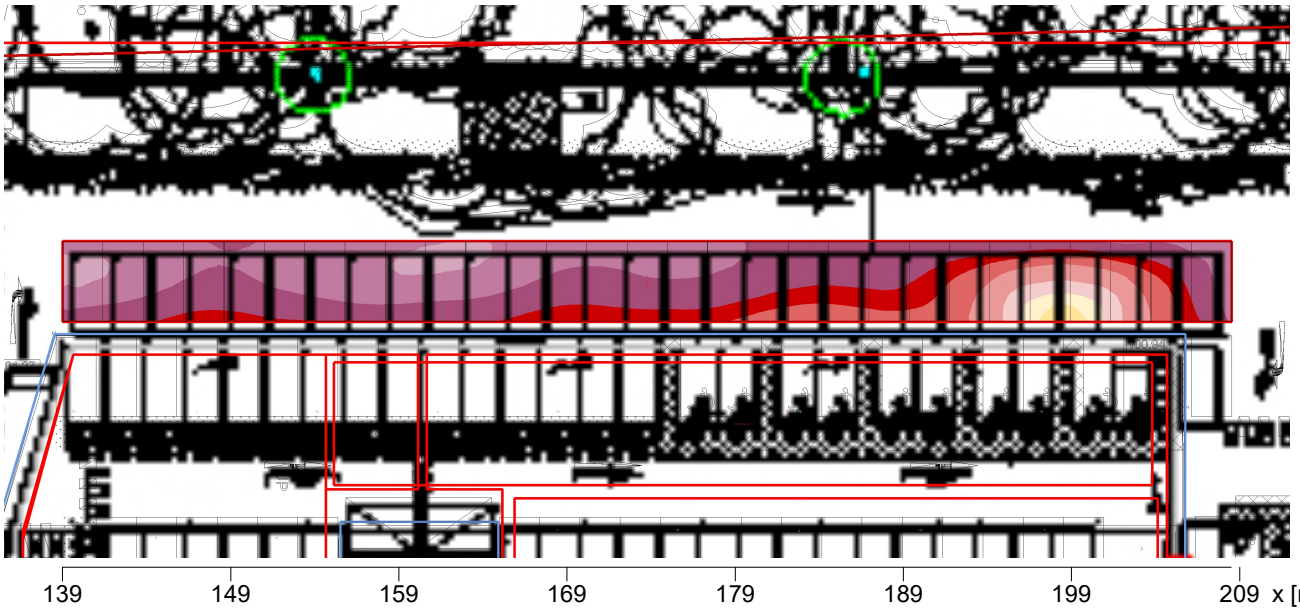
1.1.6 Result overview, Ext car park 1

WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.7 Result overview, Ext car park 2





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	15.7 lx
Minimum illuminance	Emin	6.67 lx
Maximum illuminance	Emax	107 lx
Uniformity Uo	Emin/Em	1:2.35 (0.42)
Diversity Ud	Emin/Emax	1:16 (0.06)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

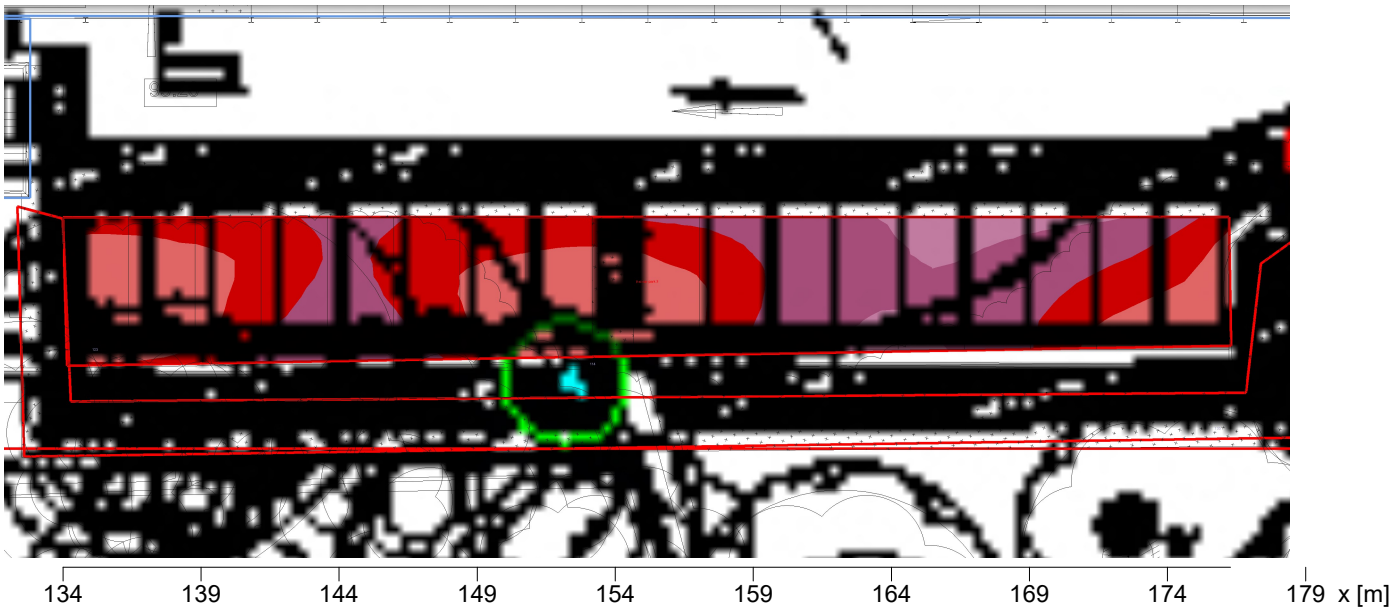
1.1.7 Result overview, Ext car park 2

WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.8 Result overview, Ext car park 3



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	16.5 lx
Minimum illuminance	Emin	8.88 lx
Maximum illuminance	Emax	29.3 lx
Uniformity Uo	Emin/Em	1:1.86 (0.54)
Diversity Ud	Emin/Emax	1:3.3 (0.3)

Type No.\Make

	Wirefield Ltd	
1 43	Order No.	: STLED35-3K L04.LDT
	Luminaire name	: STLED35/3K/L04
	Equipment	: 1 x LED 35 W / 3750 lm
4 1	Order No.	: STLED35-3K L01.LDT
	Luminaire name	: STLED35/3K/L01
	Equipment	: 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

1.1.8 Result overview, Ext car park 3

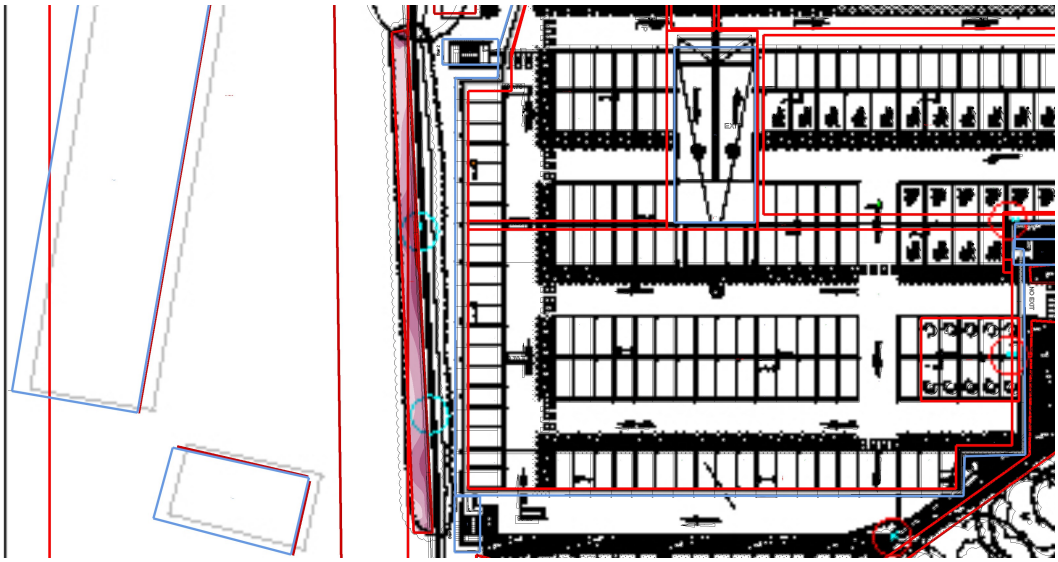
WIREFIELD Ltd

2 35
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

3 40
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.9 Result overview, Footpath 1





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	7.5 lx
Minimum illuminance	Emin	2.75 lx
Maximum illuminance	Emax	20.4 lx
Uniformity Uo	Emin/Em	1:2.73 (0.37)
Diversity Ud	Emin/Emax	1:7.45 (0.13)

Type No.\Make

	Wirefield Ltd	
1 43	Order No.	: STLED35-3K L04.LDT
	Luminaire name	: STLED35/3K/L04
	Equipment	: 1 x LED 35 W / 3750 lm
4 1	Order No.	: STLED35-3K L01.LDT
	Luminaire name	: STLED35/3K/L01
	Equipment	: 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

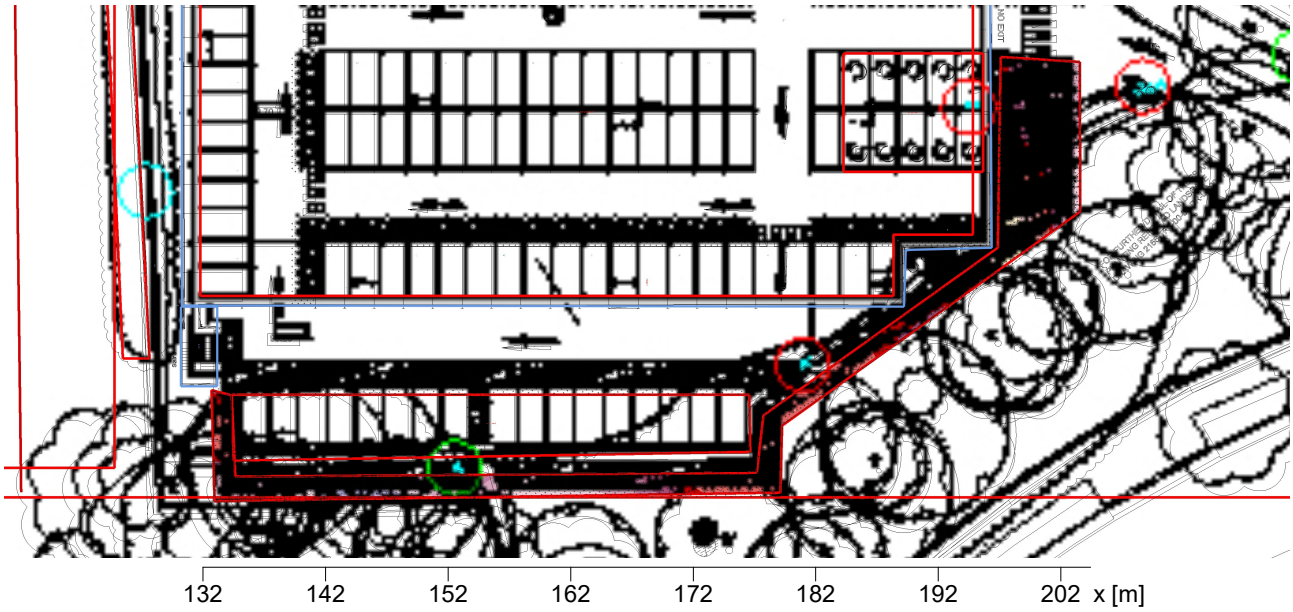
1.1.9 Result overview, Footpath 1

WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.10 Result overview, Footpath 2





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	17.8 lx
Minimum illuminance	Emin	2.11 lx
Maximum illuminance	Emax	115 lx
Uniformity Uo	Emin/Em	1:8.45 (0.12)
Diversity Ud	Emin/Emax	1:54.7 (0.02)

Type No.\Make

	Wirefield Ltd	
1 43	Order No.	: STLED35-3K L04.LDT
	Luminaire name	: STLED35/3K/L04
	Equipment	: 1 x LED 35 W / 3750 lm
4 1	Order No.	: STLED35-3K L01.LDT
	Luminaire name	: STLED35/3K/L01
	Equipment	: 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

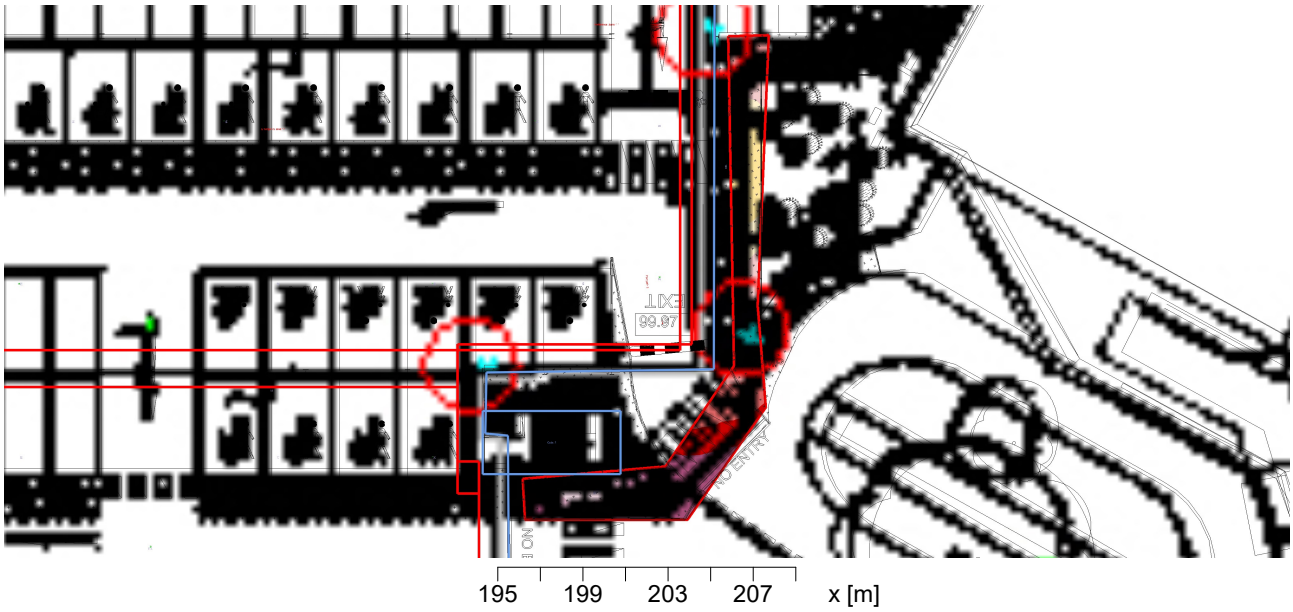
1.1.10 Result overview, Footpath 2

WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.11 Result overview, Footpath 3





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	40.2 lx
Minimum illuminance	Emin	2.33 lx
Maximum illuminance	Emax	136 lx
Uniformity Uo	Emin/Em	1:17.2 (0.06)
Diversity Ud	Emin/Emax	1:58.2 (0.02)

Type No.\Make

	Wirefield Ltd	
1 43	Order No.	: STLED35-3K L04.LDT
	Luminaire name	: STLED35/3K/L04
	Equipment	: 1 x LED 35 W / 3750 lm
4 1	Order No.	: STLED35-3K L01.LDT
	Luminaire name	: STLED35/3K/L01
	Equipment	: 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

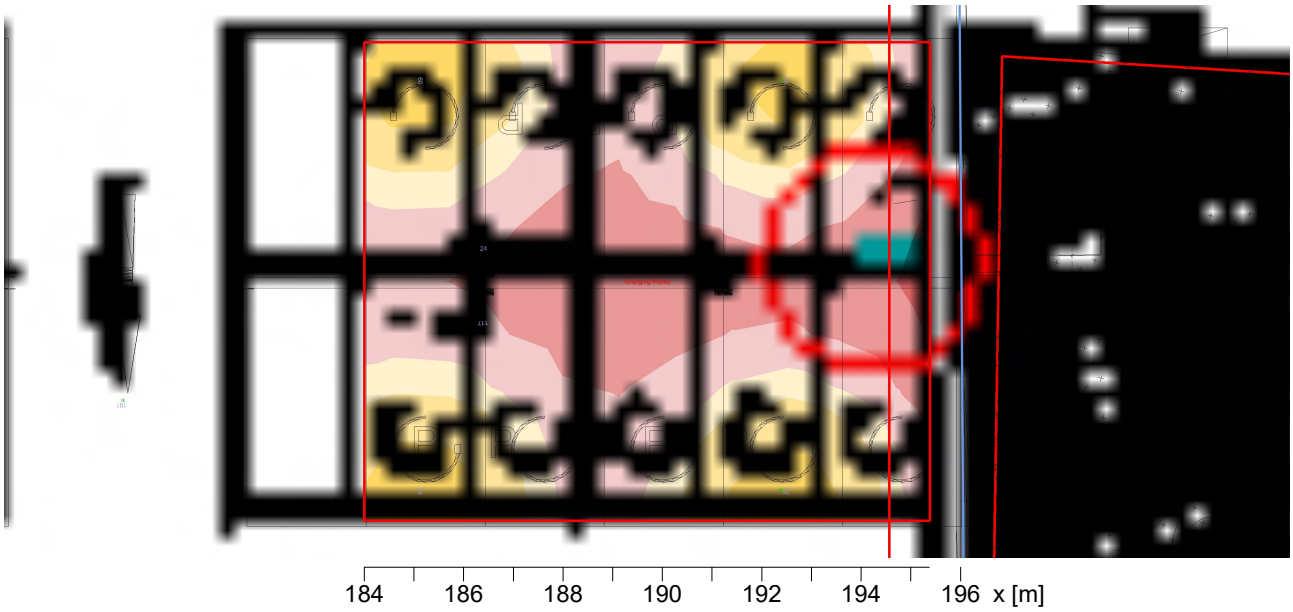
1.1.11 Result overview, Footpath 3

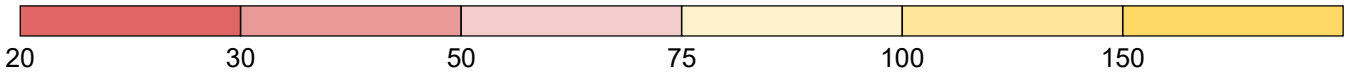
WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.12 Result overview, Charging Points





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.17 m
Maintenance factor	0.80
Total luminous flux of all lamps	511050 lm
Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	78.3 lx
Minimum illuminance	Emin	27.8 lx
Maximum illuminance	Emax	183 lx
Uniformity Uo	Emin/Em	1:2.82 (0.35)
Diversity Ud	Emin/Emax	1:6.6 (0.15)

Type No.\Make

	Wirefield Ltd	
1 43	Order No.	: STLED35-3K L04.LDT
	Luminaire name	: STLED35/3K/L04
	Equipment	: 1 x LED 35 W / 3750 lm
4 1	Order No.	: STLED35-3K L01.LDT
	Luminaire name	: STLED35/3K/L01
	Equipment	: 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

1.1.12 Result overview, Charging Points

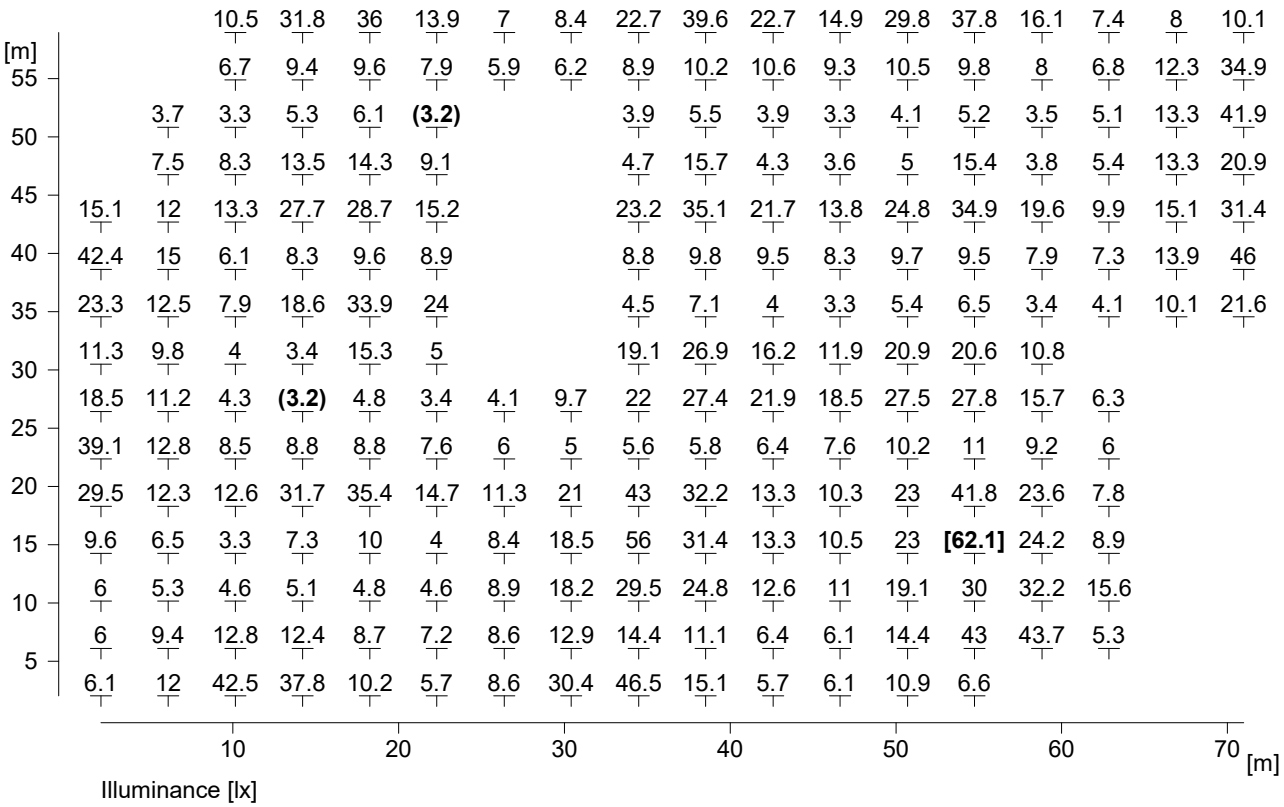
WIREFIELD Ltd

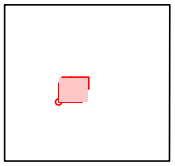
2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1 Exterior 1

1.2 Calculation results, Exterior 1

1.2.1 Table, Upper deck (E)

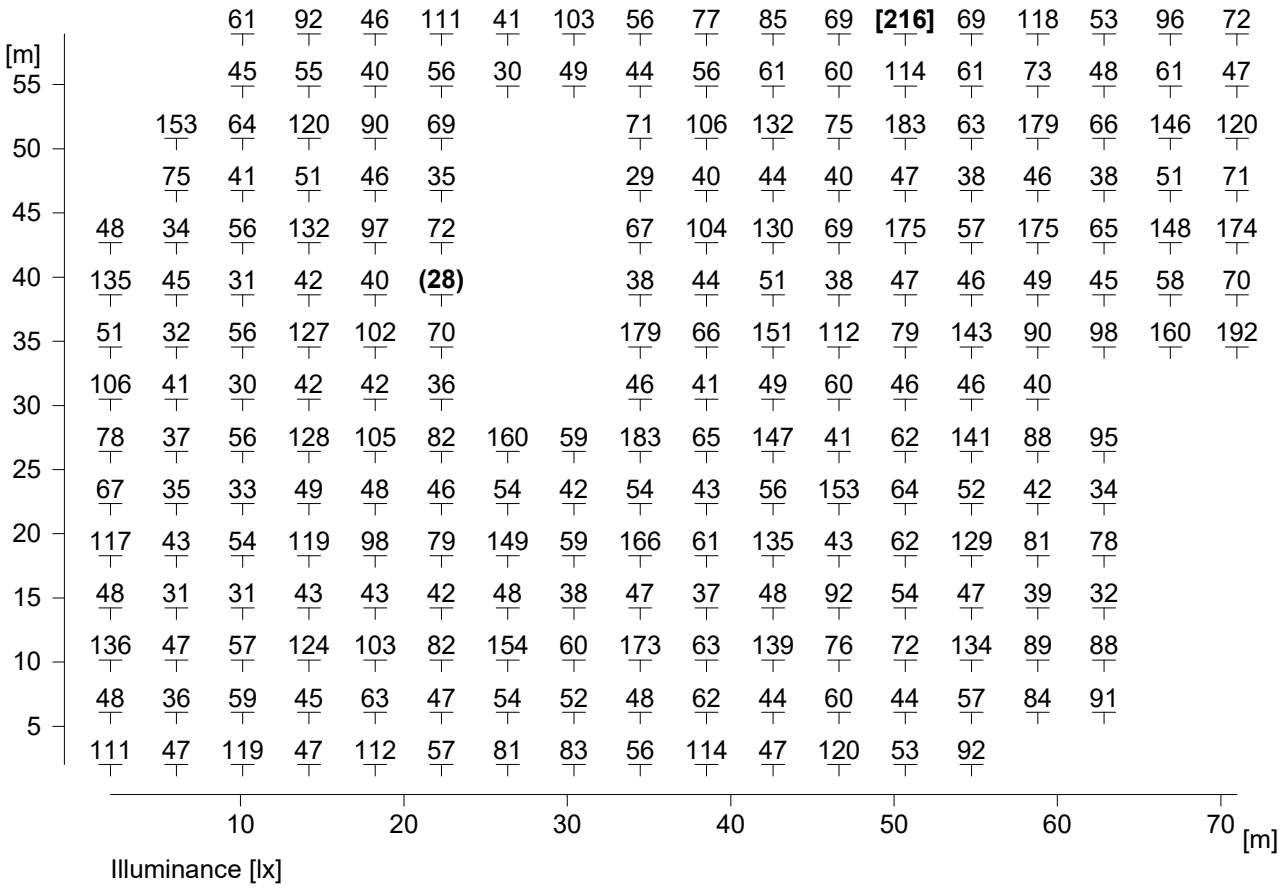


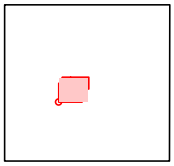


Height reference plane		: 3.10 m
Average illuminance	Em	: 14.6 lx
Minimum illuminance	Emin	: 3.2 lx
Maximum illuminance	Emax	: 62.1 lx
Uniformity Uo	Emin/Em	: 1 : 4.54 (0.22)
Diversity Ud	Emin/Emax	: 1 : 19.22 (0.05)

1.2 Calculation results, Exterior 1

1.2.2 Table, Lower deck (E)

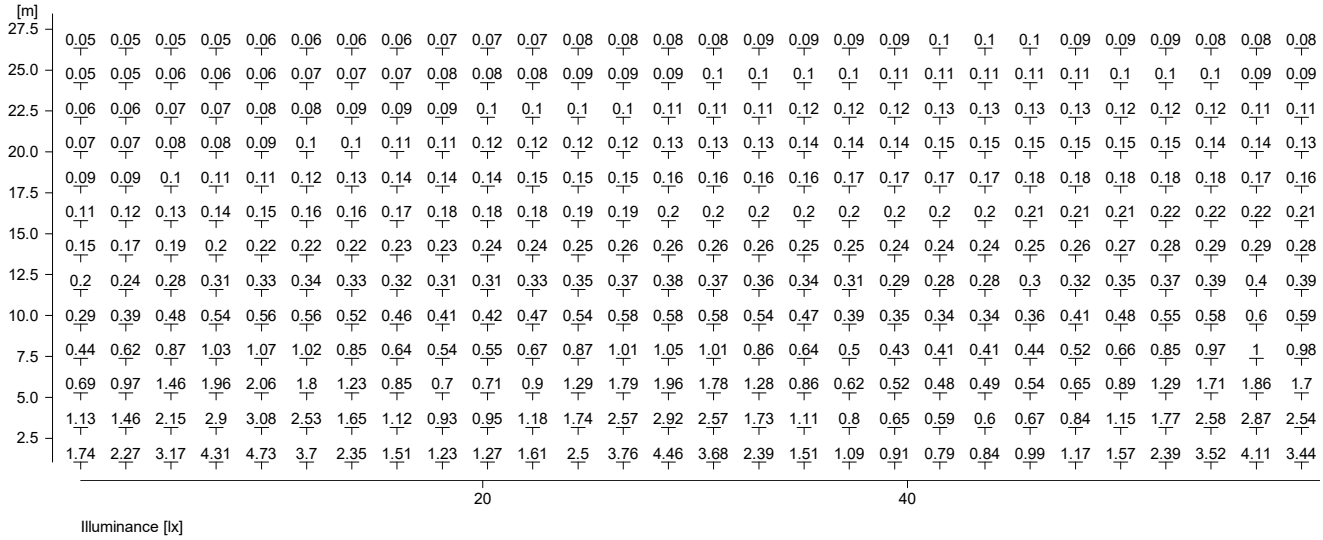


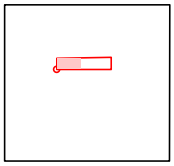


Height reference plane		: 0.20 m
Average illuminance	Em	: 75 lx
Minimum illuminance	Emin	: 28 lx
Maximum illuminance	Emax	: 216 lx
Uniformity Uo	Emin/Em	: 1 : 2.68 (0.37)
Diversity Ud	Emin/Emax	: 1 : 7.68 (0.13)

1.2 Calculation results, Exterior 1

1.2.3 Table, Spill lighting north (E)





Part1

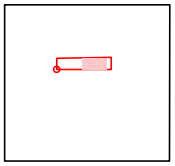
Height reference plane		: 0.00 m
Average illuminance	Em	: 0.44 lx
Minimum illuminance	Emin	: 0.02 lx
Maximum illuminance	Emax	: 5.63 lx
Uniformity Uo	Emin/Em	: 1 : 27.07 (0.04)
Diversity Ud	Emin/Emax	: 1 : 347.30 (0.00)

1.2 Calculation results, Exterior 1

1.2.3 Table, Spill lighting north (E)

	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	
0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	(0.02)	(0.02)	
0.1	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	
0.12	0.11	0.11	0.11	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.07	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	
0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.1	0.1	0.09	0.08	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	
0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.13	0.13	0.12	0.11	0.1	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	
0.27	0.25	0.22	0.2	0.18	0.18	0.19	0.2	0.22	0.22	0.22	0.22	0.2	0.19	0.17	0.15	0.13	0.11	0.09	0.08	0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.04	
0.37	0.34	0.3	0.26	0.23	0.23	0.24	0.28	0.32	0.35	0.37	0.36	0.34	0.31	0.27	0.22	0.19	0.14	0.11	0.1	0.09	0.08	0.07	0.07	0.06	0.06	0.05	0.05	0.05	
0.56	0.48	0.4	0.34	0.31	0.29	0.31	0.39	0.5	0.59	0.64	0.68	0.64	0.56	0.46	0.35	0.28	0.19	0.15	0.13	0.11	0.1	0.09	0.09	0.08	0.08	0.07	0.07	0.06	
0.87	0.69	0.54	0.46	0.41	0.39	0.41	0.52	0.77	1.05	1.24	1.32	1.21	0.99	0.75	0.55	0.42	0.24	0.19	0.17	0.15	0.13	0.12	0.11	0.11	0.1	0.09	0.09	0.09	
1.3	0.94	0.72	0.6	0.54	0.51	0.54	0.69	1.07	1.73	2.28	2.48	2.18	1.66	1.23	0.89	0.61	0.29	0.23	0.21	0.2	0.18	0.17	0.16	0.16	0.15	0.14	0.13	0.13	
1.77	1.23	0.96	0.81	0.71	0.68	0.73	0.91	1.41	2.38	3.4	3.79	3.29	2.53	1.88	1.36	0.82	0.36	0.29	0.27	0.28	0.28	0.27	0.26	0.26	0.24	0.22	0.21	0.18	
2.42	1.71	1.4	1.2	1.02	0.99	1.07	1.27	1.92	3.23	4.96	**[5.63]**	4.83	3.82	2.8	1.97	1.03	0.6	0.57	0.52	0.46	0.46	0.45	0.45	0.46	0.42	0.38	0.32	0.25	

60 80 100 120 [m



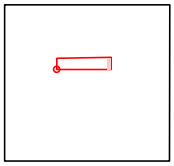
Part2

1.2 Calculation results, Exterior 1

1.2.3 Table, Spill lighting north (E)

(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
0.03	0.03	(0.02)	(0.02)	(0.02)
0.03	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.03	0.03
0.04	0.04	0.04	0.04	0.03
0.05	0.05	0.05	0.04	0.04
0.06	0.06	0.05	0.05	0.04
0.08	0.07	0.06	0.05	0.04
0.11	0.09	0.07	0.06	0.05
0.14	0.11	0.1	0.09	0.09
0.2	0.2	0.21	0.2	0.18

]



Part3

1.2 Calculation results, Exterior 1

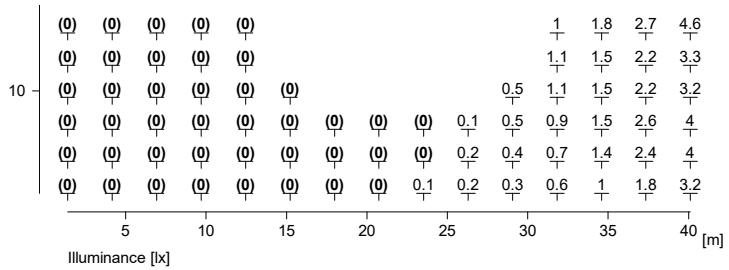
1.2.4 Table, Spill lighting west (E)

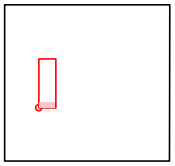


Height reference plane		: 0.00 m
Average illuminance	Em	: 0.7 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 11.6 lx
Uniformity Uo	Emin/Em	: ---
Diversity Ud	Emin/Emax	: ---

1.2 Calculation results, Exterior 1

1.2.4 Table, Spill lighting west (E)





Part2

1.2 Calculation results, Exterior 1

1.2.5 Table, Spill lighting south (E)

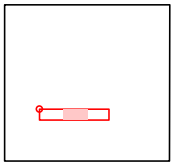
[m]																													
-2	(0)	(0)	(0)	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.08	0.1	0.14	0.18	0.25	0.3	0.3	0.32	0.56	0.89	1.26	1.92	2.83	3.42	3.91	3.37	2.4	1.89
	(0)	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.04	0.06	0.06	0.07	0.08	0.1	0.12	0.14	0.18	0.24	0.41	0.6	0.85	1.25	1.85	2.17	2.39	2.17	1.66	1.35
-4	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.07	0.08	0.1	0.12	0.15	0.2	0.3	0.42	0.59	0.87	1.3	1.69	1.81	1.71	1.35	1.04
-6	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.06	0.07	0.09	0.11	0.13	0.17	0.23	0.31	0.43	0.61	0.86	1.05	1.12	1.08	0.95	0.78
-8	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.08	0.09	0.11	0.14	0.18	0.24	0.32	0.43	0.54	0.62	0.65	0.66	0.64	0.58
-10	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.06	0.07	0.08	0.1	0.12	0.15	0.19	0.24	0.3	0.35	0.39	0.41	0.42	0.43	0.42
-12	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.09	0.1	0.12	0.15	0.18	0.21	0.24	0.27	0.28	0.29	0.3	0.31
-14	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.08	0.09	0.1	0.12	0.14	0.16	0.18	0.2	0.21	0.22	0.22	0.23
-16	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.09	0.1	0.11	0.12	0.14	0.15	0.16	0.17	0.17	0.18
-18	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.1	0.11	0.12	0.13	0.14	0.14	0.15
-20	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.1	0.11	0.11	0.12	0.12
-22	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.07	0.08	0.09	0.09	0.09	0.1	0.1
-24	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.09

1.2 Calculation results, Exterior 1

1.2.5 Table, Spill lighting south (E)

1.55	1.56	1.97	2.78	4.04	4.72	4.09	3.12	2.58	2.48	2.82	3.54	4.25	4.74	5.64	8.02	**[9.95]**	9.28	6.37	3.99	3.67	3.38	2.8	2.14	1.64	1.23	0.88	0.62	0.46	0.34	0.28
1.16	1.18	1.44	1.96	2.61	2.9	2.69	2.16	1.7	1.39	1.29	1.44	1.83	2.55	3.7	5.04	6.08	5.49	3.6	2.24	1.52	1.16	0.95	0.81	0.79	0.74	0.6	0.46	0.36	0.28	0.23
0.89	0.91	1.1	1.48	1.9	2.02	1.89	1.46	1.09	0.9	0.9	1.03	1.35	1.87	2.5	3.16	3.53	3.19	2.23	1.55	1.1	0.82	0.62	0.5	0.42	0.36	0.32	0.28	0.25	0.21	0.19
0.69	0.71	0.84	1.07	1.26	1.34	1.26	1.06	0.83	0.71	0.69	0.8	1.02	1.33	1.72	2.15	2.3	2.09	1.62	1.15	0.83	0.62	0.48	0.39	0.33	0.28	0.25	0.22	0.19	0.17	0.15
0.54	0.55	0.63	0.72	0.78	0.81	0.79	0.73	0.63	0.56	0.54	0.6	0.73	0.95	1.19	1.4	1.43	1.34	1.14	0.86	0.64	0.48	0.38	0.31	0.27	0.23	0.2	0.18	0.16	0.15	0.13
0.41	0.42	0.46	0.49	0.51	0.51	0.51	0.5	0.48	0.44	0.43	0.47	0.55	0.67	0.79	0.84	0.83	0.8	0.73	0.62	0.48	0.37	0.3	0.25	0.22	0.19	0.17	0.16	0.14	0.13	0.12
0.31	0.32	0.33	0.34	0.35	0.35	0.36	0.36	0.35	0.35	0.35	0.36	0.42	0.47	0.51	0.51	0.5	0.49	0.47	0.43	0.36	0.3	0.24	0.21	0.18	0.16	0.15	0.13	0.12	0.11	0.1
0.24	0.25	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.29	0.3	0.33	0.35	0.35	0.35	0.34	0.34	0.33	0.31	0.28	0.23	0.2	0.17	0.15	0.14	0.13	0.12	0.11	0.1	0.09
0.19	0.2	0.2	0.2	0.21	0.21	0.21	0.21	0.22	0.22	0.23	0.24	0.25	0.26	0.26	0.25	0.25	0.25	0.24	0.23	0.21	0.19	0.16	0.15	0.13	0.12	0.11	0.1	0.09	0.09	0.08
0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.2	0.2	0.2	0.2	0.2	0.19	0.19	0.18	0.17	0.15	0.14	0.13	0.11	0.11	0.1	0.09	0.08	0.08	0.07
0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.14	0.14	0.13	0.12	0.11	0.1	0.09	0.09	0.08	0.07	0.07	0.07
0.1	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.11	0.11	0.1	0.09	0.09	0.08	0.08	0.07	0.07	0.06	0.06
0.09	0.09	0.09	0.1	0.1	0.1	0.1	0.1	0.1	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.09	0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.05

60 80 100 1



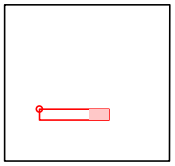
Part2

1.2 Calculation results, Exterior 1

1.2.5 Table, Spill lighting south (E)

0.24	0.21	0.19	0.16	0.15	0.13	0.12	0.11	0.1	0.1	0.1	0.1	0.1	0.09	0.08	0.08	0.1	0.11	0.1	0.09	0.07	0.06	0.05	0.05	0.04
0.2	0.18	0.16	0.14	0.13	0.12	0.11	0.1	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.06	0.05	0.05	0.04	0.04	0.04
0.17	0.15	0.14	0.13	0.11	0.1	0.1	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.03
0.14	0.13	0.12	0.11	0.1	0.09	0.09	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.03
0.12	0.11	0.1	0.1	0.09	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03
0.11	0.1	0.09	0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
0.1	0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02
0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
0.08	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02
0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

20 140 160 [m]



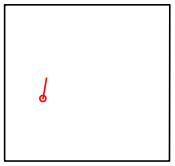
Part3

1.2 Calculation results, Exterior 1

1.2.6 Table, Builiding facade 1 (E)

[m]																												
8	0.83	0.84	0.87	0.89	0.9	0.92	0.94	0.96	0.97	0.99	1.01	1.02	1.03	1.05	1.06	1.07	1.08	1.09	1.1	1.12	1.13	1.14	1.15	1.16	1.16	1.17	1.17	1.18
7	0.81	0.83	0.85	0.87	0.88	0.9	0.92	0.93	0.95	0.96	0.98	0.99	1	1.02	1.03	1.05	1.06	1.07	1.08	1.1	1.1	1.11	1.13	1.14	1.15	1.15	1.16	1.17
6	0.79	0.81	0.83	0.85	0.86	0.88	0.9	0.91	0.93	0.94	0.96	0.97	0.98	1	1.01	1.02	1.03	1.04	1.05	1.06	1.08	1.08	1.09	1.1	1.11	1.11	1.12	1.12
5	0.75	0.77	0.79	0.81	0.82	0.84	0.86	0.87	0.89	0.9	0.91	0.93	0.94	0.95	0.96	0.98	0.99	1	1.01	1.02	1.04	1.05	1.05	1.06	1.07	1.07	1.08	1.09
4	0.73	0.74	0.76	0.78	0.79	0.81	0.82	0.83	0.85	0.86	0.87	0.88	0.9	0.91	0.92	0.93	0.94	0.95	0.96	0.97	0.98	0.99	0.99	1	1.01	1.02	1.02	1.02
3	(0.7)	0.72	0.74	0.75	0.76	0.78	0.79	0.8	0.82	0.83	0.84	0.85	0.87	0.88	0.9	0.9	0.91	0.92	0.93	0.94	0.95	0.97	0.98	0.99	0.99	1	1	1.01
2	0.78	0.8	0.82	0.84	0.86	0.87	0.89	0.91	0.92	0.93	0.95	0.96	0.98	1	1.01	1.03	1.05	1.06	1.08	1.09	1.11	1.12	1.14	1.15	1.15	1.16	1.15	1.16
1	1.24	1.27	1.29	1.31	1.34	1.36	1.38	1.4	1.42	1.44	1.46	1.48	1.5	1.52	1.54	1.57	1.59	1.61	1.64	1.65	1.67	1.69	1.7	1.72	1.72	1.71	1.71	1.72
	1.27	1.29	1.31	1.33	1.35	1.38	1.4	1.42	1.45	1.47	1.5	1.52	1.54	1.56	1.59	1.61	1.64	1.67	1.69	1.71	1.74	1.76	1.77	1.79	1.8	1.8	1.8	1.81
	1.27	1.3	1.33	1.35	1.38	1.4	1.43	1.46	1.49	1.51	1.54	1.56	1.59	1.62	1.66	1.68	1.72	1.75	1.78	1.8	1.83	1.85	1.86	1.88	1.89	1.88	1.88	1.86
					5					10					15					20					25			

Illuminance [lx]



Part1

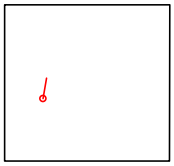
Average illuminance	Em	: 1.21 lx
Minimum illuminance	Emin	: 0.7 lx
Maximum illuminance	Emax	: 1.92 lx
Uniformity Uo	Emin/Em	: 1 : 1.73 (0.58)
Diversity Ud	Emin/Emax	: 1 : 2.74 (0.36)

1.2 Calculation results, Exterior 1

1.2.6 Table, Builiding facade 1 (E)

1.18	1.18	1.19	1.19	1.21	1.22	1.22	1.22	1.22	1.21	1.21	1.21	1.2	1.2	1.19	1.18	1.18	1.18	1.15	1.14	1.13	1.13	1.14	1.14	1.13	1.12
1.16	1.16	1.17	1.17	1.18	1.19	1.18	1.19	1.19	1.2	1.2	1.2	1.2	1.19	1.18	1.17	1.17	1.16	1.13	1.14	1.12	1.13	1.12	1.13	1.11	1.09
1.12	1.12	1.14	1.13	1.14	1.14	1.14	1.14	1.15	1.15	1.15	1.15	1.15	1.15	1.13	1.13	1.12	1.12	1.1	1.1	1.08	1.08	1.08	1.07	1.06	1.04
1.09	1.09	1.1	1.09	1.1	1.1	1.11	1.11	1.11	1.11	1.11	1.1	1.1	1.09	1.08	1.08	1.07	1.07	1.05	1.05	1.04	1.03	1.02	1.02	1.01	0.99
1.02	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.01	1	1	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.94
1	1.01	1.02	1.02	1.02	1.01	1.01	1.01	1.01	1	1	1	1	0.99	0.98	0.98	0.98	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93
1.16	1.16	1.16	1.16	1.18	1.17	1.18	1.17	1.17	1.16	1.16	1.15	1.15	1.13	1.12	1.11	1.11	1.09	1.08	1.07	1.05	1.04	1.04	1.04	1.02	1.01
1.72	1.73	1.73	1.73	1.74	1.72	1.72	1.72	1.7	1.7	1.69	1.65	1.66	1.63	1.63	1.63	1.64	1.63	1.6	1.58	1.59	1.57	1.55	1.54	1.52	1.5
1.81	1.81	1.81	1.81	1.8	1.79	1.78	1.78	1.78	1.79	1.78	1.74	1.75	1.72	1.67	1.68	1.69	1.67	1.66	1.63	1.63	1.61	1.6	1.58	1.57	1.56
1.86	1.88	1.91	**[1.92]**	**[1.92]**	1.91	1.9	1.89	1.87	1.87	1.86	1.82	1.82	1.79	1.73	1.73	1.73	1.71	1.69	1.7	1.71	1.69	1.69	1.67	1.65	1.64

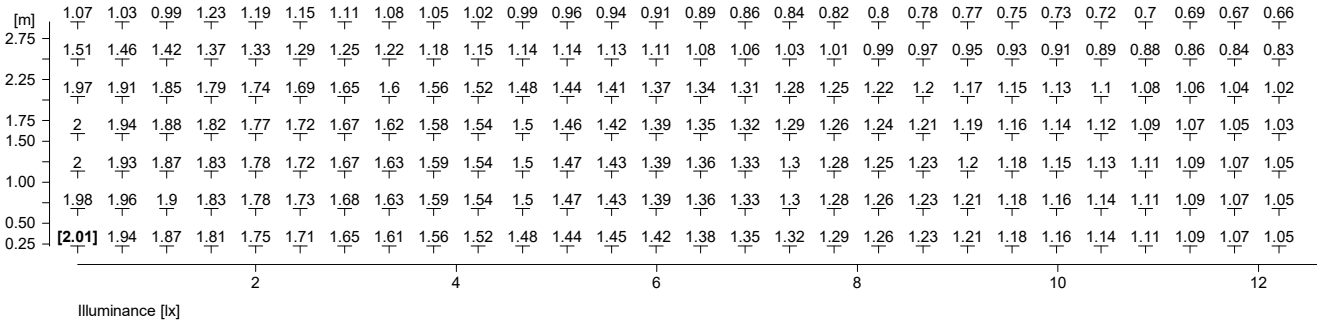
30 35 40 45 50 [m]

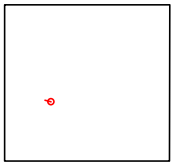


Part2

1.2 Calculation results, Exterior 1

1.2.7 Table, Builiding facade 2 (E)





Part1

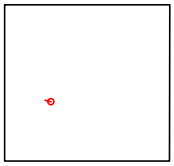
Average illuminance	Em	: 1.22 lx
Minimum illuminance	Emin	: 0.59 lx
Maximum illuminance	Emax	: 2.01 lx
Uniformity Uo	Emin/Em	: 1 : 2.07 (0.48)
Diversity Ud	Emin/Emax	: 1 : 3.40 (0.29)

1.2 Calculation results, Exterior 1

1.2.7 Table, Builiding facade 2 (E)

0.65	0.63	0.62	0.62	0.61	0.6	**(0.59)**
0.82	0.81	0.8	0.79	0.77	0.76	0.75
1	0.99	0.97	0.95	0.93	0.92	0.9
1.01	1	0.98	0.96	0.94	0.93	0.91
1.03	1.01	0.99	0.97	0.96	0.94	0.92
1.03	1.01	1	0.98	0.96	0.94	0.93
1.03	1.02	1	0.98	0.97	0.96	0.94

14 [m]



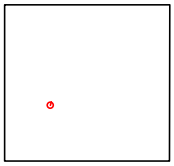
Part2

1.2 Calculation results, Exterior 1

1.2.8 Table, Builiding facade 2A (E)

[m]																				
2.75	0.93	0.97	1.01	**(0.88)**	0.9	0.95	0.99	1.02	1.06	1.11	1.15	1.2	1.25	1.28	1.33	1.37	1.41	1.46	1.5	1.54
	1.01	1.08	1.12	1.17	1.21	1.26	1.31	1.35	1.4	1.46	1.51	1.57	1.63	1.67	1.72	1.77	1.82	1.88	1.93	1.99
2.25	1.35	1.42	1.5	1.55	1.62	1.68	1.74	1.83	1.9	1.99	2.05	2.13	2.22	2.28	2.34	2.4	2.45	2.51	2.58	2.64
2.00	1.37	1.44	1.53	1.58	1.65	1.71	1.78	1.87	1.93	2.03	2.11	2.2	2.3	2.36	2.42	2.48	2.54	2.6	2.66	2.73
1.50	1.4	1.49	1.58	1.63	1.69	1.75	1.81	1.92	1.98	2.08	2.14	2.23	2.33	2.39	2.45	2.51	2.56	2.63	2.7	2.76
1.25	1.46	1.55	1.64	1.7	1.78	1.85	1.92	2.04	2.11	2.21	2.27	2.35	2.43	2.49	2.55	2.61	2.67	2.73	2.79	2.86
0.75	1.51	1.61	1.71	1.77	1.85	1.93	2.01	2.14	2.22	2.32	2.39	2.48	2.59	2.66	2.74	2.81	2.86	2.92	2.97	**[3.02]**
0.50																				
0.25																				
	1			2			3			4			5			6			7	8 [m]

Illuminance [lx]



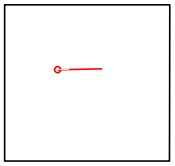
Average illuminance	Em	: 1.91 lx
Minimum illuminance	Emin	: 0.88 lx
Maximum illuminance	Emax	: 3.02 lx
Uniformity Uo	Emin/Em	: 1 : 2.17 (0.46)
Diversity Ud	Emin/Emax	: 1 : 3.44 (0.29)

1.2 Calculation results, Exterior 1

1.2.9 Table, North Boundary (E)

[m]																												
9	1.9	2	2	2.1	2.1	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3	3
8	1.9	2	2	2.1	2.2	2.2	2.3	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3	3	3	3	3.1
7	1.9	2	2.1	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3	3	3	3	3.1
6	1.9	2	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	3	3	3	3.1	3.1	3.1	3.1	3.1
5	2	2	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	3	3	3	3.1	3.1	3.1	3.2	3.2	3.2
4	2	2	2.2	2.5	3.6	7.1	19.1	**[29.8]**	21.5	8.1	4.1	3.1	2.8	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3	3	3.2	3.6	5	8.9	13.7	14
3	2.2	2.5	2.9	3.7	5.4	9.4	19	27.2	21	10.6	6.1	4.3	3.5	3.1	3	2.9	2.9	2.9	3	3.1	3.2	3.6	4.2	5.2	7.6	13.8	23.8	24.5
2	3.1	3.3	3.7	4.3	5.5	7.9	11.3	13.6	12.1	8.8	6.4	5	4.4	4	3.9	3.9	4	4	4	4	4.2	4.5	5.1	6.1	7.9	10.9	13.9	14.2
1	4.4	4.6	4.9	5.3	6.1	7.2	8.7	9.5	9.1	7.7	6.5	5.6	5.2	5	5	5.1	5.1	5.1	5.1	5.2	5.3	5.5	5.9	6.7	7.8	9.2	10.4	10.5
	6.2	6.4	6.6	6.6	6.6	6.9	7.2	7.5	7.5	6.8	6	5.6	5.2	5.1	5.1	5.1	5	5	5	5.2	5.3	5.5	5.8	6.3	6.9	7.7	8.2	8.2
									10													20						

Illuminance [lx]



Part1

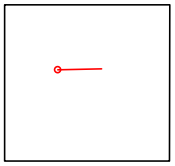
Average illuminance	Em	: 3.8 lx
Minimum illuminance	Emin	: 0.8 lx
Maximum illuminance	Emax	: 29.8 lx
Uniformity Uo	Emin/Em	: 1 : 4.74 (0.21)
Diversity Ud	Emin/Emax	: 1 : 37.37 (0.03)

1.2 Calculation results, Exterior 1

1.2.9 Table, North Boundary (E)

3	3	3	3	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
9.7	5.4	3.7	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.5	3.8	4.8	5.5	6	5.6	4.9	3.9
15.5	8.3	5.4	4.2	3.6	3.2	3.1	3	3	2.9	2.9	2.9	3	3	3	3	3.1	3.1	3.2	3.4	3.6	4	4.6	5.8	8.4	11.8	12.8	12.1	9.3	6.2
11.5	8.3	6.3	5.2	4.6	4.2	4	3.9	3.8	3.7	3.7	3.7	3.7	3.7	3.8	3.9	4	4.1	4.2	4.4	4.7	5.2	5.9	7.1	9.5	12.8	14.3	13.5	10.5	7.7
9.4	8	6.8	6	5.5	5.1	5	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5	5	5.1	5.3	5.5	5.8	6.2	6.8	7.7	9	10.3	10.9	10.6	9.4	8.1
7.7	6.8	6.2	5.6	5.2	5	4.9	4.8	4.8	4.8	4.8	4.9	5	5	5	5	5.1	5.2	5.3	5.5	5.8	6.1	6.6	7.2	7.8	8.5	8.8	8.7	8.1	7.4

30 40 50



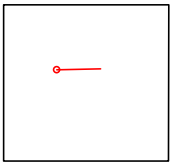
Part2

1.2 Calculation results, Exterior 1

1.2.9 Table, North Boundary (E)

3.3	3.3	3.2	3.2	3.2	3.1	3.1	3	3	2.9	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2	1.9	1.9	1.8
3.3	3.3	3.2	3.2	3.1	3.1	3	3	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2	1.9	1.9	1.8
3.3	3.2	3.2	3.2	3.1	3.1	3	3	2.9	2.9	2.8	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2	2	1.9	1.9
3.3	3.3	3.2	3.2	3.1	3.1	3.1	3	2.9	2.9	2.8	2.8	2.7	2.6	2.6	2.6	2.5	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2	2	1.9
3.3	3.2	3.2	3.2	3.1	3.1	3	3	2.9	2.9	2.8	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2	2	1.9
3.4	3.2	3.2	3.1	3.1	3	3	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.4	2.4	2.5	2.9	3.8	4.2	4.4	3.9	3.3	2.5	2.1	1.9
4.8	4	3.6	3.4	3.2	3.1	3	2.9	2.8	2.7	2.6	2.6	2.6	2.5	2.5	2.5	2.6	2.8	3.2	3.8	5.2	7.9	10.3	10.6	9.8	7.1	4.6	3.3	2.6
6.1	5.3	4.8	4.5	4.3	4.1	3.9	3.7	3.5	3.4	3.3	3.2	3.2	3.1	3.1	3.1	3.3	3.5	4	4.7	6.2	8.9	11.9	12.8	11.6	8.5	5.9	4.4	3.6
7	6.4	6	5.8	5.6	5.4	5.3	5	4.8	4.5	4.4	4.2	4.1	4	3.9	3.9	4	4.2	4.6	5.2	6.4	8	9.5	10.2	10	9.1	7.9	6.8	6
6.8	6.4	6.1	5.9	5.8	5.7	5.7	5.4	5.2	4.9	4.7	4.5	4.3	4.1	4	3.9	3.9	4	4.4	5	5.9	7	8.3	9.1	9.6	9.5	9.2	8.7	8.1

60 70 80



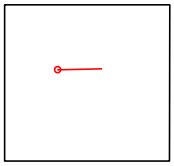
Part3

1.2 Calculation results, Exterior 1

1.2.9 Table, North Boundary (E)

1.7	1.7	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1	1	1	0.9	0.9	0.9	0.9
1.8	1.7	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1	1	1	0.9	0.9	0.9	**(0.8)**
1.8	1.7	1.6	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.1	1	1	1	0.9	0.9	0.9	0.9	**(0.8)**
1.8	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.1	1	1	1	0.9	0.9	0.9	0.9	**(0.8)**
1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1	1	1	0.9	0.9	0.9	0.9	**(0.8)**	**(0.8)**
1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1	1	0.9	0.9	0.9	0.9	**(0.8)**	**(0.8)**	**(0.8)**
2.2	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1	1	1	1	0.9	0.9	0.9	**(0.8)**
2.9	2.5	2.3	2.1	2	1.9	1.7	1.6	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1
5.4	5	4.5	3.9	3.5	3	2.3	1.9	1.8	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3
7.7	7.1	6.2	5.5	4.9	4	2.8	2.1	1.9	1.8	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4

90 100 [m]



Part4

1.2 Calculation results, Exterior 1

1.2.10 Table, Rail line (E)

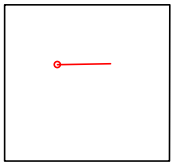
[m]																													
9	1.18	1.22	1.26	1.3	1.34	1.38	1.4	1.44	1.46	1.48	1.51	1.53	1.54	1.57	1.58	1.59	1.61	1.63	1.65	1.67	1.68	1.7	1.72	1.74	1.75	1.76	1.78	1.8
8	1.16	1.2	1.24	1.28	1.33	1.37	1.39	1.43	1.46	1.48	1.5	1.53	1.55	1.57	1.59	1.6	1.61	1.63	1.65	1.67	1.69	1.71	1.72	1.74	1.76	1.77	1.78	1.79
7	1.12	1.16	1.19	1.23	1.27	1.31	1.34	1.38	1.4	1.43	1.45	1.47	1.49	1.52	1.54	1.55	1.56	1.58	1.6	1.61	1.63	1.65	1.66	1.68	1.7	1.71	1.72	1.73
6	1.07	1.11	1.14	1.18	1.22	1.26	1.28	1.32	1.34	1.37	1.39	1.41	1.43	1.44	1.47	1.49	1.5	1.51	1.53	1.55	1.56	1.58	1.6	1.62	1.63	1.64	1.65	1.66
5	1.01	1.06	1.09	1.12	1.16	1.19	1.22	1.24	1.27	1.29	1.31	1.33	1.34	1.35	1.38	1.39	1.41	1.42	1.44	1.46	1.47	1.49	1.51	1.52	1.53	1.55	1.56	1.57
4	0.97	1	1.04	1.08	1.11	1.14	1.17	1.2	1.22	1.24	1.26	1.28	1.29	1.3	1.32	1.33	1.35	1.36	1.38	1.39	1.4	1.42	1.44	1.44	1.46	1.48	1.49	1.5
3	0.89	0.92	0.94	0.99	1.01	1.04	1.07	1.09	1.11	1.13	1.15	1.17	1.18	1.2	1.21	1.23	1.24	1.25	1.27	1.28	1.3	1.31	1.33	1.34	1.36	1.37	1.38	1.39
2	1.23	1.27	1.31	1.36	1.4	1.46	1.5	1.54	1.6	1.64	1.66	1.66	1.69	1.71	1.74	1.77	1.8	1.83	1.85	1.88	1.91	1.94	1.98	2	2.03	2.07	2.09	2.11
1	1.48	1.54	1.6	1.65	1.69	1.74	1.79	1.85	1.92	1.98	2	2.02	2.04	2.09	2.13	2.15	2.18	2.21	2.24	2.28	2.31	2.34	2.36	2.38	2.42	2.47	2.49	2.52
	1.52	1.6	1.66	1.71	1.76	1.82	1.88	1.94	2.02	2.08	2.1	2.12	2.16	2.2	2.23	2.26	2.29	2.32	2.35	2.38	2.41	2.45	2.48	2.51	2.54	2.59	2.63	2.65

1.2 Calculation results, Exterior 1

1.2.10 Table, Rail line (E)

1.81	1.82	1.82	1.83	1.84	1.85	1.86	1.86	1.87	1.88	1.88	1.88	1.89	1.89	1.9	1.9	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.91	1.91	1.91	1.9	1.89	1.88	1.87
1.81	1.82	1.83	1.83	1.84	1.84	1.85	1.86	1.86	1.87	1.87	1.88	1.89	1.89	1.9	1.9	1.9	1.91	1.91	1.91	1.91	1.91	1.92	1.91	1.91	1.9	1.9	1.89	1.88	1.86
1.75	1.75	1.76	1.77	1.77	1.78	1.79	1.79	1.79	1.8	1.8	1.8	1.8	1.81	1.81	1.81	1.82	1.82	1.83	1.83	1.83	1.83	1.83	1.83	1.82	1.82	1.81	1.8	1.79	1.77
1.67	1.68	1.69	1.7	1.71	1.71	1.72	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.74	1.75	1.75	1.75	1.76	1.76	1.77	1.77	1.77	1.77	1.77	1.76	1.75	1.75	1.74	1.72
1.58	1.59	1.6	1.6	1.61	1.61	1.62	1.62	1.63	1.63	1.63	1.63	1.63	1.64	1.64	1.65	1.65	1.65	1.66	1.66	1.67	1.67	1.67	1.67	1.66	1.66	1.66	1.65	1.65	1.64
1.51	1.51	1.52	1.52	1.53	1.53	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.55	1.55	1.55	1.56	1.57	1.57	1.58	1.58	1.58	1.58	1.58	1.57	1.56	1.55	1.55	1.54
1.39	1.39	1.4	1.4	1.41	1.41	1.41	1.41	1.41	1.41	1.4	1.4	1.4	1.4	1.41	1.41	1.41	1.42	1.43	1.43	1.44	1.44	1.44	1.45	1.44	1.44	1.43	1.42	1.4	1.39
2.13	2.14	2.15	2.16	2.17	2.18	2.19	2.19	2.19	2.18	2.17	2.17	2.17	2.18	2.19	2.2	2.2	2.22	2.22	2.23	2.24	2.24	2.24	2.24	2.24	2.23	2.21	2.17	2.14	2.11
2.54	2.54	2.55	2.56	2.56	2.56	2.56	2.58	2.58	2.57	2.57	2.56	2.55	2.54	2.55	2.56	2.58	2.61	2.64	2.65	2.66	2.66	2.67	2.66	2.66	2.65	2.63	2.6	2.57	2.53
2.66	2.67	2.67	2.69	2.69	2.69	2.69	2.7	2.69	2.68	2.68	2.67	2.66	2.66	2.66	2.67	2.69	2.71	2.74	2.76	2.78	2.8	**[2.81]**	**[2.81]**	2.8	2.8	2.78	2.78	2.74	2.7

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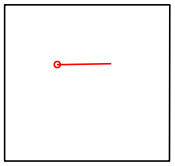
Part2

1.2 Calculation results, Exterior 1

1.2.10 Table, Rail line (E)

1.85	1.83	1.81	1.79	1.77	1.75	1.72	1.7	1.67	1.64	1.61	1.59	1.57	1.54	1.51	1.48	1.45	1.42	1.4	1.37	1.34	1.31	1.3	1.27	1.25	1.23	1.19	1.16	1.12
1.84	1.83	1.8	1.78	1.76	1.73	1.71	1.68	1.65	1.62	1.6	1.57	1.55	1.53	1.5	1.47	1.45	1.42	1.39	1.36	1.33	1.3	1.29	1.25	1.23	1.21	1.17	1.14	1.12
1.76	1.74	1.72	1.69	1.67	1.65	1.62	1.6	1.57	1.55	1.52	1.5	1.47	1.44	1.43	1.4	1.37	1.35	1.32	1.29	1.27	1.25	1.22	1.2	1.18	1.14	1.12	1.09	1.07
1.71	1.69	1.67	1.65	1.62	1.6	1.57	1.55	1.52	1.5	1.47	1.45	1.42	1.4	1.37	1.35	1.32	1.3	1.27	1.25	1.22	1.2	1.18	1.15	1.13	1.1	1.08	1.04	1.01
1.62	1.6	1.58	1.56	1.53	1.51	1.48	1.46	1.44	1.41	1.39	1.37	1.34	1.32	1.3	1.27	1.25	1.23	1.21	1.18	1.16	1.14	1.11	1.09	1.06	1.04	1.01	0.99	0.96
1.53	1.51	1.48	1.46	1.43	1.41	1.39	1.36	1.34	1.32	1.3	1.28	1.26	1.24	1.22	1.2	1.18	1.16	1.14	1.11	1.09	1.07	1.05	1.03	1	0.98	0.95	0.93	0.9
1.37	1.35	1.33	1.31	1.29	1.26	1.24	1.22	1.19	1.17	1.15	1.13	1.11	1.1	1.08	1.06	1.04	1.02	1.01	0.99	0.97	0.95	0.93	0.91	0.89	0.88	0.85	0.84	0.81
2.09	2.05	2.02	1.98	1.94	1.9	1.86	1.83	1.79	1.76	1.73	1.7	1.68	1.65	1.62	1.6	1.57	1.55	1.53	1.5	1.47	1.44	1.42	1.39	1.36	1.32	1.28	1.25	1.2
2.48	2.44	2.38	2.33	2.29	2.26	2.21	2.16	2.11	2.06	2.03	2	1.97	1.95	1.92	1.89	1.87	1.84	1.8	1.77	1.75	1.72	1.69	1.66	1.63	1.59	1.55	1.49	1.45
2.63	2.58	2.52	2.47	2.4	2.34	2.27	2.21	2.16	2.13	2.09	2.05	2.02	2	1.96	1.94	1.92	1.9	1.87	1.84	1.82	1.8	1.77	1.74	1.71	1.67	1.61	1.56	1.52

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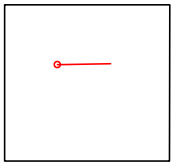
Part3

1.2 Calculation results, Exterior 1

1.2.10 Table, Rail line (E)

1.1	1.07	1.05	1.02	0.98	0.95	0.91	0.89	0.86	0.84	0.81	0.79	0.76	0.73	0.71	0.68	0.67	0.65	0.63	0.61	0.59	0.57	0.55	0.54	0.52	0.51	0.49	0.48	0.46	0.44
1.08	1.06	1.03	0.99	0.96	0.93	0.9	0.87	0.84	0.81	0.78	0.76	0.73	0.71	0.68	0.66	0.64	0.62	0.6	0.58	0.57	0.55	0.53	0.52	0.5	0.49	0.47	0.45	0.44	0.43
1.03	0.99	0.97	0.93	0.91	0.87	0.84	0.81	0.78	0.76	0.73	0.71	0.68	0.66	0.64	0.62	0.6	0.59	0.57	0.55	0.53	0.52	0.5	0.49	0.47	0.46	0.44	0.43	0.42	0.4
0.98	0.96	0.92	0.89	0.86	0.83	0.8	0.77	0.74	0.72	0.7	0.67	0.65	0.63	0.61	0.59	0.57	0.55	0.54	0.52	0.51	0.49	0.48	0.46	0.45	0.44	0.42	0.41	0.4	0.38
0.93	0.9	0.87	0.84	0.8	0.78	0.75	0.73	0.7	0.68	0.66	0.63	0.61	0.59	0.57	0.55	0.54	0.52	0.51	0.49	0.48	0.46	0.45	0.44	0.42	0.41	0.4	0.39	0.37	0.36
0.88	0.84	0.81	0.79	0.76	0.73	0.71	0.68	0.66	0.64	0.62	0.6	0.58	0.56	0.54	0.53	0.51	0.49	0.48	0.46	0.45	0.44	0.42	0.41	0.4	0.38	0.37	0.37	0.38	0.36
0.79	0.76	0.74	0.71	0.69	0.66	0.64	0.62	0.59	0.57	0.58	0.57	0.55	0.53	0.52	0.5	0.49	0.47	0.45	0.44	0.43	0.41	0.4	0.39	0.38	0.37	0.36	0.35	0.34	0.32
1.16	1.12	1.08	1.04	1.01	0.98	0.95	0.91	0.88	0.85	0.82	0.8	0.79	0.76	0.74	0.71	0.69	0.67	0.66	0.64	0.62	0.6	0.58	0.56	0.55	0.54	0.53	0.51	0.5	0.48
1.4	1.36	1.32	1.27	1.22	1.18	1.13	1.09	1.05	1.01	0.98	0.94	0.91	0.88	0.85	0.82	0.8	0.77	0.75	0.73	0.7	0.68	0.66	0.64	0.62	0.6	0.59	0.57	0.55	0.54
1.48	1.43	1.38	1.34	1.28	1.24	1.19	1.14	1.09	1.05	1	0.96	0.93	0.9	0.87	0.84	0.81	0.79	0.76	0.74	0.71	0.69	0.67	0.65	0.63	0.61	0.59	0.58	0.56	0.54

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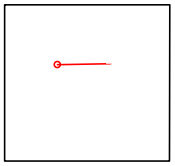
Part4

1.2 Calculation results, Exterior 1

1.2.10 Table, Rail line (E)

0.43	0.42	0.4	0.39	0.38	0.36	0.35	0.34	0.33	0.32	0.31	0.3
0.41	0.4	0.39	0.37	0.36	0.35	0.34	0.33	0.32	0.31	0.3	0.29
0.39	0.38	0.37	0.35	0.34	0.33	0.32	0.31	0.3	0.29	0.28	0.27
0.37	0.36	0.35	0.34	0.33	0.31	0.3	0.29	0.29	0.28	0.27	0.26
0.35	0.34	0.33	0.32	0.31	0.3	0.29	0.28	0.27	0.26	0.25	0.24
0.35	0.34	0.33	0.32	0.31	0.3	0.29	0.28	0.27	0.26	0.25	0.25
0.31	0.3	0.29	0.28	0.27	0.26	0.26	0.25	0.24	0.23	**(0.22)**	**(0.22)**
0.47	0.46	0.45	0.44	0.43	0.42	0.41	0.39	0.38	0.37	0.36	0.35
0.52	0.51	0.49	0.48	0.47	0.45	0.44	0.43	0.42	0.41	0.39	0.38
0.53	0.51	0.5	0.49	0.48	0.46	0.45	0.44	0.43	0.42	0.41	0.39

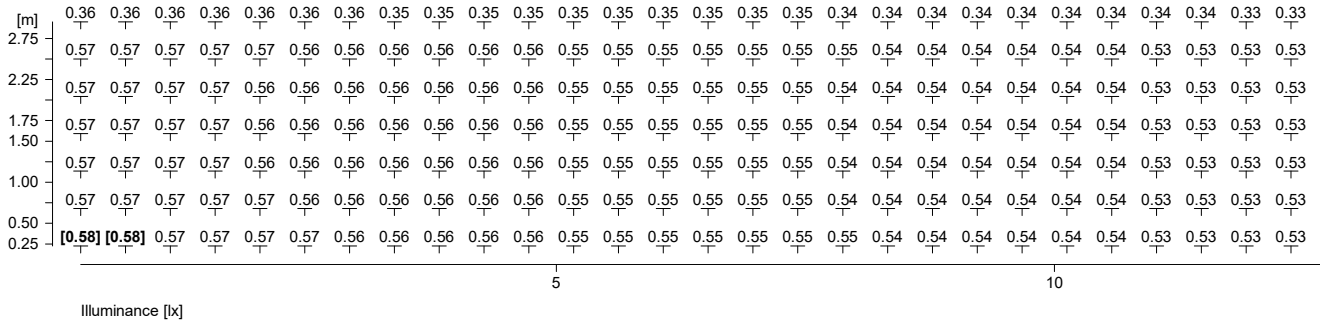
120 [m]

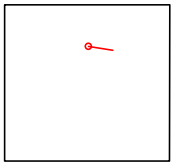


Part5

1.2 Calculation results, Exterior 1

1.2.11 Table, Densley Close (E)





Part1

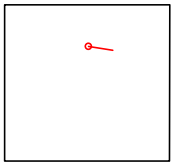
Average illuminance	Em	: 0.42 lx
Minimum illuminance	Emin	: 0.21 lx
Maximum illuminance	Emax	: 0.58 lx
Uniformity Uo	Emin/Em	: 1 : 2.03 (0.49)
Diversity Ud	Emin/Emax	: 1 : 2.77 (0.36)

1.2 Calculation results, Exterior 1

1.2.11 Table, Densley Close (E)

0.34	0.34	0.34	0.34	0.34	0.34	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.31	0.31	0.31	0.3	0.3
0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.5	0.5	0.5	0.5	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.47
0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.5	0.5	0.5	0.5	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.47	0.47	0.47
0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.5	0.5	0.5	0.5	0.5	0.5	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.47	0.47	0.47
0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.5	0.5	0.5	0.5	0.5	0.5	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.47	0.47
0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.5	0.5	0.5	0.5	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.47
0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.5	0.5	0.5	0.5	0.5	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.47

15 20 25



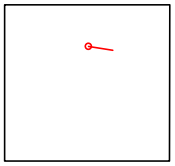
Part2

1.2 Calculation results, Exterior 1

1.2.11 Table, Densley Close (E)

0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27
0.47	0.47	0.47	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.45	0.44	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.41	0.41
0.47	0.47	0.47	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41
0.47	0.47	0.46	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.41
0.47	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.45	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.41	0.4
0.47	0.47	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.4	0.4
0.47	0.47	0.47	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.41	0.4

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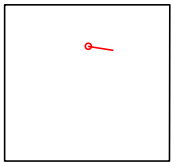
Part3

1.2 Calculation results, Exterior 1

1.2.11 Table, Densley Close (E)

0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22
0.41	0.41	0.4	0.4	0.4	0.4	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.36	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.35	0.34	0.34	0.34
0.41	0.41	0.4	0.4	0.4	0.4	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.34
0.4	0.4	0.4	0.4	0.4	0.4	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.34
0.4	0.4	0.4	0.4	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.34
0.4	0.4	0.4	0.4	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.35	0.34	0.34	0.34
0.4	0.4	0.4	0.39	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.35	0.35	0.34	0.34	0.34

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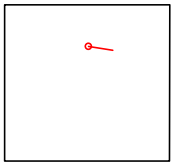
Part4

1.2 Calculation results, Exterior 1

1.2.11 Table, Densley Close (E)

0.22	0.22	0.22	0.22	0.22	0.22	0.22	(0.21)	(0.21)	(0.21)	(0.21)	(0.21)	(0.21)	(0.21)	(0.21)
0.34	0.34	0.33	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.31
0.34	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.31
0.34	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.31	0.31
0.34	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.31	0.31
0.34	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.31	0.31
0.34	0.34	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.31	0.31

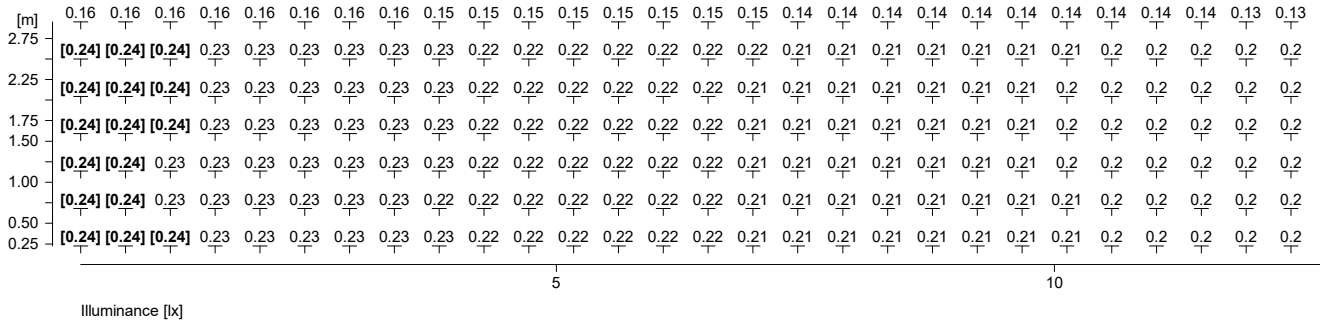
55 [m]

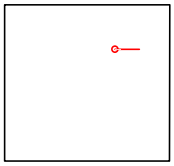


Part5

1.2 Calculation results, Exterior 1

1.2.12 Table, Scholars Mews (E)





Part1

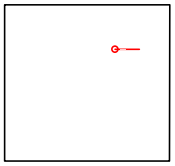
Average illuminance	Em	: 0.14 lx
Minimum illuminance	Emin	: 0.07 lx
Maximum illuminance	Emax	: 0.24 lx
Uniformity Uo	Emin/Em	: 1 : 2.16 (0.46)
Diversity Ud	Emin/Emax	: 1 : 3.59 (0.28)

1.2 Calculation results, Exterior 1

1.2.12 Table, Scholars Mews (E)

0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11
0.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15
0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15
0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15
0.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15
0.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15
0.2	0.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15

15 20 25



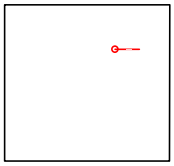
Part2

1.2 Calculation results, Exterior 1

1.2.12 Table, Scholars Mews (E)

0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12
0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12
0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12
0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12
0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12
0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12

30 35



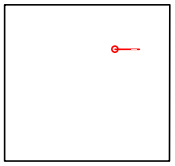
Part3

1.2 Calculation results, Exterior 1

1.2.12 Table, Scholars Mews (E)

0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	**(0.07)**	**(0.07)**
0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.1	0.1	0.1	0.1

40 45 50



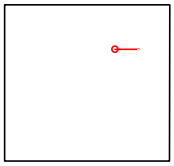
Part4

1.2 Calculation results, Exterior 1

1.2.12 Table, Scholars Mews (E)

(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)
0.1	0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
0.1	0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

55 [m]



Part5

1.2 Calculation results, Exterior 1

1.2.13 Table, South Boundary (E)

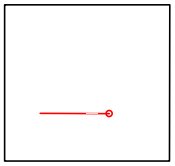
[m]																													
9	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.44	0.45	0.46	0.47	0.48	0.5	0.51	0.52	0.54	0.55	0.56	0.57	0.59	0.6	0.61
	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.46	0.47	0.48	0.49	0.5	0.52	0.53	0.54	0.55	0.57	0.58	0.59
8	0.28	0.28	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.44	0.45	0.46	0.47	0.48	0.49	0.51	0.52	0.53	0.54	0.55	0.57
7	0.26	0.26	0.27	0.28	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.48	0.49	0.5	0.51	0.52	0.53
6	0.24	0.25	0.25	0.26	0.27	0.28	0.29	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.45	0.46	0.47	0.48	0.49	0.5
5	0.24	0.25	0.26	0.27	0.27	0.28	0.29	0.3	0.3	0.31	0.32	0.33	0.32	0.33	0.34	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.42	0.43	0.44	0.45	0.46	0.47
4	0.22	0.23	0.24	0.25	0.25	0.26	0.27	0.28	0.29	0.3	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.38	0.39	0.4	0.41	0.42	0.43	0.45	0.46	0.47	0.48	0.49
3	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.51	0.52	0.54	0.55	0.56	0.58	0.6	0.62	0.63	0.65	0.66	0.68	0.69	0.71
2	0.36	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.48	0.49	0.5	0.52	0.53	0.55	0.56	0.58	0.59	0.61	0.63	0.65	0.67	0.69	0.71	0.72	0.75	0.77
1	0.37	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.51	0.52	0.54	0.55	0.57	0.58	0.6	0.62	0.64	0.66	0.68	0.7	0.72	0.74	0.77	0.79

1.2 Calculation results, Exterior 1

1.2.13 Table, South Boundary (E)

0.62	0.64	0.66	0.67	0.69	0.7	0.72	0.74	0.76	0.78	0.8	0.82	0.85	0.87	0.89	0.92	0.95	0.98	1	1.03	1.06	1.09	1.12	1.15	1.18	1.21	1.24	1.29	1.32	1.37
0.61	0.62	0.64	0.65	0.67	0.69	0.71	0.72	0.74	0.76	0.78	0.8	0.83	0.85	0.88	0.9	0.93	0.96	0.99	1.02	1.04	1.07	1.1	1.13	1.16	1.2	1.23	1.26	1.31	1.34
0.58	0.6	0.61	0.63	0.64	0.66	0.68	0.7	0.71	0.73	0.75	0.77	0.79	0.82	0.84	0.87	0.9	0.92	0.95	0.98	1.02	1.04	1.08	1.1	1.13	1.18	1.21	1.25	1.28	1.33
0.55	0.56	0.57	0.59	0.6	0.62	0.64	0.66	0.68	0.69	0.72	0.73	0.75	0.78	0.8	0.82	0.85	0.87	0.9	0.93	0.96	0.99	1.02	1.04	1.07	1.11	1.14	1.17	1.22	1.25
0.52	0.53	0.54	0.56	0.57	0.59	0.6	0.62	0.64	0.65	0.67	0.69	0.71	0.74	0.76	0.78	0.8	0.82	0.85	0.88	0.91	0.94	0.97	0.99	1.02	1.06	1.09	1.12	1.16	1.2
0.49	0.5	0.52	0.53	0.55	0.56	0.58	0.6	0.62	0.63	0.65	0.67	0.7	0.72	0.74	0.76	0.79	0.81	0.84	0.87	0.9	0.93	0.96	0.98	1.01	1.04	1.08	1.11	1.14	1.18
0.5	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.59	0.61	0.62	0.64	0.66	0.68	0.7	0.73	0.75	0.78	0.81	0.84	0.86	0.89	0.92	0.95	0.99	1.02	1.05	1.09
0.73	0.75	0.76	0.77	0.8	0.82	0.84	0.85	0.87	0.89	0.91	0.94	0.97	1	1.02	1.06	1.07	1.09	1.12	1.15	1.19	1.22	1.27	1.3	1.32	1.37	1.4	1.42	1.47	1.5
0.8	0.82	0.84	0.86	0.89	0.91	0.94	0.97	0.99	1.02	1.05	1.09	1.13	1.16	1.19	1.23	1.27	1.31	1.35	1.39	1.44	1.49	1.54	1.59	1.64	1.69	1.74	1.79	1.85	1.89
0.82	0.84	0.86	0.88	0.9	0.93	0.96	0.99	1.01	1.04	1.07	1.11	1.15	1.18	1.22	1.26	1.3	1.33	1.37	1.41	1.46	1.51	1.57	1.62	1.67	1.72	1.77	1.82	1.86	1.91

40



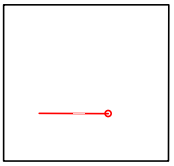
Part2

1.2 Calculation results, Exterior 1

1.2.13 Table, South Boundary (E)

1.4	1.43	1.48	1.52	1.57	1.62	1.66	1.7	1.75	1.79	1.84	1.88	1.91	1.95	1.99	2.02	2.04	2.07	2.09	2.11	2.12	2.12	2.13	2.14	2.14	2.14	2.14	2.14	2.13
1.38	1.43	1.47	1.52	1.57	1.61	1.66	1.7	1.75	1.8	1.84	1.89	1.93	1.97	2	2.03	2.07	2.09	2.11	2.13	2.14	2.15	2.16	2.17	2.17	2.17	2.17	2.17	2.17
1.37	1.41	1.45	1.5	1.54	1.59	1.64	1.69	1.74	1.78	1.83	1.87	1.92	1.96	2	2.03	2.07	2.09	2.11	2.13	2.15	2.16	2.16	2.17	2.17	2.17	2.17	2.17	2.16
1.29	1.33	1.37	1.41	1.46	1.5	1.55	1.6	1.65	1.69	1.74	1.78	1.82	1.86	1.9	1.93	1.97	2	2.02	2.04	2.06	2.07	2.08	2.08	2.08	2.08	2.08	2.07	2.07
1.24	1.27	1.32	1.36	1.4	1.45	1.49	1.54	1.58	1.63	1.67	1.72	1.76	1.8	1.84	1.88	1.92	1.95	1.98	2	2.01	2.03	2.03	2.04	2.04	2.03	2.03	2.02	2.01
1.22	1.25	1.29	1.33	1.37	1.41	1.45	1.5	1.54	1.59	1.63	1.68	1.73	1.77	1.82	1.86	1.91	1.94	1.98	2	2.02	2.02	2.02	2.02	2.01	2	1.98	1.97	1.96
1.12	1.16	1.19	1.23	1.27	1.31	1.35	1.39	1.45	1.5	1.56	1.63	1.71	1.78	1.85	1.92	1.97	2.02	2.07	2.1	2.11	2.11	2.09	2.06	2.03	2	1.97	1.92	1.88
1.55	1.58	1.63	1.67	1.72	1.78	1.83	1.9	1.97	2.05	2.13	2.22	2.33	2.45	2.57	2.68	2.78	2.84	2.9	2.95	2.97	2.97	2.95	2.93	2.89	2.84	2.78	2.72	2.67
1.94	1.98	2.04	2.1	2.17	2.24	2.31	2.4	2.48	2.58	2.68	2.8	2.94	3.1	3.27	3.43	3.55	3.64	3.72	3.76	3.79	3.8	3.79	3.76	3.71	3.62	3.51	3.42	3.38
1.96	2	2.07	2.13	2.2	2.25	2.32	2.41	2.5	2.6	2.72	2.85	3.01	3.19	3.38	3.57	3.72	3.82	3.9	3.97	4.03	4.07	4.1	**[4.11]**	4.08	3.97	3.83	3.69	3.57

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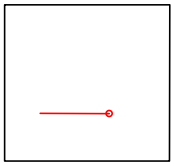
Part3

1.2 Calculation results, Exterior 1

1.2.13 Table, South Boundary (E)

2.13	2.12	2.12	2.11	2.1	2.09	2.09	2.08	2.07	2.06	2.05	2.04	2.03	2.02	2.01	2	1.98	1.97	1.95	1.93	1.91	1.88	1.84	1.81	1.79	1.75	1.72	1.68	1.65	1.6
2.16	2.15	2.15	2.14	2.13	2.12	2.12	2.11	2.1	2.09	2.08	2.07	2.06	2.05	2.03	2.02	2.01	1.99	1.97	1.95	1.93	1.91	1.86	1.83	1.8	1.77	1.74	1.7	1.67	1.62
2.15	2.14	2.14	2.13	2.12	2.11	2.1	2.09	2.08	2.07	2.06	2.05	2.04	2.03	2.01	2	1.98	1.97	1.95	1.93	1.9	1.88	1.83	1.8	1.77	1.74	1.71	1.67	1.64	1.59
2.06	2.05	2.04	2.03	2.02	2.02	2.01	2	1.99	1.99	1.98	1.97	1.96	1.94	1.93	1.92	1.91	1.89	1.87	1.85	1.82	1.8	1.76	1.73	1.7	1.67	1.64	1.61	1.57	1.53
2.01	2	1.99	1.98	1.97	1.96	1.95	1.94	1.93	1.93	1.92	1.92	1.91	1.89	1.88	1.87	1.85	1.83	1.81	1.79	1.77	1.74	1.7	1.67	1.65	1.62	1.59	1.56	1.53	1.49
1.94	1.92	1.91	1.9	1.89	1.88	1.87	1.86	1.86	1.85	1.85	1.85	1.84	1.83	1.82	1.8	1.79	1.77	1.74	1.72	1.69	1.67	1.64	1.61	1.59	1.56	1.54	1.51	1.49	1.45
1.85	1.82	1.81	1.8	1.8	1.8	1.81	1.81	1.81	1.82	1.82	1.83	1.83	1.82	1.81	1.79	1.77	1.74	1.72	1.69	1.67	1.64	1.61	1.59	1.57	1.55	1.53	1.51	1.5	1.48
2.62	2.59	2.57	2.56	2.56	2.57	2.58	2.59	2.59	2.6	2.61	2.61	2.62	2.61	2.58	2.55	2.51	2.47	2.44	2.4	2.36	2.32	2.28	2.24	2.21	2.18	2.16	2.12	2.09	2.06
3.32	3.29	3.27	3.25	3.25	3.26	3.28	3.3	3.32	3.34	3.35	3.36	3.36	3.35	3.32	3.29	3.24	3.18	3.13	3.07	3.01	2.95	2.89	2.85	2.82	2.8	2.78	2.76	2.71	2.66
3.49	3.43	3.39	3.36	3.37	3.38	3.41	3.45	3.48	3.5	3.52	3.53	3.52	3.52	3.48	3.44	3.4	3.33	3.25	3.19	3.11	3.04	2.98	2.94	2.92	2.9	2.89	2.85	2.8	2.77

100



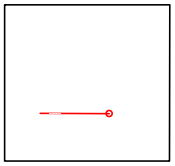
Part4

1.2 Calculation results, Exterior 1

1.2.13 Table, South Boundary (E)

1.56	1.5	1.46	1.42	1.38	1.33	1.27	1.19	1.14	1.09	1.04	1	0.97	0.92	0.89	0.87	0.83	0.81	0.8	0.75	0.71	0.69	0.67	0.65	0.63	0.6	0.57	0.54	0.53
1.58	1.53	1.48	1.44	1.4	1.34	1.29	1.19	1.13	1.08	1.04	1	0.95	0.91	0.9	0.86	0.83	0.8	0.78	0.74	0.7	0.68	0.66	0.62	0.6	0.58	0.55	0.53	0.5
1.55	1.5	1.45	1.41	1.37	1.31	1.24	1.16	1.11	1.04	1.01	0.96	0.92	0.89	0.87	0.83	0.8	0.77	0.76	0.71	0.67	0.65	0.62	0.6	0.57	0.55	0.52	0.5	0.48
1.5	1.45	1.4	1.36	1.32	1.26	1.19	1.12	1.05	1	0.96	0.92	0.88	0.86	0.82	0.79	0.77	0.74	0.71	0.66	0.63	0.61	0.58	0.56	0.53	0.51	0.49	0.47	0.46
1.46	1.41	1.36	1.32	1.27	1.22	1.14	1.07	1.02	0.96	0.93	0.89	0.85	0.82	0.79	0.75	0.72	0.69	0.66	0.61	0.58	0.56	0.54	0.52	0.51	0.48	0.46	0.44	0.42
1.42	1.38	1.33	1.29	1.24	1.18	1.1	1.03	0.97	0.92	0.88	0.84	0.81	0.77	0.74	0.7	0.67	0.64	0.61	0.58	0.55	0.53	0.51	0.49	0.47	0.45	0.43	0.41	0.39
1.46	1.42	1.37	1.33	1.28	1.2	1.12	1.03	0.98	0.91	0.86	0.81	0.76	0.71	0.68	0.64	0.61	0.58	0.55	0.52	0.49	0.47	0.45	0.42	0.41	0.39	0.37	0.35	0.33
2.02	1.97	1.91	1.85	1.77	1.65	1.53	1.39	1.31	1.24	1.17	1.1	1.08	1	0.97	0.92	0.87	0.83	0.8	0.76	0.71	0.69	0.69	0.65	0.62	0.6	0.58	0.57	0.55
2.62	2.56	2.49	2.42	2.32	2.14	1.99	1.82	1.69	1.58	1.49	1.4	1.33	1.24	1.22	1.14	1.07	1.02	0.98	0.91	0.87	0.82	0.8	0.75	0.7	0.67	0.65	0.64	0.62
2.73	2.67	2.59	2.51	2.42	2.22	2.06	1.87	1.74	1.62	1.52	1.42	1.35	1.25	1.22	1.15	1.09	1.03	1	0.93	0.89	0.84	0.8	0.75	0.69	0.66	0.65	0.64	0.61

120 140



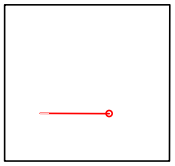
Part5

1.2 Calculation results, Exterior 1

1.2.13 Table, South Boundary (E)

0.51	0.49	0.46	0.45	0.43	0.42	0.4	0.38	0.37	0.36	0.35	0.33	0.32	0.32	0.31	0.3	0.29	0.28	0.27	0.26	0.26	0.25
0.49	0.46	0.44	0.43	0.42	0.4	0.39	0.37	0.36	0.35	0.34	0.33	0.32	0.31	0.3	0.29	0.28	0.27	0.26	0.25	0.24	0.24
0.46	0.44	0.42	0.42	0.4	0.39	0.38	0.36	0.35	0.34	0.33	0.32	0.3	0.29	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21
0.44	0.42	0.4	0.39	0.38	0.37	0.35	0.34	0.33	0.32	0.31	0.29	0.28	0.26	0.25	0.23	0.22	0.21	0.2	0.19	0.18	0.17
0.41	0.39	0.37	0.37	0.36	0.34	0.33	0.31	0.29	0.27	0.25	0.23	0.22	0.2	0.19	0.17	0.16	0.15	0.14	0.13	0.13	0.12
0.38	0.36	0.34	0.33	0.32	0.3	0.28	0.26	0.25	0.23	0.21	0.2	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.11	**(0.1)**
0.32	0.31	0.29	0.28	0.27	0.25	0.23	0.21	0.2	0.19	0.17	0.16	0.15	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.11	**(0.1)**
0.55	0.54	0.52	0.5	0.48	0.44	0.41	0.38	0.35	0.33	0.3	0.27	0.25	0.23	0.22	0.2	0.19	0.18	0.16	0.16	0.14	0.13
0.59	0.58	0.57	0.54	0.52	0.49	0.47	0.43	0.4	0.38	0.36	0.33	0.31	0.29	0.28	0.26	0.23	0.22	0.2	0.18	0.17	0.15
0.59	0.58	0.57	0.54	0.51	0.49	0.46	0.42	0.4	0.38	0.36	0.33	0.31	0.29	0.29	0.26	0.24	0.23	0.2	0.19	0.17	0.15

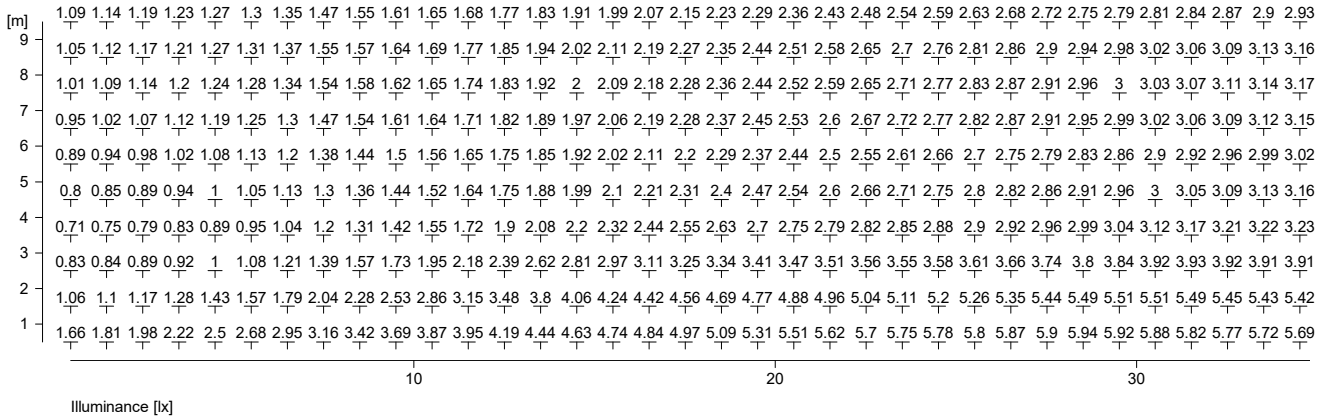
160 [m]

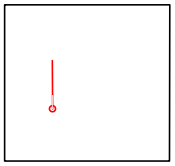


Part6

1.2 Calculation results, Exterior 1

1.2.14 Table, West Boundary (E)





Part1

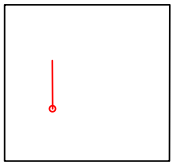
Average illuminance	Em	: 2.4 lx
Minimum illuminance	Emin	: 0.31 lx
Maximum illuminance	Emax	: 7.5 lx
Uniformity Uo	Emin/Em	: 1 : 7.70 (0.13)
Diversity Ud	Emin/Emax	: 1 : 24.00 (0.04)

1.2 Calculation results, Exterior 1

1.2.14 Table, West Boundary (E)

2.95	2.98	3.1	3.13	3.15	3.17	3.19	3.2	3.21	3.21	3.21	3.2	3.19	3.17	3.16	3.13	3.09	3.11	3.06	3.02	2.97	2.96	2.91	2.85	2.79	2.82	2.75	2.73	2.69	2.61	2.55	2.52	2.46	2.42	2.35	2.29
3.19	3.22	3.25	3.28	3.3	3.33	3.34	3.39	3.4	3.41	3.4	3.4	3.4	3.38	3.36	3.3	3.28	3.24	3.2	3.15	3.1	3.03	2.97	2.95	2.88	2.9	2.83	2.75	2.71	2.62	2.58	2.55	2.49	2.46	2.37	2.35
3.21	3.23	3.26	3.29	3.33	3.36	3.38	3.41	3.42	3.43	3.43	3.43	3.43	3.42	3.4	3.35	3.32	3.27	3.24	3.18	3.11	3.04	3.01	2.95	2.92	2.86	2.84	2.77	2.71	2.65	2.59	2.55	2.49	2.43	2.35	2.34
3.18	3.21	3.23	3.25	3.28	3.3	3.33	3.35	3.36	3.37	3.39	3.39	3.38	3.37	3.35	3.29	3.26	3.22	3.16	3.11	3.06	2.97	2.9	2.86	2.8	2.77	2.71	2.69	2.65	2.57	2.55	2.47	2.42	2.35	2.34	2.31
3.05	3.08	3.1	3.12	3.14	3.16	3.18	3.21	3.24	3.26	3.27	3.27	3.28	3.28	3.27	3.21	3.18	3.14	3.1	3.04	2.98	2.91	2.84	2.75	2.68	2.62	2.58	2.55	2.51	2.47	2.42	2.34	2.33	2.3	2.25	2.21
3.17	3.19	3.2	3.22	3.25	3.29	3.32	3.36	3.4	3.43	3.45	3.47	3.46	3.44	3.43	3.37	3.33	3.27	3.21	3.14	3.08	2.99	2.9	2.81	2.73	2.64	2.56	2.51	2.45	2.41	2.38	2.33	2.32	2.28	2.22	2.19
3.24	3.25	3.28	3.31	3.38	3.45	3.55	3.64	3.71	3.77	3.83	3.86	3.86	3.81	3.8	3.71	3.62	3.51	3.39	3.28	3.16	3.05	2.94	2.83	2.73	2.62	2.54	2.5	2.43	2.37	2.35	2.35	2.35	2.35	2.35	2.33
3.9	3.9	3.93	3.99	4.06	4.17	4.33	4.49	4.62	4.74	4.83	4.88	4.87	4.81	4.73	4.62	4.46	4.3	4.13	3.97	3.84	3.69	3.56	3.43	3.31	3.16	3.1	3.09	2.93	2.85	2.82	2.81	2.81	2.85	2.8	2.72
5.41	5.43	5.46	5.51	5.61	5.78	6.02	6.27	6.49	6.66	6.77	6.83	6.81	6.73	6.58	6.39	6.13	5.88	5.68	5.49	5.34	5.15	4.99	4.85	4.71	4.58	4.48	4.39	4.15	3.96	3.92	3.85	3.78	3.69	3.62	3.45
5.67	5.68	5.72	5.82	5.98	6.19	6.45	6.78	7.08	7.32	7.49	**[7.5]**	7.47	7.33	7.14	6.89	6.58	6.27	6.1	5.92	5.8	5.64	5.06	4.87	4.74	4.54	4.42	4.91	4.65	4.44	4.33	4.22	4.11	3.96	3.86	3.6

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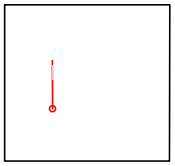
Part2

1.2 Calculation results, Exterior 1

1.2.14 Table, West Boundary (E)

2.22	2.09	2.03	2.04	1.98	1.93	1.88	1.85	1.78	1.75	1.69	1.64	1.58	1.51	1.48	1.42	1.37	1.34	1.28	1.26	1.21	1.17	1.13	1.08	1.04	0.99	0.94	0.9	0.85	0.81	0.77	0.75	0.71	0.68	0.65	0.63	0.6
2.24	2.19	2.12	2.07	2.03	1.97	1.91	1.87	1.81	1.76	1.72	1.66	1.59	1.54	1.5	1.46	1.41	1.35	1.31	1.27	1.22	1.17	1.13	1.07	1.02	0.97	0.92	0.87	0.83	0.79	0.76	0.73	0.69	0.66	0.63	0.61	0.58
2.25	2.2	2.14	2.08	2.02	1.98	1.92	1.86	1.81	1.76	1.7	1.64	1.6	1.54	1.49	1.43	1.41	1.36	1.3	1.25	1.19	1.15	1.09	1.04	0.98	0.93	0.89	0.85	0.81	0.76	0.74	0.7	0.67	0.64	0.61	0.58	0.55
2.21	2.13	2.05	2.02	1.98	1.92	1.86	1.82	1.77	1.72	1.67	1.63	1.57	1.52	1.48	1.44	1.39	1.34	1.28	1.22	1.16	1.11	1.05	1.01	0.96	0.91	0.86	0.82	0.77	0.73	0.7	0.66	0.62	0.59	0.57	0.54	0.52
2.12	2.08	2.01	1.97	1.92	1.87	1.81	1.79	1.74	1.69	1.64	1.58	1.55	1.49	1.43	1.38	1.32	1.26	1.21	1.16	1.1	1.05	1	0.94	0.89	0.84	0.79	0.75	0.71	0.68	0.64	0.61	0.58	0.55	0.53	0.5	0.48
2.11	2.07	2.01	1.97	1.93	1.89	1.86	1.8	1.78	1.73	1.67	1.6	1.53	1.45	1.37	1.29	1.25	1.19	1.14	1.08	1.02	0.97	0.92	0.88	0.83	0.79	0.74	0.7	0.67	0.63	0.6	0.57	0.54	0.52	0.49	0.48	0.46
2.31	2.32	2.32	2.33	2.32	2.3	2.29	2.25	2.21	2.11	2.08	1.97	1.86	1.67	1.57	1.45	1.36	1.27	1.2	1.12	1.05	0.99	0.93	0.88	0.82	0.77	0.73	0.69	0.65	0.61	0.58	0.54	0.51	0.49	0.46	0.44	0.42
2.64	2.7	2.74	2.82	2.86	2.87	2.88	2.86	2.81	2.67	2.54	2.36	2.28	2.07	1.9	1.76	1.64	1.52	1.44	1.39	1.3	1.22	1.15	1.08	1.02	0.96	0.91	0.87	0.85	0.82	0.78	0.75	0.72	0.69	0.67	0.65	0.65
3.35	3.42	3.45	3.54	3.64	3.7	3.7	3.69	3.71	3.64	3.52	3.26	2.99	2.73	2.47	2.24	2.06	1.91	1.77	1.69	1.56	1.45	1.34	1.26	1.19	1.13	1.07	1.03	0.99	0.94	0.9	0.87	0.83	0.8	0.77	0.74	0.72
3.47	3.54	3.58	3.71	3.7	3.88	3.98	4.09	4.19	4.16	4.17	3.98	3.77	3.59	3.36	3.03	2.78	2.58	2.4	2.2	1.93	1.73	1.57	1.44	1.32	1.19	1.09	1.03	0.98	0.93	0.91	0.87	0.83	0.8	0.77	0.74	0.71

80 90 100



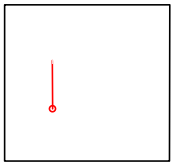
Part3

1.2 Calculation results, Exterior 1

1.2.14 Table, West Boundary (E)

0.57	0.55	0.53	0.51	0.49	0.47	0.45	0.43	0.42
0.56	0.53	0.51	0.49	0.47	0.45	0.43	0.41	0.39
0.52	0.5	0.48	0.46	0.44	0.42	0.41	0.39	0.38
0.5	0.48	0.46	0.44	0.42	0.4	0.38	0.37	0.35
0.46	0.44	0.42	0.4	0.39	0.37	0.36	0.34	0.33
0.44	0.42	0.4	0.38	0.37	0.35	0.34	0.33	**(0.31)**
0.4	0.38	0.36	0.35	0.33	0.32	0.39	0.38	0.36
0.63	0.61	0.58	0.56	0.54	0.53	0.51	0.51	0.49
0.69	0.66	0.64	0.61	0.59	0.57	0.55	0.53	0.52
0.68	0.66	0.64	0.62	0.6	0.58	0.56	0.54	0.52

110 [m]



Part4

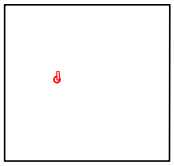
1.2 Calculation results, Exterior 1

1.2.15 Table, Ext car park 1 (E)

[m]								
18	(10.5)	11.5	12.6	13.8	15	16.1	17.2	18.3
	11	11.9	12.9	14.1	15.2	16.3	17.3	18.1
	11.4	12.2	13.2	14.3	15.3	16.2	16.9	17.4
	11.7	12.6	13.4	14.2	14.8	15.4	15.9	16.1
	12.1	12.8	13.5	14	14.4	14.7	14.9	15
16	12.5	13.1	13.6	14	14.2	14.2	14.2	14
	13.2	13.7	14	14.2	14.1	14	13.8	13.4
	14	14.4	14.7	14.6	14.3	13.9	13.6	13.1
	15	15.3	15.4	15	14.3	13.8	13.3	12.7
14	15.9	16.2	16.1	15.3	14.5	13.7	13.1	12.3
	17	17.3	16.9	15.7	14.6	13.7	12.8	11.9
	18.1	18.3	17.5	16.1	14.7	13.5	12.7	11.6
12	19.4	19.1	18.1	16.4	14.7	13.3	12.4	11.4
	20.4	20	18.5	16.5	14.7	13.1	12.2	11.2
	21.5	20.6	18.7	16.8	14.7	12.9	11.9	10.9
10	22.1	21	19.3	17.3	14.7	12.7	11.8	10.8
	22.8	21.8	20	17.8	14.9	12.8	11.8	11
	23.5	22.6	20.7	18.2	15.3	13.1	12.1	11.4
8	24.1	23.4	21.2	18.7	15.8	13.4	12.5	11.7
	24.4	23.5	21.7	19	16.1	13.7	12.1	11.4
	24.1	23.2	21.5	18.9	16.2	13.2	12.2	11.5
6	23.7	22.8	21.1	18.8	16	13.1	12.4	11.8
	23.1	22.3	20.5	18.6	16	13.3	12.5	12
	22.6	21.8	20	18.3	15.2	13.5	12.9	12.2
4	22	21.4	19.8	18.2	15.4	13.9	13.3	12.6
	21.1	20.9	19.8	18.3	15.8	14.5	13.9	13.1
	20.1	20.4	20	17.6	16.3	15.3	14.6	13.9
2	19.8	20.5	20.4	18.2	17.4	16.5	15.9	15.3
	22.3	23	23.7	22.1	21.5	21.1	20.5	19.8
	28.2	29.9	31.2	31	31.2	30.9	30.3	28.8
	36	38.9	39.5	41.3	41.9	41.9	41.2	39.5
	44.4	48.3	49.1	50	51	[51.1]	50.3	50.2

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 [m]

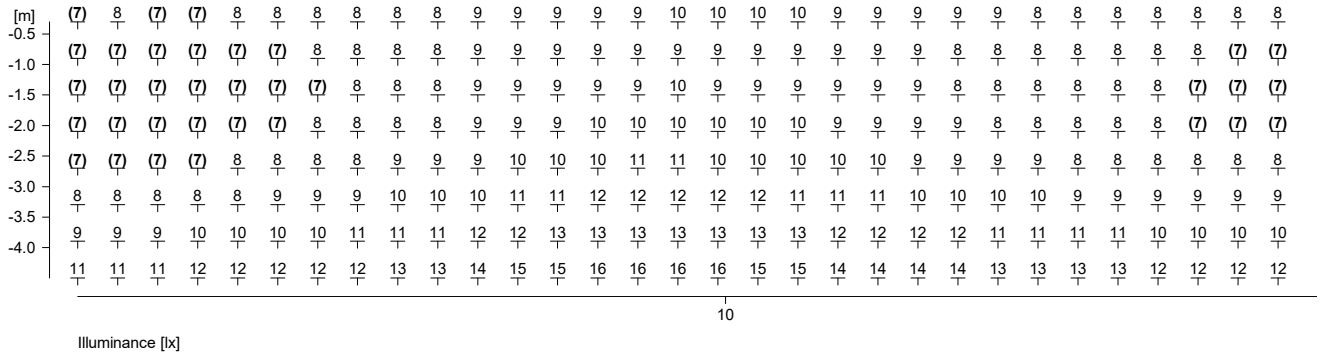
Illuminance [lx]

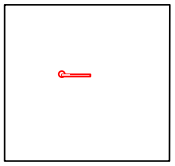


Height reference plane		: 0.00 m
Average illuminance	Em	: 18.3 lx
Minimum illuminance	Emin	: 10.5 lx
Maximum illuminance	Emax	: 51.1 lx
Uniformity Uo	Emin/Em	: 1 : 1.74 (0.58)
Diversity Ud	Emin/Emax	: 1 : 4.85 (0.21)

1.2 Calculation results, Exterior 1

1.2.16 Table, Ext car park 2 (E)



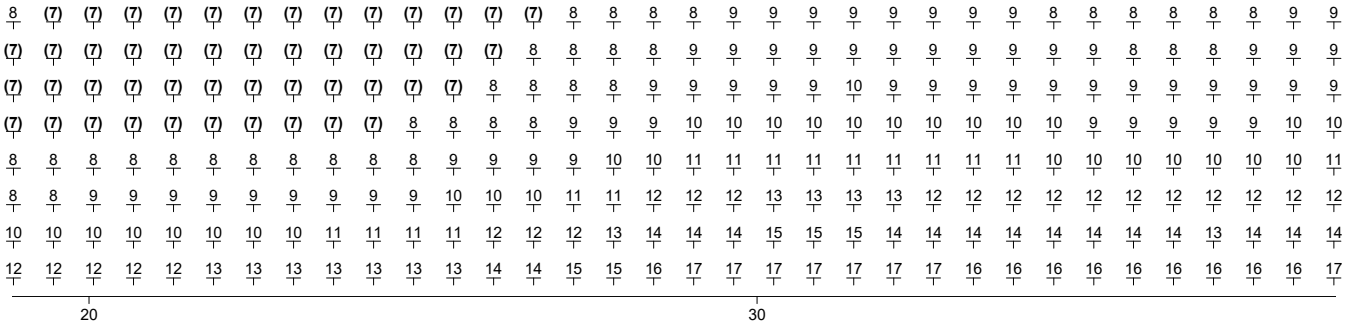


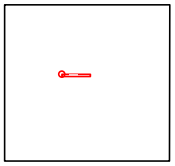
Part1

Height reference plane		: 0.00 m
Average illuminance	Em	: 16 lx
Minimum illuminance	Emin	: 7 lx
Maximum illuminance	Emax	: 107 lx
Uniformity Uo	Emin/Em	: 1 : 2.35 (0.42)
Diversity Ud	Emin/Emax	: 1 : 15.97 (0.06)

1.2 Calculation results, Exterior 1

1.2.16 Table, Ext car park 2 (E)





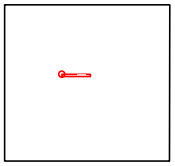
Part2

1.2 Calculation results, Exterior 1

1.2.16 Table, Ext car park 2 (E)

9	9	9	10	10	10	11	11	11	11	12	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12
9	9	9	10	10	10	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	14	14	15	15	16	17	17	18	19
9	10	10	10	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	14	15	16	17	18	19	21	23	25	27	28	30
10	10	10	11	11	12	12	12	13	13	13	13	13	13	13	13	13	13	13	14	15	16	17	19	20	22	24	27	31	35	38	40	42
11	11	12	12	12	13	13	14	14	14	14	14	14	14	14	14	14	14	14	15	16	17	19	21	23	26	28	32	38	44	49	51	52
12	13	13	14	14	15	16	16	16	17	17	17	16	16	16	16	15	15	16	16	17	19	20	23	25	28	32	37	45	54	63	68	74
14	15	16	16	17	18	19	19	20	20	20	20	19	19	19	18	18	18	18	18	19	20	22	24	26	30	34	40	49	61	73	84	91
17	18	19	20	21	22	23	24	25	25	25	24	24	23	22	22	21	21	21	21	22	23	24	25	27	30	34	41	50	61	74	89	99

40 50



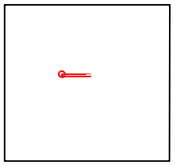
Part3

1.2 Calculation results, Exterior 1

1.2.16 Table, Ext car park 2 (E)

12	12	12	11	11	10	10	10	10	10	10	10	10	9	9	9	8	8
20	20	19	18	17	16	16	15	14	13	13	12	11	10	10	9	9	8
31	31	30	29	27	25	23	21	19	17	16	14	13	12	10	10	9	8
43	43	42	41	39	36	32	28	25	22	19	17	15	13	11	10	9	8
54	54	52	51	49	46	40	34	29	25	22	20	17	14	12	11	9	8
78	80	77	71	65	58	49	40	33	28	24	21	18	15	13	11	10	8
97	99	94	87	78	67	54	43	35	29	25	22	19	16	14	12	10	9
105	**[107]**	102	94	82	67	54	44	36	30	26	23	20	17	15	13	11	9

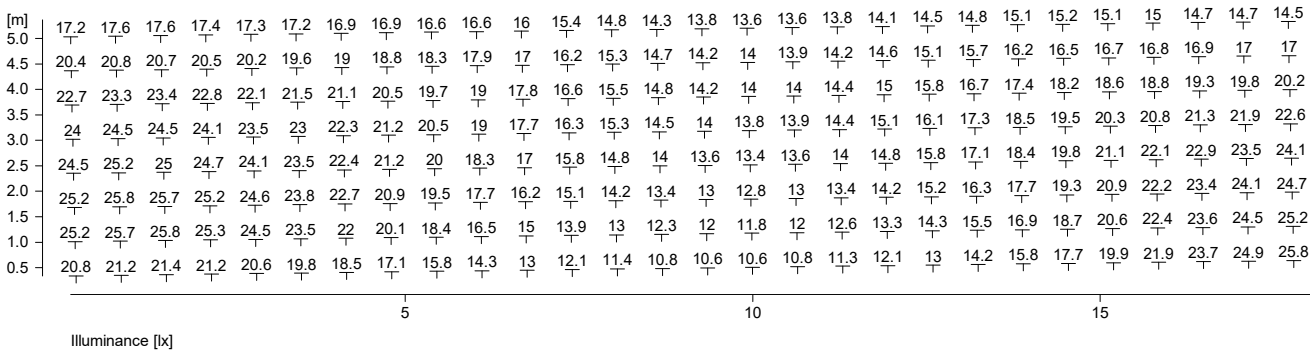
60 [m]

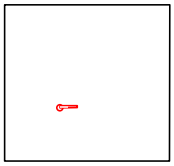


Part4

1.2 Calculation results, Exterior 1

1.2.17 Table, Ext car park 3 (E)





Part1

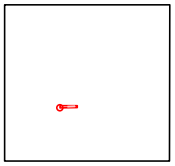
Height reference plane		: 0.00 m
Average illuminance	Em	: 16.5 lx
Minimum illuminance	Emin	: 8.9 lx
Maximum illuminance	Emax	: 29.3 lx
Uniformity Uo	Emin/Em	: 1 : 1.86 (0.54)
Diversity Ud	Emin/Emax	: 1 : 3.30 (0.30)

1.2 Calculation results, Exterior 1

1.2.17 Table, Ext car park 3 (E)

14.6	14.4	14.3																								
17.2	17.3	16.9	16.3	16	15.6	15.1	14.8	14.3	13.7	13.1	12.2	11.6	10.9	10.4	10.1	9.8	9.6	9.4	9.3	9.2	9.1	9.1	9.1	9.2	9.3	9.4	9.5	9.6
20.4	20.4	20	19.6	18.9	18	17.2	16.7	15.9	15	14	13.1	12.2	11.4	10.7	10.3	10	9.7	9.6	9.5	9.4	9.4	9.4	9.5	9.7	10	10.3	10.7	11.1
23.2	23.3	22.8	22	20.9	20	19.3	18.5	17.5	16.3	15	13.7	12.5	11.6	10.8	10.4	10	9.8	9.6	9.6	9.5	9.5	9.6	9.9	10.3	10.8	11.4	12.2	12.9
24.5	24.5	24.2	23.6	22.7	21.8	20.7	19.5	18.1	16.6	15.1	13.6	12.4	11.5	10.7	10.2	9.9	9.7	9.6	9.6	9.6	9.7	10	10.4	10.9	11.7	12.5	13.5	14.3
25.1	25.3	25	24.3	23.3	22.4	21.1	19.5	17.8	16.1	14.7	13.3	12.2	11.2	10.6	10	9.7	9.6	9.6	9.6	9.8	10	10.4	10.9	11.7	12.6	13.5	14.6	15.7
25.7	25.8	25.5	24.7	23.8	22.7	21.2	19.3	17.3	15.6	14	12.8	11.7	10.8	10.2	9.7	9.4	9.3	9.3	9.5	9.8	10.1	10.6	11.3	12.2	13.3	14.5	15.8	17.2
26.4	26.5	26.2	25.5	24.5	23.1	21.1	19	16.8	14.9	13.3	12	11	10.2	9.6	9.2	**(8.9)**	**(8.9)**	9	9.1	9.4	9.8	10.5	11.2	12.3	13.5	15.1	16.8	18.6

20 25 30 35



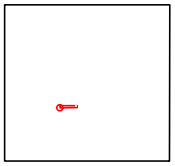
Part2

1.2 Calculation results, Exterior 1

1.2.17 Table, Ext car park 3 (E)

9.8	10.1	10.5	11.4	12.6	14.1	15.7	17.5
11.6	12.3	13.1	14	15.1	16.5	17.9	19.5
13.6	14.2	14.9	15.7	16.6	17.8	19.2	20.9
15	15.6	16.2	16.9	17.9	19.1	20.5	21.8
16.6	17.5	18.3	19.3	20.4	21.6	23	24.1
18.5	19.6	20.6	22	23.5	24.7	25.9	27
20.2	21.6	22.9	24.1	25.5	27	28.3	**[29.3]**

40 [m]

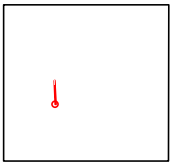


Part3

1.2 Calculation results, Exterior 1

1.2.18 Table, Footpath 1 (E)

[m]							
				12.2	13.6	15	16.5
	7.7	8.8	10	11.3	12.6	13.9	15.2
	7.4	8.3	9.4	10.6	11.7	12.9	14.1
	7.1	7.9	8.9	9.9	10.9	11.9	13
	6.8	7.6	8.5	9.3	10.2	11.1	12
	6.5	7.2	8	8.7	9.5	10.2	10.9
	6.2	6.8	7.3	7.9	7.2	7.6	8
	4.8	5.3	5.7	6.1	3.9	4.1	4.3
	(2.7)	3.1	3.4	3.7	4	4.2	4.4
	2.8	3.1	3.4	3.7	4	4.2	4.5
	2.8	3.1	3.4	3.7	4	4	4.2
55	2.9	3.2	3.5	3.6	3.8	3.7	3.8
		3.1	3.4	3.3	3.5	3.7	4
		2.8	3.1	3.3	3.5	3.7	4
		2.8	3.1	3.3	3.5	3.8	4
		2.8	3.1	3.3	3.5	3.7	4
		2.8	3	3.2	3.4	3.6	3.8
		2.8	3	3.3	3.5	3.7	3.9
		2.8	3.1	3.3	3.5	3.7	4	4.2
		2.9	3.1	3.4	3.6	3.8	4	4.3
		3	3.2	3.4	3.7	3.9	4.1	4.4
		3	3.2	3.5	3.7	4	4.2	4.5
		3	3.3	3.5	3.8	4	4.3	4.5
		3.1	3.3	3.6	3.8	4.1	4.3	4.6
		3.1	3.4	3.6	3.9	4.1	4.4	4.6
		3.1	3.4	3.7	3.9	4.2	4.5	4.7
		3.1	3.4	3.7	4	4.2	4.5	4.8
		3.2	3.4	3.7	4	4.3	4.6	4.9
		3.2	3.5	3.8	4.1	4.3	4.6	5
50		3.2	3.5	3.8	4.1	4.4	4.7	5
		3.2	3.5	3.9	4.2	4.5	4.8	5.1
		3.3	3.6	3.9	4.3	4.6	4.9	5.2
		3.3	3.6	4	4.3	4.7	5	5.3
		3.3	3.6	4	4.4	4.8	5.1	5.5
		3.3	3.7	4.1	4.5	4.9	5.2	5.6
			3.8	4.1	4.6	4.9	5.3	5.7
			3.8	4.2	4.6	5.1	5.5	5.9
			3.8	4.3	4.7	5.2	5.6	6



Part1

Height reference plane		: 0.00 m
Average illuminance	Em	: 7.5 lx
Minimum illuminance	Emin	: 2.7 lx
Maximum illuminance	Emax	: 20.4 lx
Uniformity Uo	Emin/Em	: 1 : 2.73 (0.37)
Diversity Ud	Emin/Emax	: 1 : 7.45 (0.13)

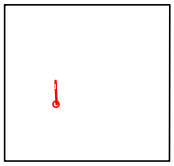
1.2 Calculation results, Exterior 1

1.2.18 Table, Footpath 1 (E)

3.9	4.3	4.8	5.3	5.7	6.2	6.6	
3.9	4.4	4.9	5.4	5.9	6.3	6.8	
3.9	4.4	5	5.5	6	6.5	6.9	
3.9	4.5	5	5.6	6.2	6.7	7.1	
3.9	4.5	5.1	5.7	6.3	6.8	7.3	
3.9	4.5	5.1	5.8	6.4	7	7.5	
3.9	4.5	5.2	5.9	6.6	7.2	7.7	
3.9	4.5	5.2	5.9	6.7	7.3	7.9	
3.9	4.5	5.2	5.9	6.8	7.5	8.1	
3.9	4.4	5.1	6	6.9	7.6	8.3	
4	4.4	5.1	6	7	7.8	8.5	
4	4.4	5.1	6.1	7.1	8.1	8.7	
4	4.4	5.1	6.2	7.2	8.2	8.9	
4.1	4.5	5.2	6.1	7.2	8.3	9.1	
4.1	4.6	5.2	6	7.2	8.4	9.3	
4.3	4.7	5.2	6	7.2	8.5	9.5	
4.3	4.7	5.1	5.9	7.2	8.6	9.7	
4.3	4.6	5.1	5.8	7	8.5	9.9	
4.4	4.7	5.1	5.8	6.9	8.6	10.1	
4.5	4.8	5.2	5.8	6.9	8.6	10.3	
	4.9	5.3	5.8	6.9	8.6	10.5	12
	5	5.4	5.9	6.8	8.5	10.6	12.3
	5.1	5.5	6	6.8	8.5	10.8	12.6
	5.3	5.7	6.1	6.8	8.4	10.9	12.9
	5.4	5.8	6.2	6.9	8.4	10.9	13.3
	5.6	5.9	6.4	7	8.3	11	13.7
	5.7	6.1	6.5	7.1	8.2	11	14
	5.9	6.3	6.7	7.2	8.2	11	14.3
	6.1	6.5	6.9	7.4	8.2	10.9	14.6
	6.3	6.7	7.1	7.6	8.3	10.8	14.8
	6.6	6.9	7.4	7.8	8.4	10.7	14.9
	6.8	7.2	7.6	8	8.6	10.6	15
	7.1	7.5	7.9	8.3	8.8	10.6	15.1
	7.3	7.7	8.1	8.6	9.1	10.7	15.2
	7.6	8	8.4	8.8	9.3	10.7	15.2
	7.8	8.3	8.7	9.1	9.6	10.8	15.2
	8	8.5	8.9	9.3	9.8	10.9	15.2
	8.2	8.7	9.1	9.5	9.9	11.1	15.3

45

40



Part2

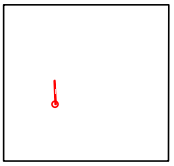
1.2 Calculation results, Exterior 1

1.2.18 Table, Footpath 1 (E)

8.3	8.8	9.3	9.7	10.1	11.1	15.4		
8.4	8.9	9.4	9.8	10.2	11.1	15.3		
8.5	9	9.5	9.9	10.2	11.3	15.2	**[20.4]**	
8.5	9	9.5	9.9	10.1	11.2	15.5	**[20.4]**	
	9	9.5	9.9	10.2	11.2	15.3	**[20.4]**	
	9	9.5	9.9	10.2	11.3	15.1	**[20.4]**	
	8.9	9.4	9.7	10.1	11.1	15.3	20.3	
	8.7	9.2	9.6	9.9	11	15.2	20.2	
	8.6	9	9.4	9.8	10.9	15.2	20	
	8.3	8.8	9.2	9.6	10.8	15.2	19.8	
	8.1	8.5	8.9	9.4	10.6	15.1	19.5	
	7.8	8.2	8.7	9.1	10.6	15	19.2	
	7.5	7.9	8.3	8.9	10.5	15	18.9	
	7.2	7.7	8.1	8.6	10.4	14.9	18.6	
	7	7.4	7.8	8.4	10.4	14.8	18.2	
	6.7	7.1	7.5	8.2	10.5	14.6	17.8	
	6.5	6.9	7.3	8.1	10.6	14.5	17.3	
	6.2	6.6	7.1	8	10.6	14.3	16.8	
	6	6.4	6.9	8	10.8	14	16.3	
	5.9	6.3	6.8	8	10.8	13.7	15.8	
	5.8	6.1	6.7	8	10.7	13.4	15.2	
	5.7	6	6.7	8.1	10.8	13	14.8	
	5.6	6	6.6	8.3	10.7	12.7	14.3	15.7
	5.5	5.9	6.7	8.4	10.6	12.5	13.9	15.2
	5.4	5.9	6.8	8.5	10.6	12.2	13.6	14.7
	5.4	5.9	6.9	8.7	10.5	12	13.2	14.3
	5.4	6	7.1	8.8	10.5	11.8	12.9	13.9
		6.1	7.2	8.8	10.4	11.6	12.7	13.6
		6.1	7.3	8.9	10.3	11.4	12.4	13.3
		6.2	7.5	8.9	10.2	11.2	12.2	13.1
		6.3	7.6	8.9	10.1	11.1	11.9	12.8
		6.4	7.7	8.9	9.9	10.9	11.7	12.5
		6.5	7.7	8.8	9.8	10.7	11.5	12.3
		6.6	7.7	8.8	9.7	10.5	11.3	12
		6.7	7.7	8.7	9.5	10.3	11.1	11.8
		6.7	7.7	8.6	9.4	10.2	10.9	11.5
		6.7	7.7	8.5	9.3	10	10.7	11.3
		6.8	7.6	8.4	9.2	9.8	10.5	11.1

35

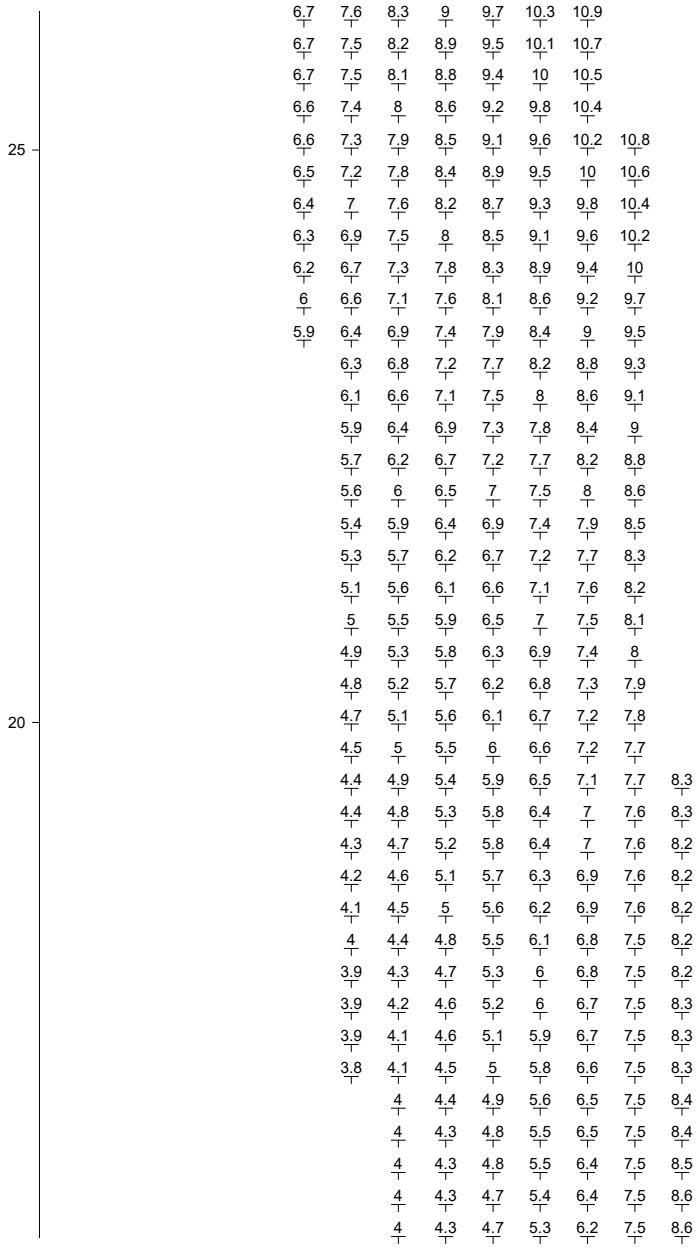
30



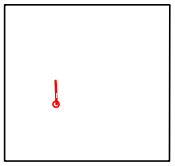
Part3

1.2 Calculation results, Exterior 1

1.2.18 Table, Footpath 1 (E)



6.7	7.6	8.3	9	9.7	10.3	10.9	
6.7	7.5	8.2	8.9	9.5	10.1	10.7	
6.7	7.5	8.1	8.8	9.4	10	10.5	
6.6	7.4	8	8.6	9.2	9.8	10.4	
6.6	7.3	7.9	8.5	9.1	9.6	10.2	10.8
6.5	7.2	7.8	8.4	8.9	9.5	10	10.6
6.4	7	7.6	8.2	8.7	9.3	9.8	10.4
6.3	6.9	7.5	8	8.5	9.1	9.6	10.2
6.2	6.7	7.3	7.8	8.3	8.9	9.4	10
6	6.6	7.1	7.6	8.1	8.6	9.2	9.7
5.9	6.4	6.9	7.4	7.9	8.4	9	9.5
	6.3	6.8	7.2	7.7	8.2	8.8	9.3
	6.1	6.6	7.1	7.5	8	8.6	9.1
	5.9	6.4	6.9	7.3	7.8	8.4	9
	5.7	6.2	6.7	7.2	7.7	8.2	8.8
	5.6	6	6.5	7	7.5	8	8.6
	5.4	5.9	6.4	6.9	7.4	7.9	8.5
	5.3	5.7	6.2	6.7	7.2	7.7	8.3
	5.1	5.6	6.1	6.6	7.1	7.6	8.2
	5	5.5	5.9	6.5	7	7.5	8.1
	4.9	5.3	5.8	6.3	6.9	7.4	8
	4.8	5.2	5.7	6.2	6.8	7.3	7.9
	4.7	5.1	5.6	6.1	6.7	7.2	7.8
	4.5	5	5.5	6	6.6	7.2	7.7
	4.4	4.9	5.4	5.9	6.5	7.1	7.7	8.3
	4.4	4.8	5.3	5.8	6.4	7	7.6	8.3
	4.3	4.7	5.2	5.8	6.4	7	7.6	8.2
	4.2	4.6	5.1	5.7	6.3	6.9	7.6	8.2
	4.1	4.5	5	5.6	6.2	6.9	7.6	8.2
	4	4.4	4.8	5.5	6.1	6.8	7.5	8.2
	3.9	4.3	4.7	5.3	6	6.8	7.5	8.2
	3.9	4.2	4.6	5.2	6	6.7	7.5	8.3
	3.9	4.1	4.6	5.1	5.9	6.7	7.5	8.3
	3.8	4.1	4.5	5	5.8	6.6	7.5	8.3
		4	4.4	4.9	5.6	6.5	7.5	8.4
		4	4.3	4.8	5.5	6.5	7.5	8.4
		4	4.3	4.8	5.5	6.4	7.5	8.5
		4	4.3	4.7	5.4	6.4	7.5	8.6
		4	4.3	4.7	5.3	6.2	7.5	8.6

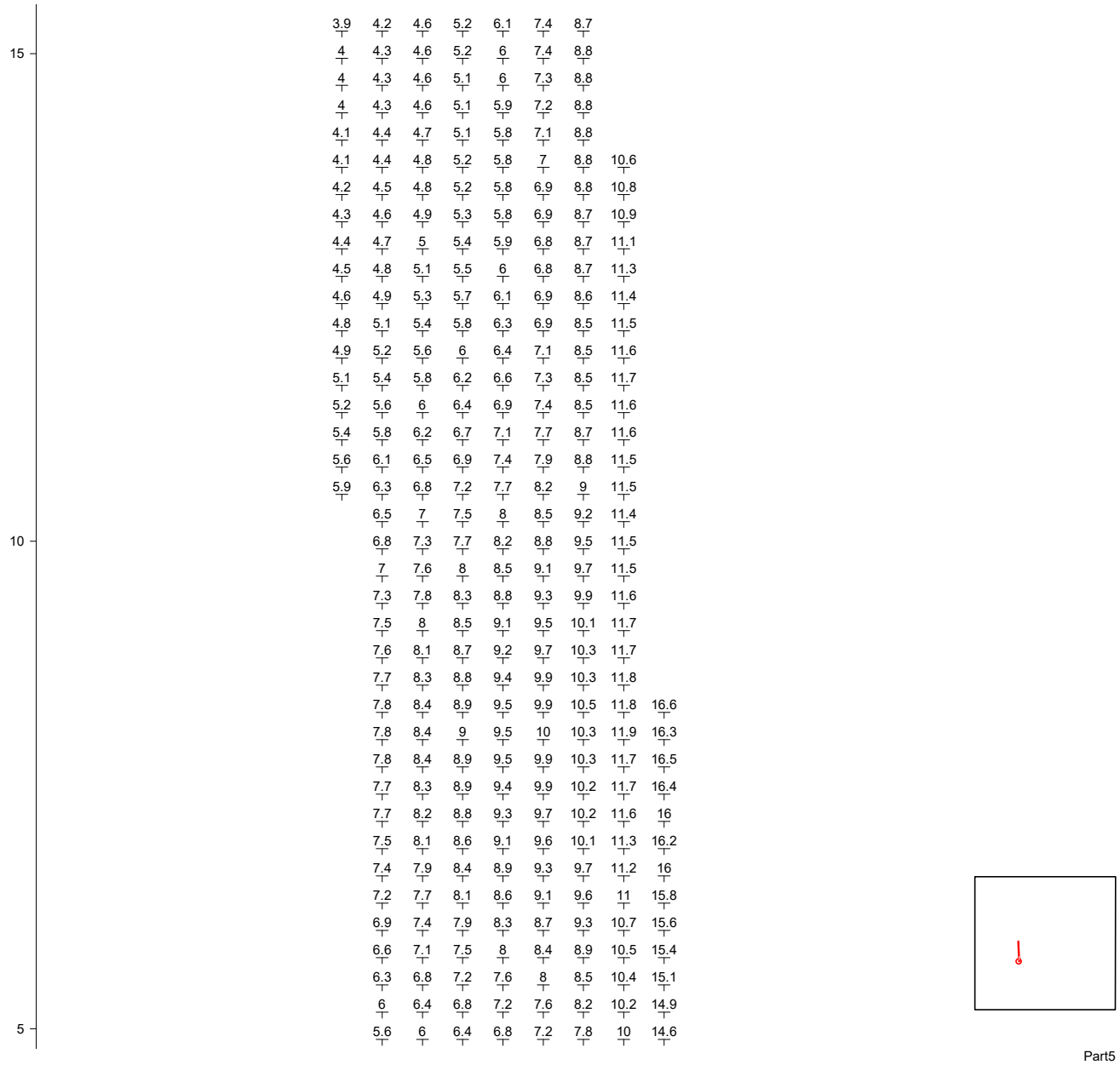


Part4

1.2 Calculation results, Exterior 1

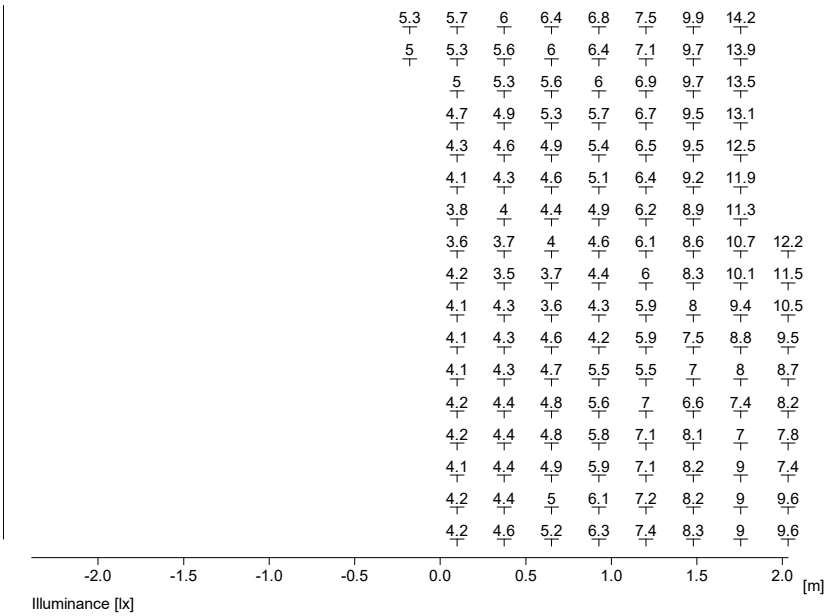
1.2.18 Table, Footpath 1 (E)

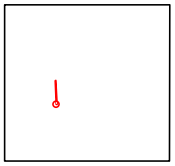
3.9	4.2	4.6	5.2	6.1	7.4	8.7		
4	4.3	4.6	5.2	6	7.4	8.8		
4	4.3	4.6	5.1	6	7.3	8.8		
4	4.3	4.6	5.1	5.9	7.2	8.8		
4.1	4.4	4.7	5.1	5.8	7.1	8.8		
4.1	4.4	4.8	5.2	5.8	7	8.8	10.6	
4.2	4.5	4.8	5.2	5.8	6.9	8.8	10.8	
4.3	4.6	4.9	5.3	5.8	6.9	8.7	10.9	
4.4	4.7	5	5.4	5.9	6.8	8.7	11.1	
4.5	4.8	5.1	5.5	6	6.8	8.7	11.3	
4.6	4.9	5.3	5.7	6.1	6.9	8.6	11.4	
4.8	5.1	5.4	5.8	6.3	6.9	8.5	11.5	
4.9	5.2	5.6	6	6.4	7.1	8.5	11.6	
5.1	5.4	5.8	6.2	6.6	7.3	8.5	11.7	
5.2	5.6	6	6.4	6.9	7.4	8.5	11.6	
5.4	5.8	6.2	6.7	7.1	7.7	8.7	11.6	
5.6	6.1	6.5	6.9	7.4	7.9	8.8	11.5	
5.9	6.3	6.8	7.2	7.7	8.2	9	11.5	
	6.5	7	7.5	8	8.5	9.2	11.4	
	6.8	7.3	7.7	8.2	8.8	9.5	11.5	
	7	7.6	8	8.5	9.1	9.7	11.5	
	7.3	7.8	8.3	8.8	9.3	9.9	11.6	
	7.5	8	8.5	9.1	9.5	10.1	11.7	
	7.6	8.1	8.7	9.2	9.7	10.3	11.7	
	7.7	8.3	8.8	9.4	9.9	10.3	11.8	
	7.8	8.4	8.9	9.5	9.9	10.5	11.8	16.6
	7.8	8.4	9	9.5	10	10.3	11.9	16.3
	7.8	8.4	8.9	9.5	9.9	10.3	11.7	16.5
	7.7	8.3	8.9	9.4	9.9	10.2	11.7	16.4
	7.7	8.2	8.8	9.3	9.7	10.2	11.6	16
	7.5	8.1	8.6	9.1	9.6	10.1	11.3	16.2
	7.4	7.9	8.4	8.9	9.3	9.7	11.2	16
	7.2	7.7	8.1	8.6	9.1	9.6	11	15.8
	6.9	7.4	7.9	8.3	8.7	9.3	10.7	15.6
	6.6	7.1	7.5	8	8.4	8.9	10.5	15.4
	6.3	6.8	7.2	7.6	8	8.5	10.4	15.1
	6	6.4	6.8	7.2	7.6	8.2	10.2	14.9
	5.6	6	6.4	6.8	7.2	7.8	10	14.6



1.2 Calculation results, Exterior 1

1.2.18 Table, Footpath 1 (E)

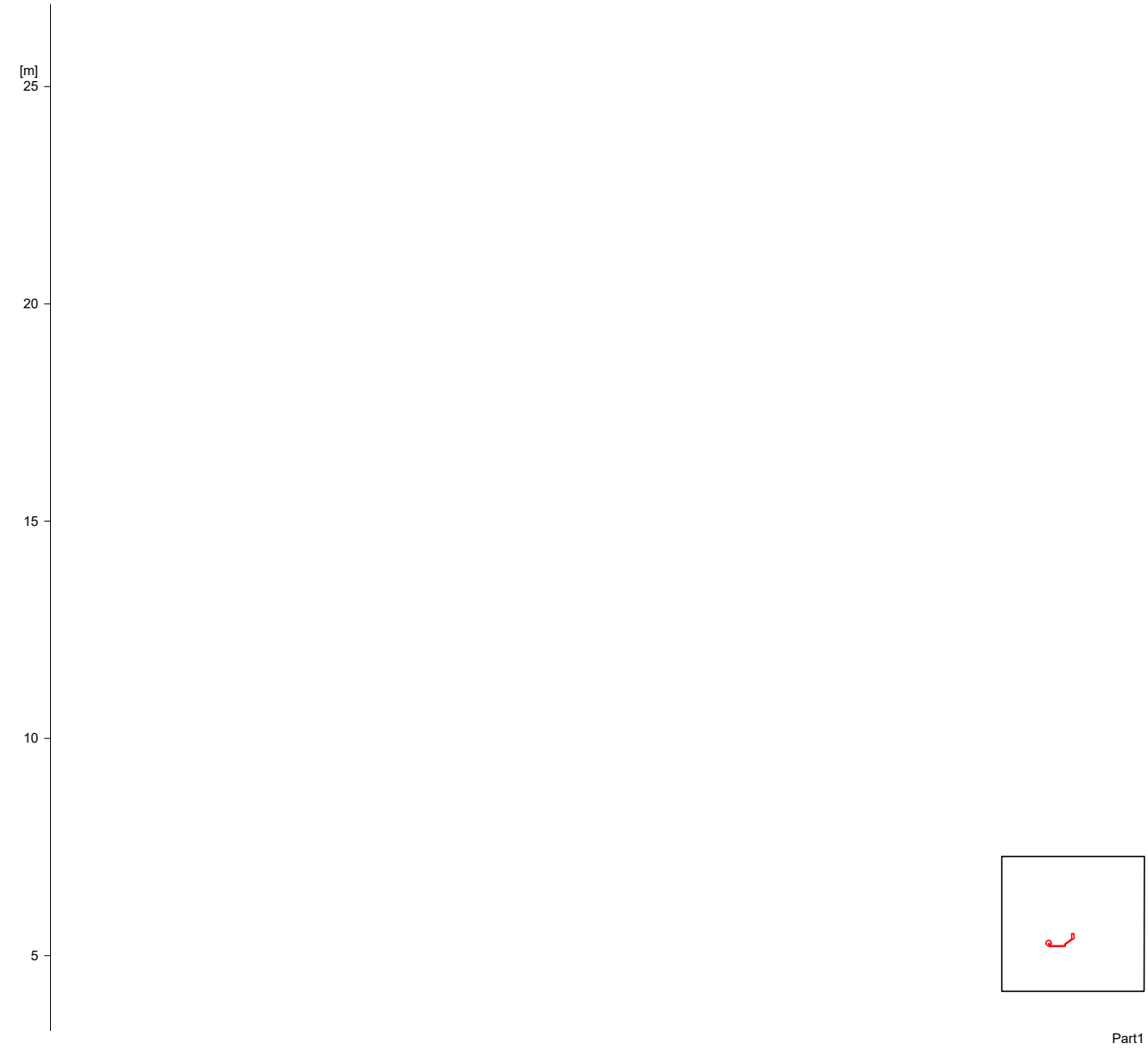




Part6

1.2 Calculation results, Exterior 1

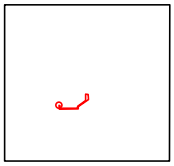
1.2.19 Table, Footpath 2 (E)



Height reference plane		: 0.00 m
Average illuminance	Em	: 18 lx
Minimum illuminance	Emin	: 2 lx
Maximum illuminance	Emax	: 115 lx
Uniformity Uo	Emin/Em	: 1 : 8.45 (0.12)
Diversity Ud	Emin/Emax	: 1 : 54.69 (0.02)

1.2 Calculation results, Exterior 1

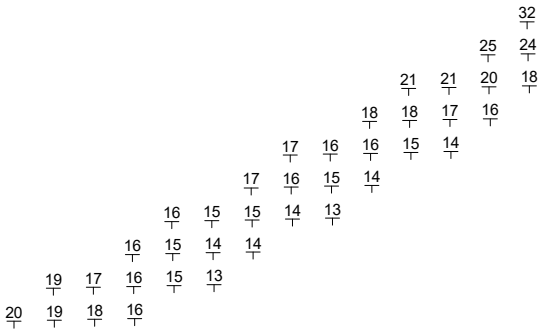
1.2.19 Table, Footpath 2 (E)



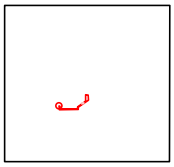
Part2

1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)



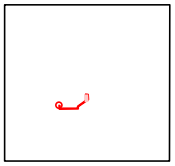
Part3



1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)

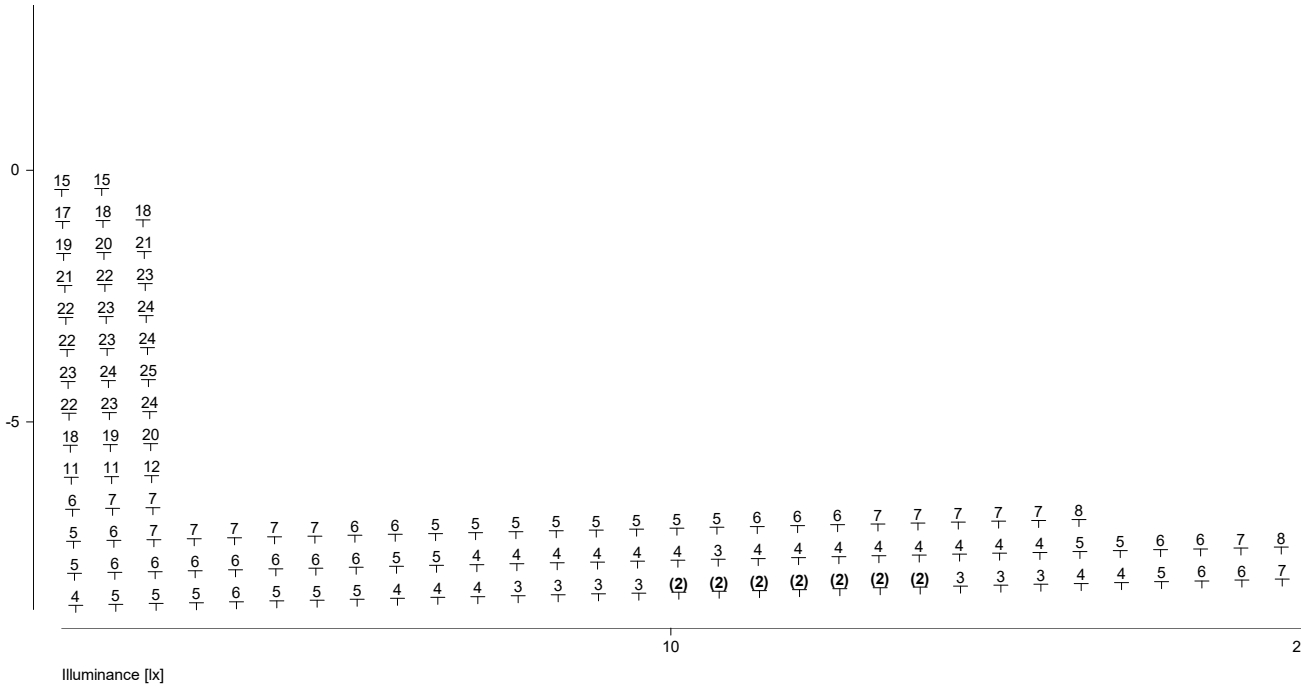
16	12	10	8	8	7					
16	12	9	8	8	7	6	6	6	6	
15	12	9	8	7	7	6	5	6	6	
15	11	9	8	7	6	6	5	6	6	
14	11	9	8	7	6	6	5	6	6	
14	11	9	8	7	6	6	5	6	6	
14	11	9	9	7	7	6	5	6	5	
14	12	10	9	8	7	6	5	6	5	
16	13	11	10	8	7	6	5	6	5	
17	14	13	11	9	8	6	5	6	5	
23	20	16	14	12	10	8	7	7	6	5
26	22	19	16	14	12	9	7	7	6	5
29	25	21	18	16	13	10	8	7	6	4
32	28	24	21	18	15	11	8	7	5	4
34	30	27	24	20	16	12	8	7	5	4
37	34	31	27	23	18	13	9	7	5	4
41	39	35	31	26	20	14	9	7	5	4
48	46	42	36	30	22	15	9	6	4	4
57	56	52	43	34	25	16	9	6	4	3
69	68	64	51	39	27	17	9	6	4	3
86	82	74	57	42	29	18	9	6	4	
103	94	80	60	43	31	19	9			
112	100	86	62	44	32	19				
[115]	104	90	64	44						
111	101	87	62							
46	81	103	93	80						
36	36	69	86							
29	27	28	55							
22	20									
17										

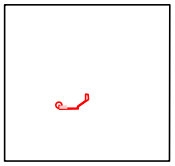


Part4

1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)

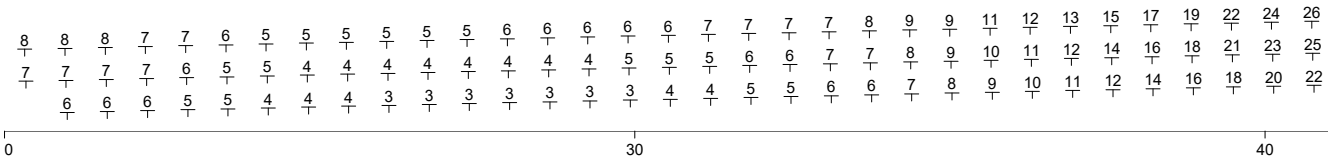


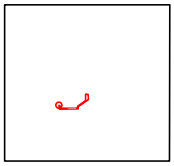


Part5

1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)

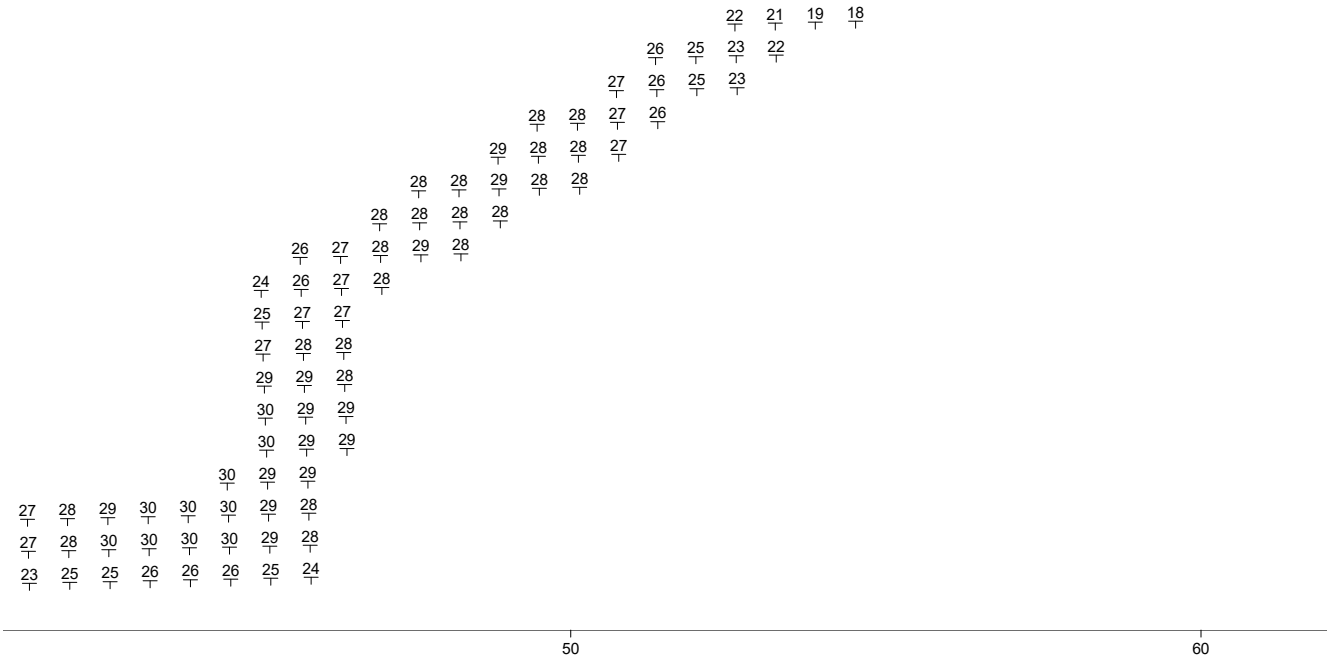


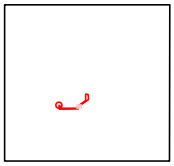


Part6

1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)



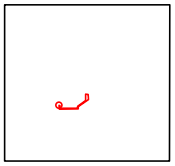


Part7

1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)

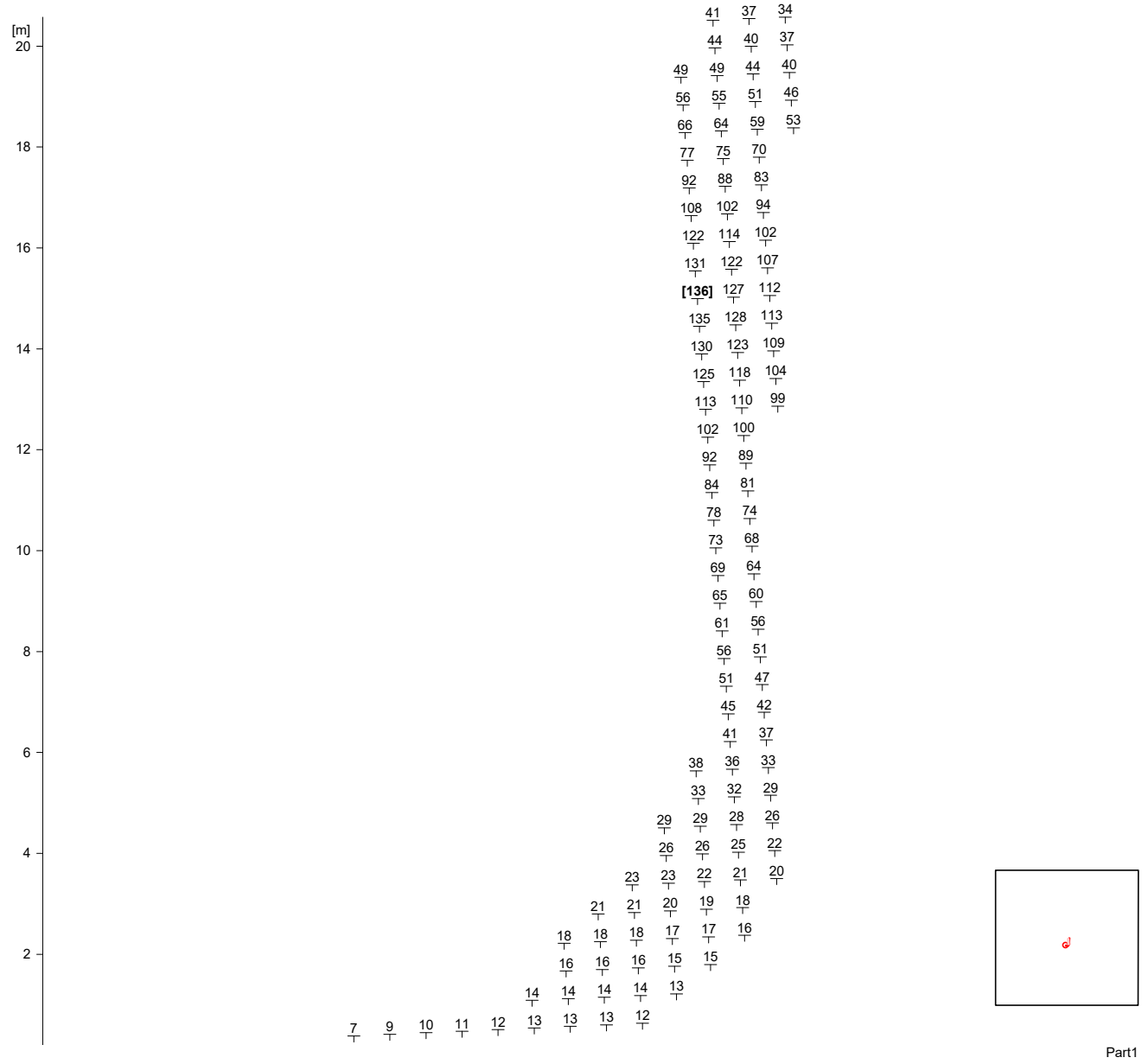




Part8

1.2 Calculation results, Exterior 1

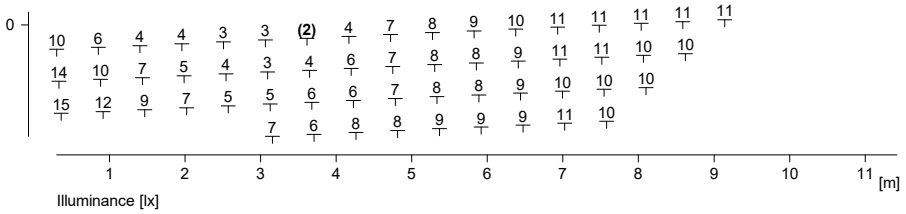
1.2.20 Table, Footpath 3 (E)

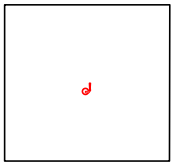


Height reference plane		: 0.00 m
Average illuminance	Em	: 40 lx
Minimum illuminance	Emin	: 2 lx
Maximum illuminance	Emax	: 136 lx
Uniformity Uo	Emin/Em	: 1 : 17.20 (0.06)
Diversity Ud	Emin/Emax	: 1 : 58.16 (0.02)

1.2 Calculation results, Exterior 1

1.2.20 Table, Footpath 3 (E)





Part2

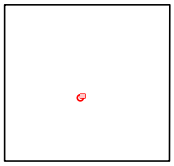
1.2 Calculation results, Exterior 1

1.2.21 Table, Charging Points (E)

[m]	1	2	3	4	5	6	7	8	9	10
9	171	169	107	64	56	81	139	174	128	65
8	148	146	97	60	53	74	122	149	112	59
7	92	91	69	50	45	56	77	87	70	43
6	60	58	49	41	38	42	49	52	44	32
5	49	47	43	37	36	37	40	40	35	**(28)**
4	58	56	48	41	39	42	48	50	43	33
3	89	86	66	49	46	56	75	84	69	45
2	142	140	94	61	55	75	119	144	110	63
1	174	172	110	67	60	86	147	**[183]**	136	73

[m]

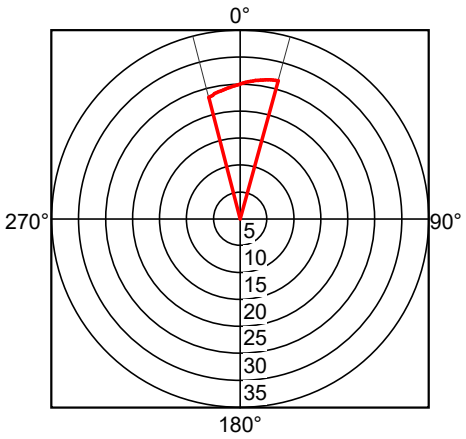
Illuminance [lx]

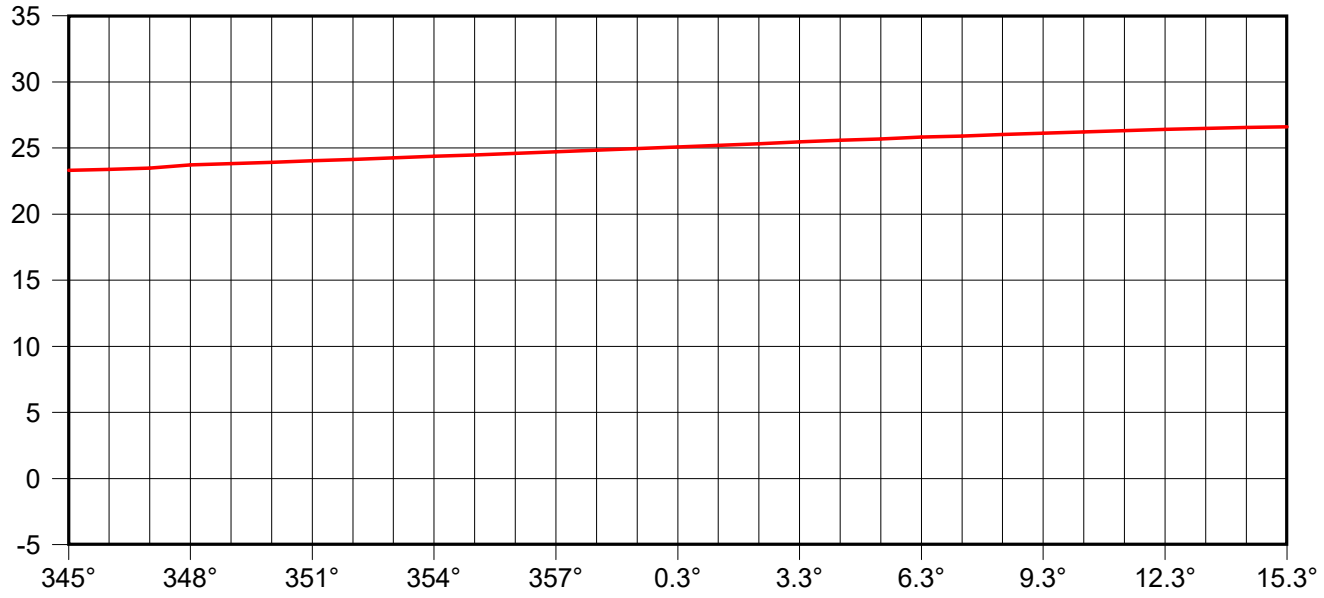


Height reference plane		: 0.17 m
Average illuminance	Em	: 78 lx
Minimum illuminance	Emin	: 28 lx
Maximum illuminance	Emax	: 183 lx
Uniformity Uo	Emin/Em	: 1 : 2.82 (0.35)
Diversity Ud	Emin/Emax	: 1 : 6.60 (0.15)

1.2 Calculation results, Exterior 1

1.2.22 Glare Rating (UGR) - Ramp

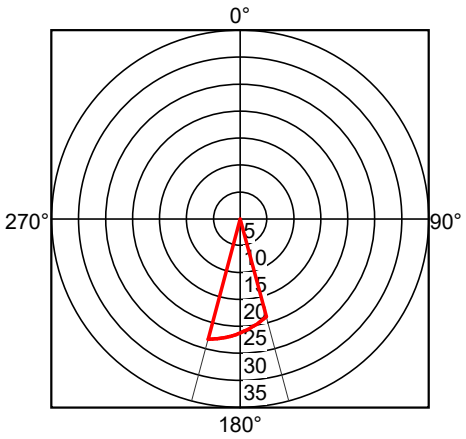


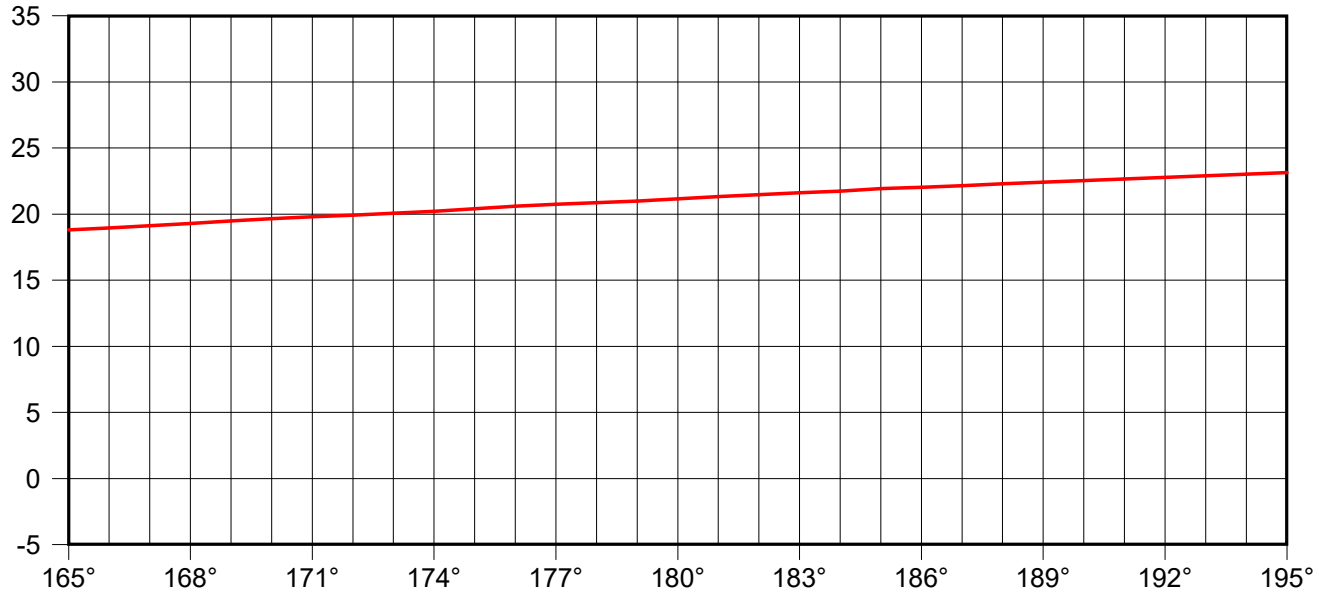


Observer location	: x = 159.91 m, y = 174.27 m, z = 1.60 m : 0.34° (0.01, 1.00, 0.00)
Maximum degree of glare	: 26.6

1.2 Calculation results, Exterior 1

1.2.23 Glare Rating (UGR) - Entrance

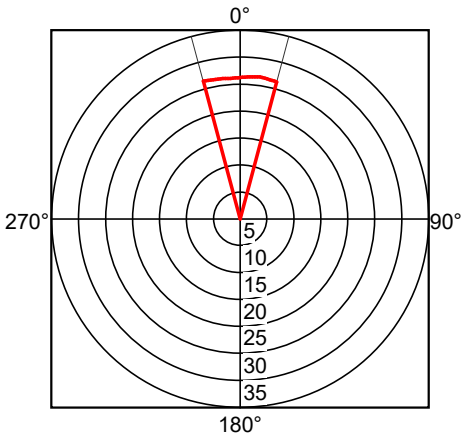


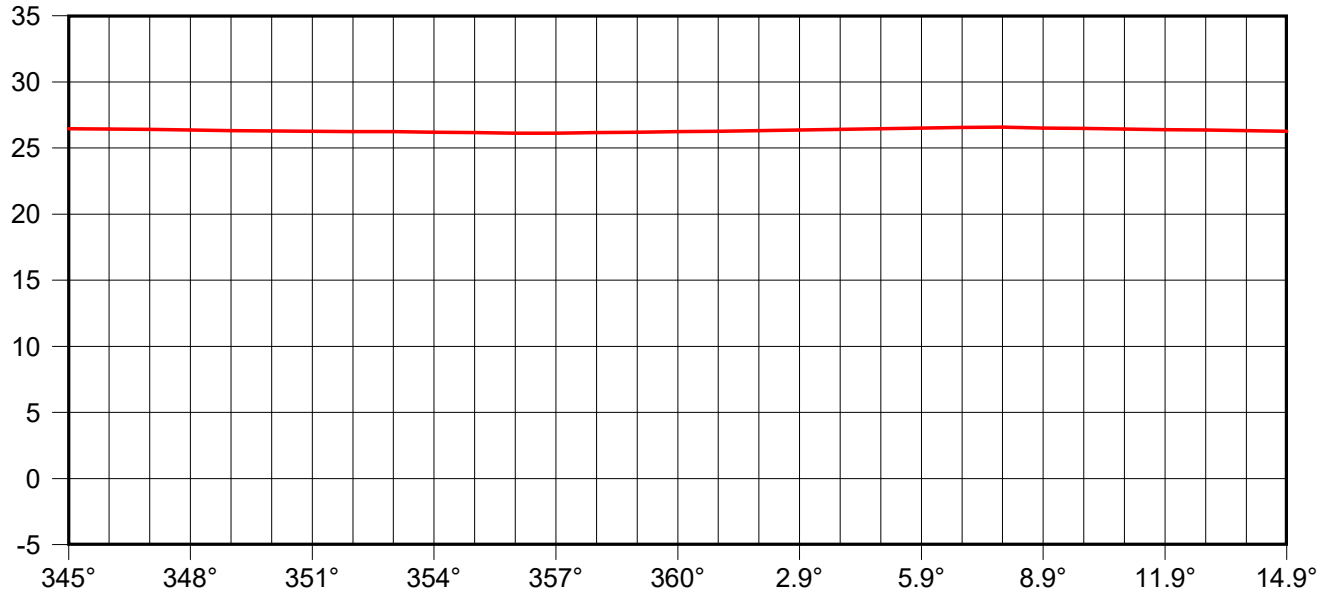


Observer location	: x = 195.09 m, y = 164.49 m, z = 1.60 m : 180.07° (-0.00, -1.00, 0.00)
Maximum degree of glare	: 23.1

1.2 Calculation results, Exterior 1

1.2.24 Glare Rating (UGR) - Exit





Observer location	: x = 203.12 m, y = 175.97 m, z = 1.60 m : 359.91° (-0.00, 1.00, 0.00)
Maximum degree of glare	: 26.6

1 Exterior 1

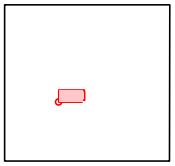
1.3 Calculation results, Exterior 1

1.3.1 Table, Emergency area 11 (E)

[m]																										
27.5	5.8	5.5	2.7	1.1	(0.6)	(0.6)	1	2.2	6	10.5	4.3	1.4	0.9	1.2	3.3	9.2	6.9	3.1	1.9	1.8	2.3	3.3	2.5	1.5	1.1	1.3	2.7
25.0	1.4	1.5	1.1	0.7	(0.6)	0.8	1.3	3.6	10	14.7	5.4	1.7	1.1	1.6	4.7	15.2	10.2	3.3	1.6	1.5	2	2.7	2.8	1.9	1.2	1.5	4.6
22.5	0.7	0.8	0.8	0.7	0.9	1.3	1.8	3.3	7.4	9.6	4.1	1.8	1.7	1.9	3.8	10.5	7.1	2.5	1.8	2.1	3.5	6.8	8.5	4	1.5	1.5	4.2
20.0	1	1.5	1.4	1.2	1.7	3.4	4.2	2.6	2.4	2.6	2.2	2.8	4.6	3.1	2.2	2.7	2.5	2.3	3.5	4.8	7.4	17.2	10.7	3.8	1.5	1.4	2.5
17.5	2.8	5.2	3.8	2.1	4.1	9.1	10.1	3.5	1.6	1.4	2.3	6	12.6	6.3	2.1	1.4	1.6	3.1	9.2	10.9	8.5	11.3	6.9	2.7	1.3	1.5	3.7
15.0	9.1	13	7.5	2.9	6.2	13.9	14.2	4	1.5	1.3	2.6	8.4	[19.2]	8.3	2.1	1.3	1.5	3.9	15.5	15	6	3.7	2.8	1.7	1.2	1.5	5
12.5	8.5	11.9	6.8	2.4	2.7	4.3	4.4	2.3	1.6	1.7	2	3.4	5.3	3.4	1.9	1.6	1.7	2.5	4.7	5	3.8	3.7	3.3	1.9	1.2	1.3	2.6
10.0	2.5	3	2.1	1.3	1.3	1.5	1.6	2	3.3	4.1	2.7	1.9	1.7	1.7	2.5	4.2	3.5	2.2	2	2.4	4.8	12.2	9.4	3.7	1.4	1.3	2.4
7.5	1	1.1	0.9	0.8	0.8	0.9	1.3	3.1	9.4	16.7	5.9	1.8	1.3	1.6	4.8	16.2	10.8	3.5	1.7	1.9	5.1	15.3	11.5	4.3	1.5	1.5	4.4
5.0	0.7	0.8	0.9	0.9	1	1.1	1.4	3.5	9.2	12.1	5	1.9	1.3	1.6	4.3	13.2	9.3	3.3	1.7	1.5	2.8	6.4	4.4	2.2	1.5	1.7	4.2
2.5	1.4	2	1.9	1.8	2.3	2.4	1.8	2.7	4.7	4.3	3.4	3	2.1	1.5	2.4	5.3	4.6	3.3	2.6	1.7	1.6	2	1.9	2.1	2.5	2.4	2.9
	4.3	8.2	6.3	4.1	8.1	9.6	3	1.5	1.7	2.4	5.5	11.2	5.1	1.7	1.3	2	3.6	9.1	8.3	3.6	1.4	1.1	1.7	4.8	8.7	7.4	2.5
	8.1	13.8	9.2	6.9	12.3	11.6	3.2	1.2	1.1	2.6	7.9	15.7	6.6	1.7	1	1.3	3.8	13.2	11.6	4.2	1.3	0.9	1.8	7	13.2	9.1	
	9	8.2	4.6	6.1	8.4	5.4	2	0.8	0.9	2.2	5.8	8.9	4.1	1.2	0.7	0.9	2.6	8.6	7	2.2	0.9	0.7	1.4	5.5	9.2	3.7	

5 10 15 20 25 30 35 40 45 50 55

Illuminance [lx]



Part1

Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 0.6 lx (* 0.6 lx)
Maximum illuminance	Emax	: 19 lx (* 22 lx)
Diversity	Emin/Emax	: 1 : 30.40 (0.03) (Threshold value 1:40) (* 1:39.20)
Height		: 0.2 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

*: Values on fine measuing grid (0.1m - 0.5m)!

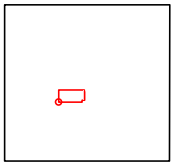
1 Exterior 1

1.3 Calculation results, Exterior 1

1.3.1 Table, Emergency area 11 (E)

5.8	9.2
12.6	13.6
10.2	9
4.5	5.7
8.9	10.5
15	13.7
4.9	4.9
4.3	4.2
12.3	13.2
10.8	10
5	3.3
1.5	1.1

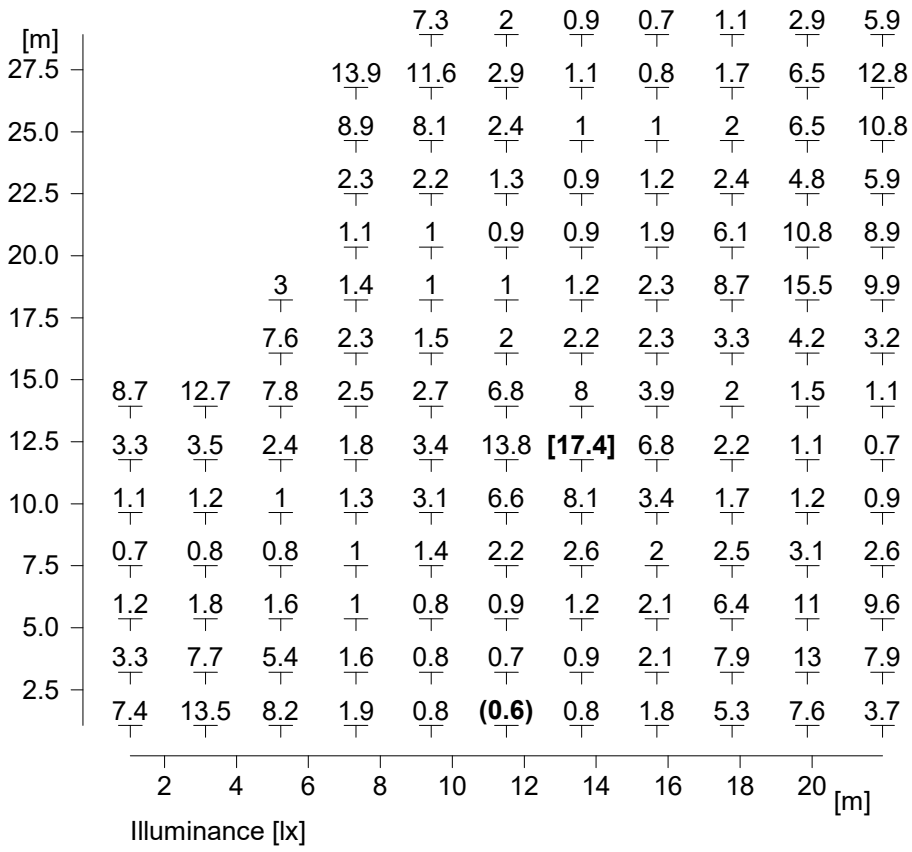
60 [m]

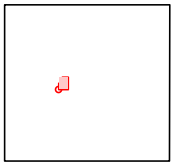


Part2

1.3 Calculation results, Exterior 1

1.3.2 Table, Emergency area 12 (E)





Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 0.6 lx (* 0.5 lx)
Maximum illuminance	Emax	: 17 lx (* 20 lx)
Diversity	Emin/Emax	: 1 : 29.90 (0.03) (Threshold value 1:40) (* 1:37.20)
Height		: 0.2 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

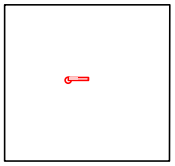
*: Values on fine measuing grid (0.1m - 0.5m)!

1.3 Calculation results, Exterior 1

1.3.3 Table, Emergency area 13 (E)

[m]																											
6	5.5	4	2.6	1.7	1.2	0.8	0.7	(0.6)	(0.6)	0.7	0.9	1.3	1.9	2.9	4.2	5.7	6.8	6.6	5.3	3.8	2.5	1.7	1.2	1	0.9	0.9	1	1.3
	8.9	5.9	3.6	2.2	1.4	1	0.7	0.7	0.7	0.8	1.1	1.6	2.6	4.2	6.7	9.6	11.6	11.2	8.6	5.7	3.5	2.2	1.5	1.1	1	1	1.2	1.5
5	12.6	7.9	4.5	2.6	1.6	1	0.8	0.7	0.7	0.9	1.2	1.9	3.2	5.6	9.6	14.4	17.6	16.7	12.3	7.6	4.4	2.6	1.7	1.3	1.1	1.2	1.3	1.6
	14.9	9	5	2.8	1.7	1.1	0.8	0.7	0.7	0.9	1.3	2.1	3.6	6.6	11.5	17.7	21.8	20.5	14.7	8.8	4.9	2.9	1.9	1.4	1.3	1.3	1.4	1.8
4	13.5	8.4	4.8	2.7	1.6	1.1	0.8	0.7	0.7	0.9	1.3	2	3.4	6.1	10.4	15.8	19.3	18.2	13.3	8.1	4.7	2.9	2	1.6	1.4	1.5	1.6	1.9
	9.2	6.1	3.8	2.3	1.5	1	0.8	0.7	0.7	0.9	1.2	1.8	2.8	4.7	7.6	10.8	12.5	11.7	9	6	3.8	2.6	2	1.7	1.7	1.7	1.8	2.1
3	5.9	4.2	2.8	1.9	1.3	0.9	0.7	0.7	0.7	0.8	1	1.5	2.3	3.5	5.1	6.7	7.5	7	5.6	4.1	3	2.4	2.1	2	2.1	2.2	2.3	2.4
	3.8	2.9	2.1	1.5	1.1	0.8	0.7	(0.6)	(0.6)	0.7	0.9	1.2	1.7	2.4	3.2	3.9	4.3	4.1	3.6	3	2.5	2.3	2.4	2.6	2.9	3	3.1	3
2	2.9	2.2	1.7	1.2	1	0.8	(0.6)	(0.6)	(0.6)	(0.6)	0.8	0.9	1.2	1.6	2	2.3	2.5	2.6	2.4	2.3	2.3	2.5	3	3.7	4.5	5	4.9	4.3
1																												
						5							10						15						20			

Illuminance [lx]



Part1

Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 0.6 lx (* 0.5 lx)
Maximum illuminance	Emax	: 45 lx (* 46 lx)
Diversity	Emin/Emax	: 1 : 78.20 (0.01) (Threshold value 1:40) (* 1:86.20)
Height		: 0.2 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

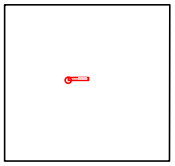
*: Values on fine measuing grid (0.1m - 0.5m)!

1.3 Calculation results, Exterior 1

1.3.3 Table, Emergency area 13 (E)

1.7	2.5	3.7	5.7	8.5	11.6	13.5	13	10.4	7.4	4.9	3.2	2.2	1.5	1.2	1	0.9	1	1.1	1.5	2.1	3	4.3	5.8	6.8	6.9	6	4.7	3.7
2	3.1	5	8.2	13.4	19.4	23.3	22.2	17.1	11.3	6.9	4.2	2.7	1.8	1.3	1.1	1	1.1	1.3	1.8	2.7	4.2	6.6	9.4	11.5	11.7	9.6	6.9	5
2.3	3.6	6.1	10.8	18.7	28.9	35.7	33.6	24.7	15.3	8.7	5	3	2	1.5	1.3	1.2	1.2	1.5	2.1	3.3	5.7	9.5	14.3	17.7	17.1	13.3	8.9	6.2
2.5	3.9	6.8	12.3	22.2	35.5	**[44.5]**	41.3	29.2	17.3	9.6	5.4	3.2	2.2	1.6	1.4	1.3	1.4	1.7	2.4	3.8	6.6	11.5	17.8	22	20.8	15.5	10	6.8
2.6	3.9	6.5	11.5	20.2	31.5	39.2	36.6	26.4	16.1	9.2	5.3	3.3	2.3	1.8	1.6	1.5	1.5	1.8	2.4	3.7	6.2	10.5	15.9	19.5	18.6	14	9.4	6.5
2.6	3.7	5.5	9	14.6	21.1	25.3	23.9	18.2	11.9	7.3	4.6	3.2	2.4	2	1.8	1.7	1.7	1.9	2.3	3.3	5	7.7	10.9	12.8	12.3	9.8	7.1	5.3
2.7	3.3	4.5	6.5	9.6	13	15.1	14.4	11.4	8.1	5.5	3.9	3	2.6	2.4	2.3	2.2	2.1	2.1	2.3	2.8	3.8	5.3	7	7.9	7.6	6.4	5	4.2
3	3.1	3.7	4.7	6.1	7.6	8.5	8.2	6.9	5.4	4.2	3.4	3.1	3	3.1	3.1	3	2.8	2.6	2.4	2.6	3	3.6	4.3	4.7	4.6	4.1	3.6	3.3
3.6	3.2	3.2	3.5	4.1	4.6	4.9	4.8	4.4	3.8	3.4	3.2	3.4	4	4.6	5	4.9	4.3	3.5	2.9	2.5	2.5	2.6	2.9	3	3	2.9	2.8	2.9

25 30 35 40 45 [m]



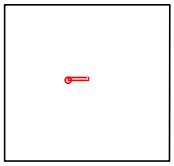
Part2

1.3 Calculation results, Exterior 1

1.3.3 Table, Emergency area 13 (E)

3.4	3.7	4.6	5.9
4.5	5.2	7.1	9.6
5.5	6.8	10	14.4
6.1	7.8	12.1	17.9
5.9	7.4	11	16
5	6	8.3	11.2
4.1	4.7	5.9	7.4
3.4	3.8	4.4	5.1
3.1	3.5	3.9	4.2

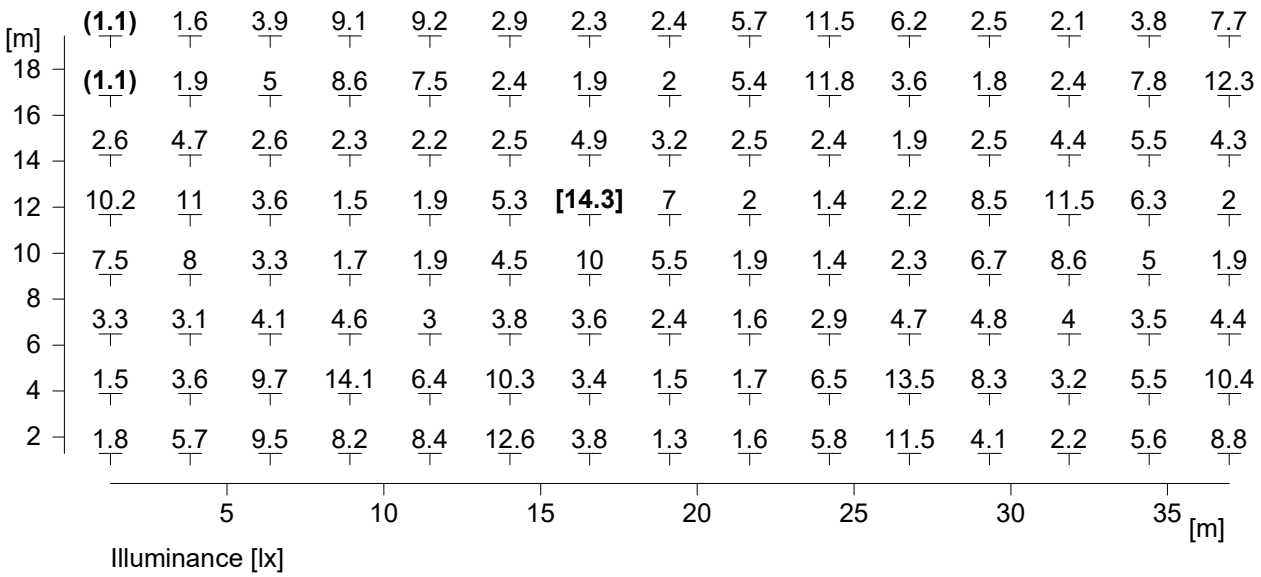
]

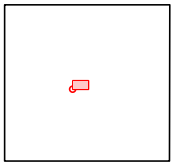


Part3

1.3 Calculation results, Exterior 1

1.3.4 Table, Emergency area 14 (E)





Required minimum illuminance : 0.5 lx

Minimum illuminance	Emin	: 1.1 lx (* 0.7 lx)
Maximum illuminance	Emax	: 14 lx (* 20 lx)
Diversity	Emin/Emax	: 1 : 12.70 (0.08) (Threshold value 1:40) (* 1:28.30)
Height		: 0.1 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

*: Values on fine measuing grid (0.1m - 0.5m)!

Campus West MSCP

Installation : Rev P06 50% output

Project number :
Customer :
Processed by :
Date : 09.11.2021

Lighting Design Service:

The Wirefield lighting design service is free of charge. Lighting designs are undertaken in accordance with any information supplied to us. Wirefield will not be held responsible for inaccurate, incomplete or out of date information which the design is based on.

It remains the responsiblity of the client to check the design meets the requirements of the project and any apllicable standards.

Where an emergency design has been requested it will be designed in accordance with BS5266-1,7_8. However this will be subject to a risk assessment by the relevant partyy, in addition to coverage of related points such as firefighting equipment and alarm call points. As a result, the design is limited until this infromation is provided.

In addition to the above, any assumptions will be outlined in any correspondance with the customer; if any assumptions are incorrect the lighting designer will need to be notified.

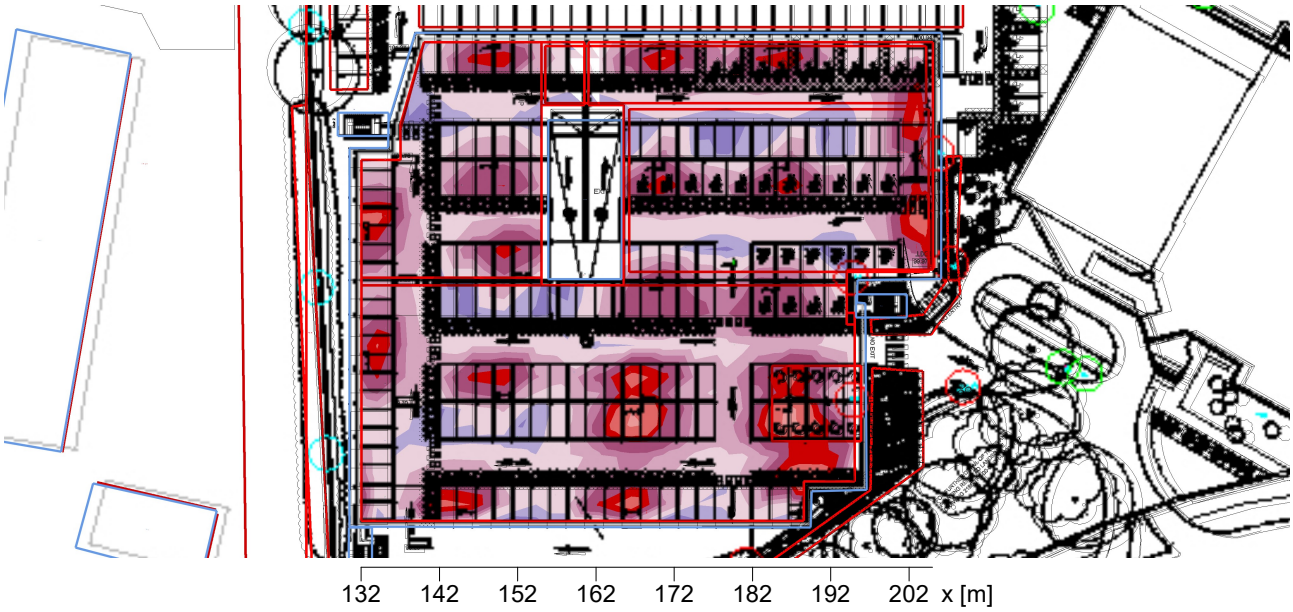
The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

1 Exterior 1

1.1 Summary, Exterior 1

1.1.1 Result overview, Upper deck





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	3.10 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	7.32 lx
Minimum illuminance	Emin	1.61 lx
Maximum illuminance	Emax	31 lx
Uniformity Uo	Emin/Em	1:4.54 (0.22)
Diversity Ud	Emin/Emax	1:19.2 (0.05)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1 Exterior 1

1.1 Summary, Exterior 1

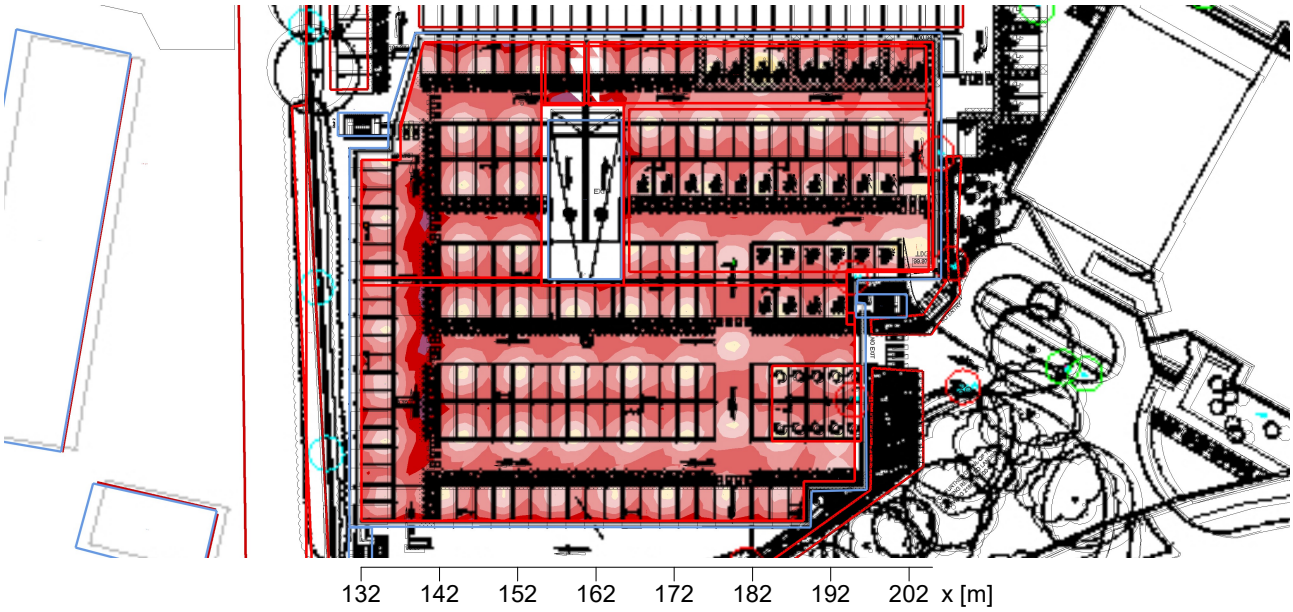
1.1.1 Result overview, Upper deck

WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.2 Result overview, Lower deck





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.20 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	37.6 lx
Minimum illuminance	Emin	14 lx
Maximum illuminance	Emax	107 lx
Uniformity Uo	Emin/Em	1:2.68 (0.37)
Diversity Ud	Emin/Emax	1:7.65 (0.13)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

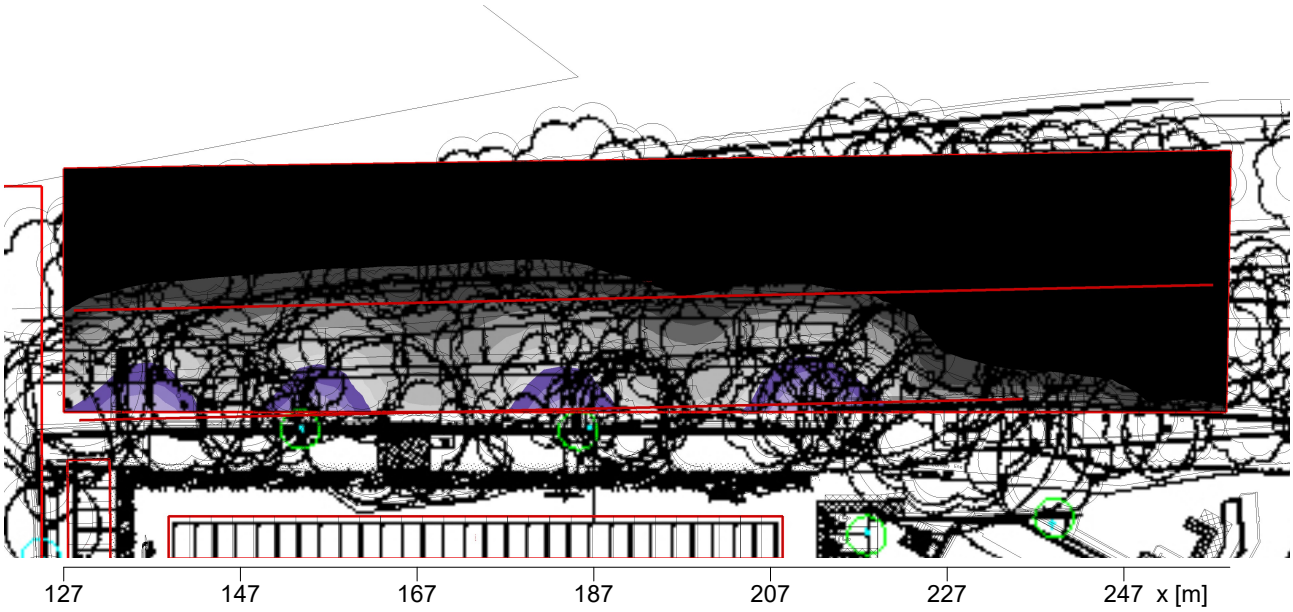
1.1.2 Result overview, Lower deck

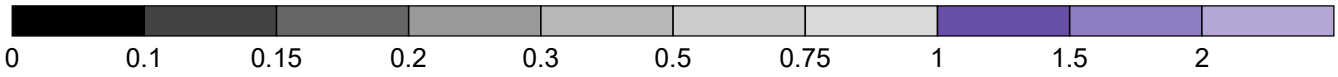
WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.3 Result overview, Spill lighting north





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	0.22 lx
Minimum illuminance	Emin	0.01 lx
Maximum illuminance	Emax	2.81 lx
Uniformity Uo	Emin/Em	1:27.1 (0.04)
Diversity Ud	Emin/Emax	1:348 (0)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

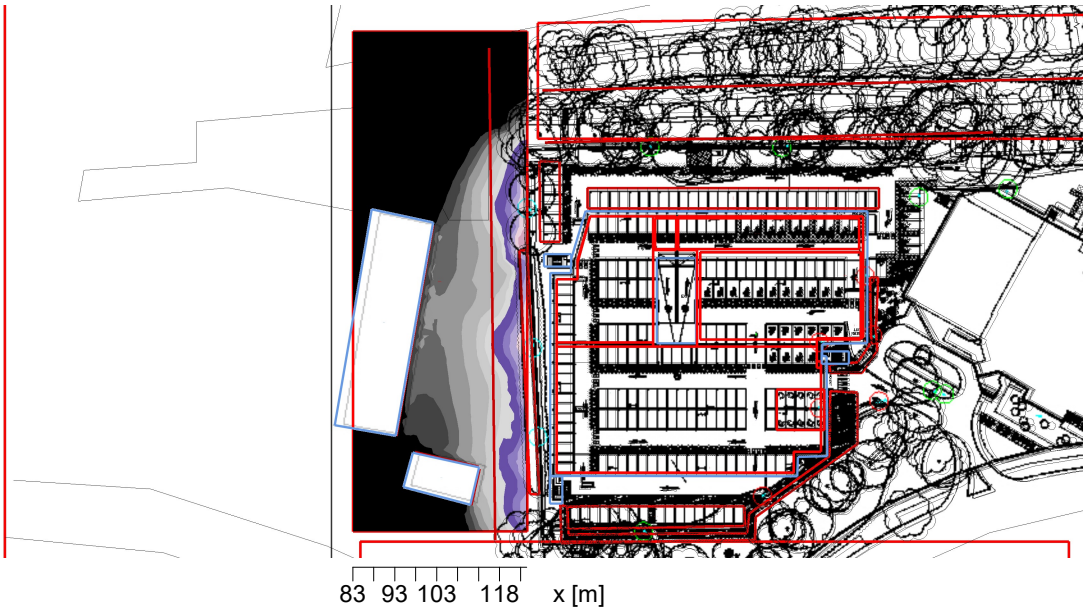
1.1.3 Result overview, Spill lighting north

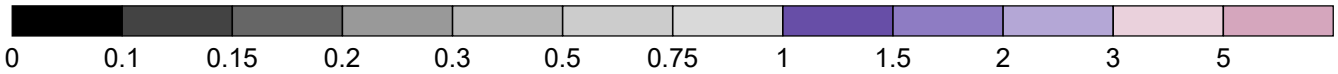
WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.4 Result overview, Spill lighting west





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	0.37 lx
Minimum illuminance	Emin	0 lx
Maximum illuminance	Emax	6.54 lx
Uniformity Uo	Emin/Em	1:--- (---)
Diversity Ud	Emin/Emax	1:--- (---)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

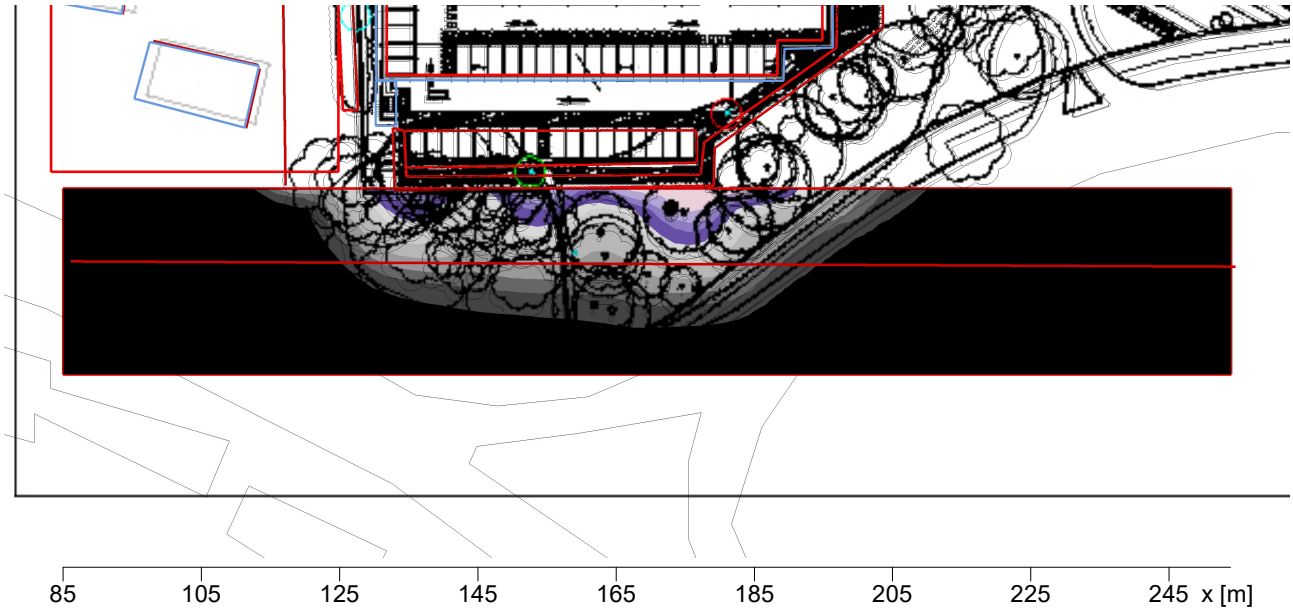
1.1.4 Result overview, Spill lighting west

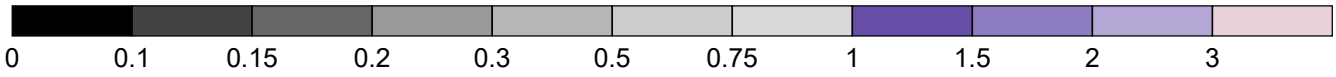
WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.5 Result overview, Spill lighting south





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	0.19 lx
Minimum illuminance	Emin	0 lx
Maximum illuminance	Emax	4.97 lx
Uniformity Uo	Emin/Em	1:--- (---)
Diversity Ud	Emin/Emax	1:--- (---)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

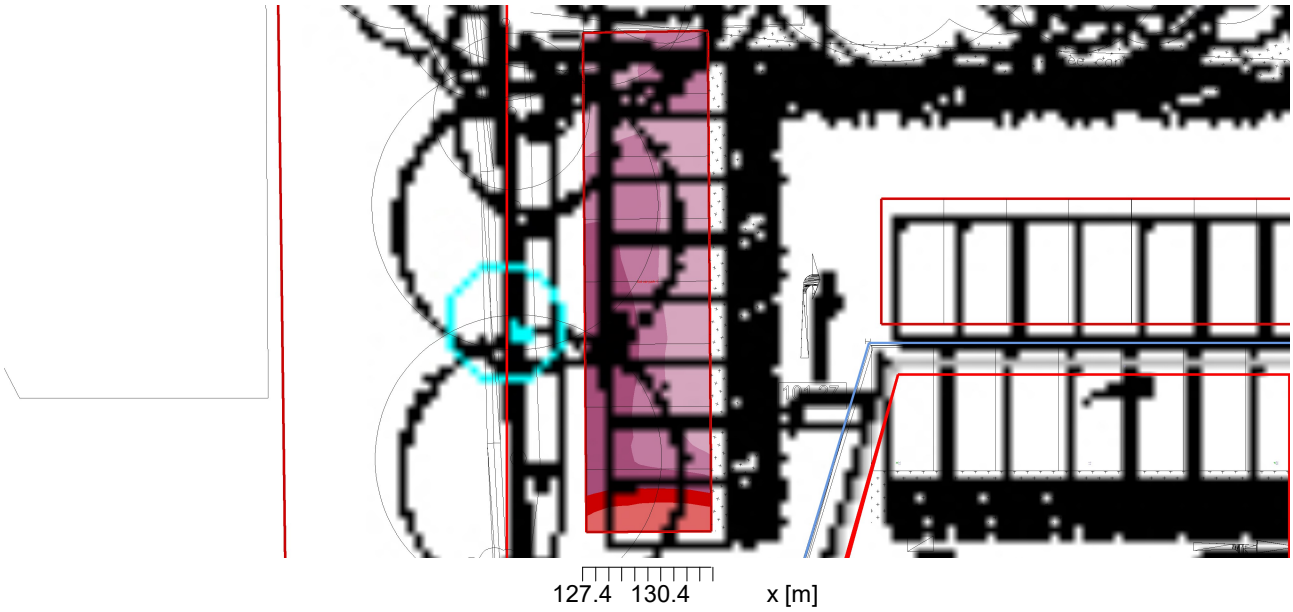
1.1.5 Result overview, Spill lighting south

WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.6 Result overview, Ext car park 1





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	9.14 lx
Minimum illuminance	Emin	5.26 lx
Maximum illuminance	Emax	25.5 lx
Uniformity Uo	Emin/Em	1:1.74 (0.58)
Diversity Ud	Emin/Emax	1:4.85 (0.21)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

1.1.6 Result overview, Ext car park 1

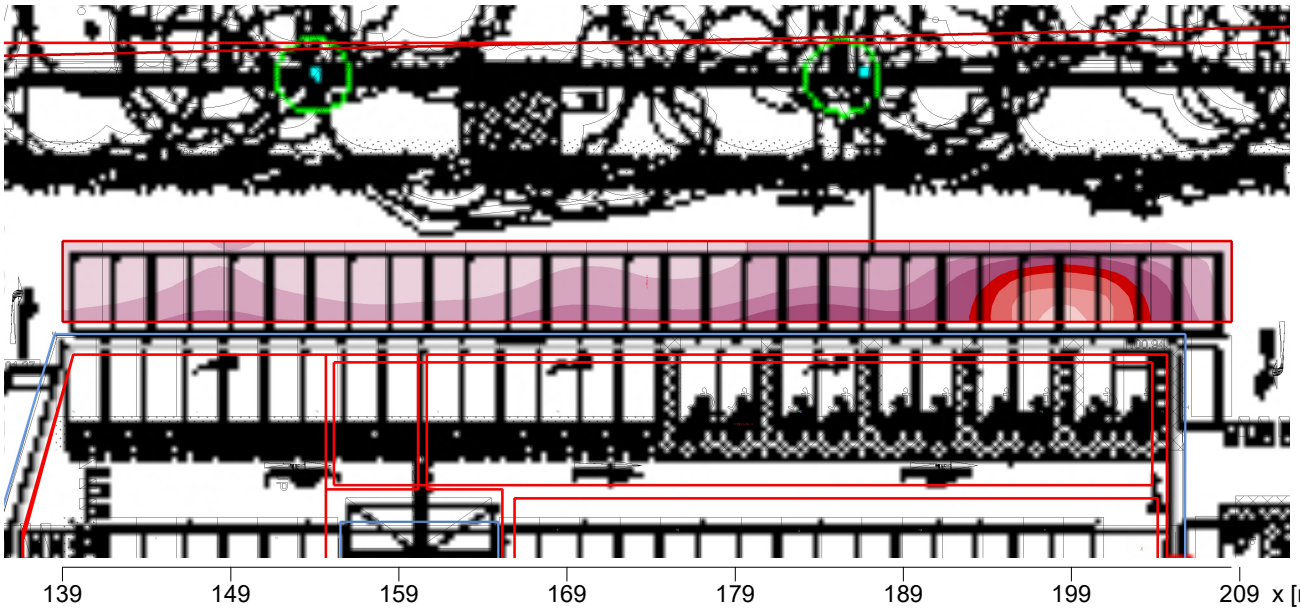
WIREFIELD Ltd

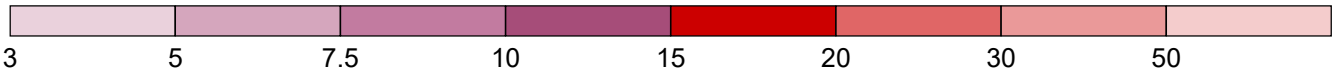
2 35
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

3 40
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.7 Result overview, Ext car park 2





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	7.84 lx
Minimum illuminance	Emin	3.32 lx
Maximum illuminance	Emax	53.2 lx
Uniformity Uo	Emin/Em	1:2.36 (0.42)
Diversity Ud	Emin/Emax	1:16 (0.06)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

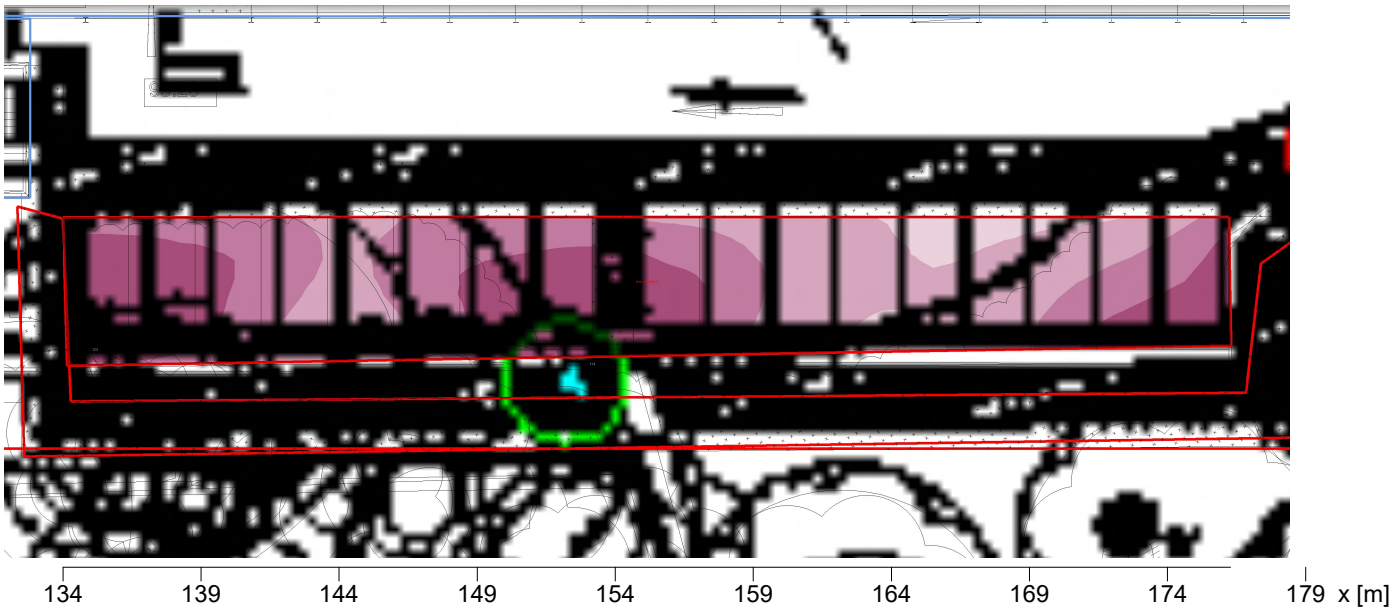
1.1.7 Result overview, Ext car park 2

WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.8 Result overview, Ext car park 3



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	8.26 lx
Minimum illuminance	Emin	4.44 lx
Maximum illuminance	Emax	14.6 lx
Uniformity Uo	Emin/Em	1:1.86 (0.54)
Diversity Ud	Emin/Emax	1:3.3 (0.3)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

1.1.8 Result overview, Ext car park 3

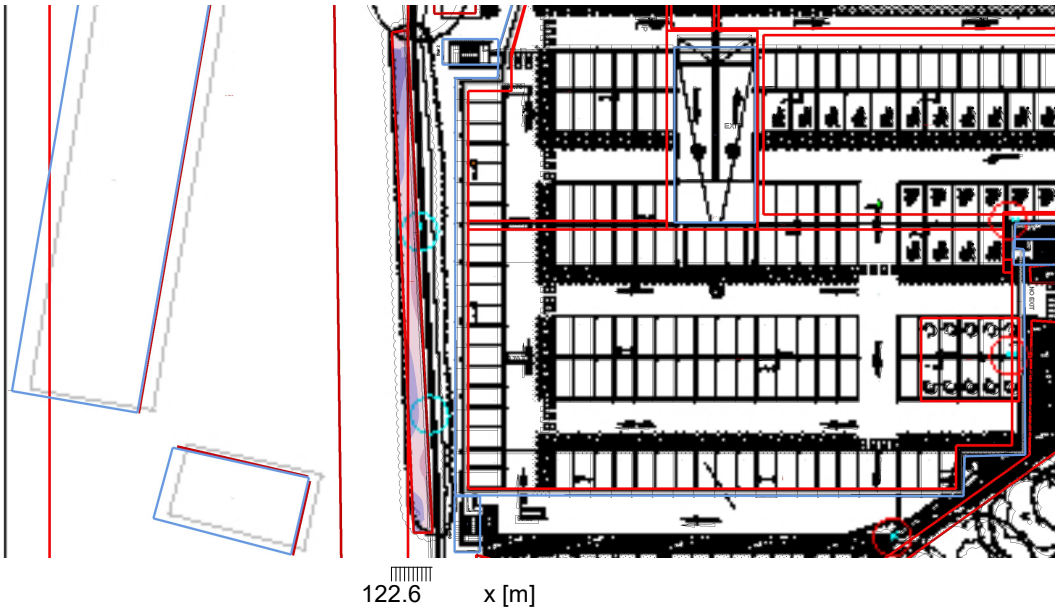
WIREFIELD Ltd

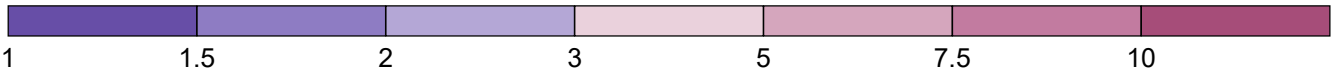
2 35
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

3 40
Order No. : GTB46 IP65 LED LINEAR SURFACE
Luminaire name : GTB46/3K
Equipment : 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.9 Result overview, Footpath 1





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	3.75 lx
Minimum illuminance	Emin	1.37 lx
Maximum illuminance	Emax	10.2 lx
Uniformity Uo	Emin/Em	1:2.73 (0.37)
Diversity Ud	Emin/Emax	1:7.46 (0.13)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

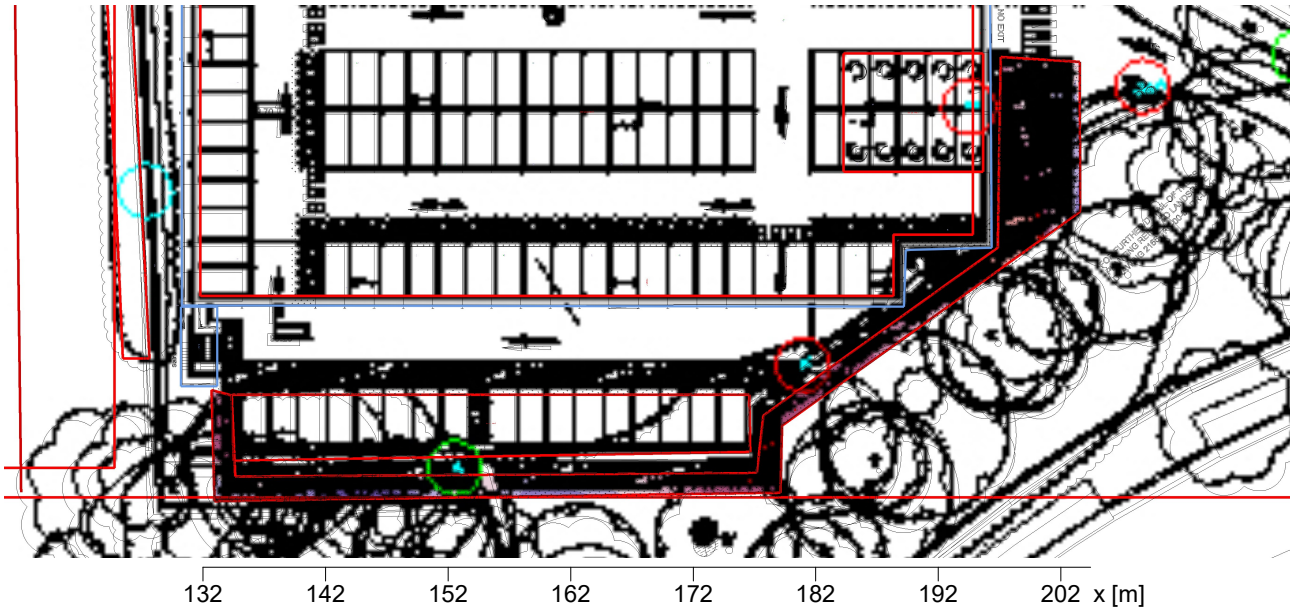
1.1.9 Result overview, Footpath 1

WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.10 Result overview, Footpath 2





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	8.9 lx
Minimum illuminance	Emin	1.06 lx
Maximum illuminance	Emax	57.7 lx
Uniformity Uo	Emin/Em	1:8.44 (0.12)
Diversity Ud	Emin/Emax	1:54.6 (0.02)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

1.1.10 Result overview, Footpath 2

WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.11 Result overview, Footpath 3





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	20.1 lx
Minimum illuminance	Emin	1.17 lx
Maximum illuminance	Emax	67.9 lx
Uniformity Uo	Emin/Em	1:17.2 (0.06)
Diversity Ud	Emin/Emax	1:58.1 (0.02)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

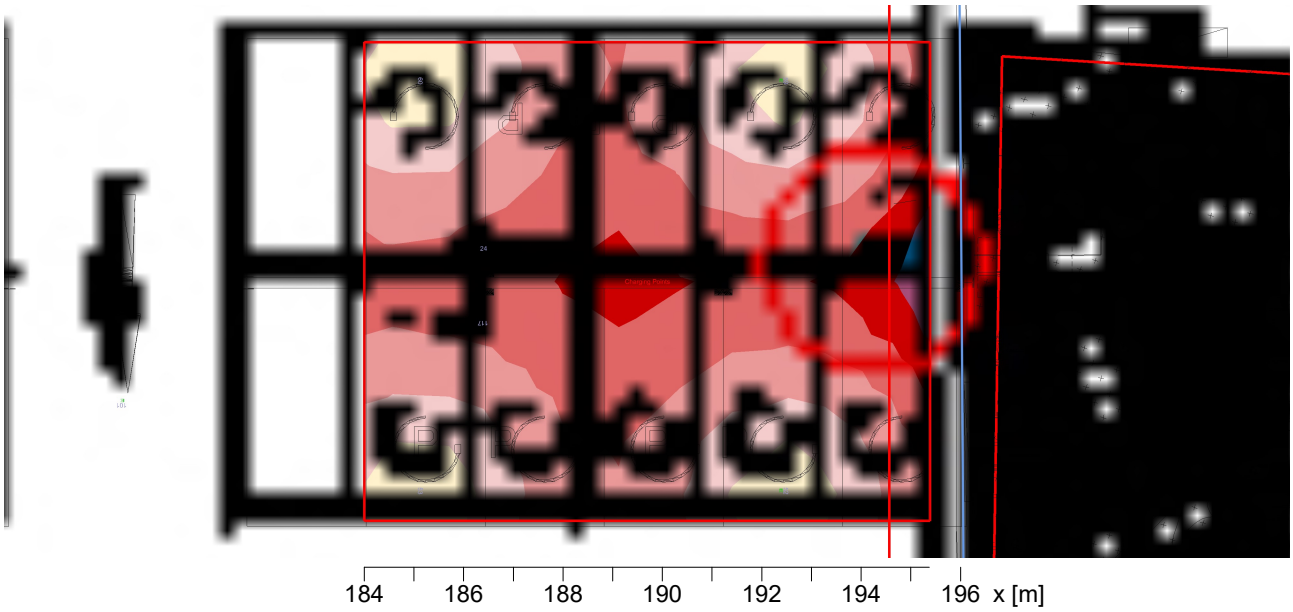
1.1.11 Result overview, Footpath 3

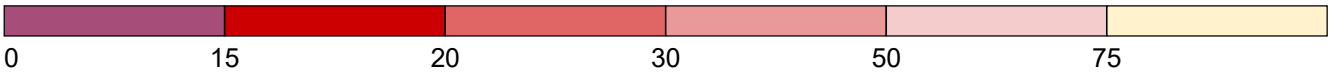
WIREFIELD Ltd

2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1.1 Summary, Exterior 1

1.1.12 Result overview, Charging Points





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.17 m
Maintenance factor	0.80
Total luminous flux of all lamps	255525 lm (dimmed to 50.00%)

(Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

Total power	4015 W
Total power per area (152285.00 m²)	0.03 W/m²
Upward light ratio (ULR)	0.00

Illuminance

Average illuminance	Em	39.1 lx
Minimum illuminance	Emin	13.8 lx
Maximum illuminance	Emax	91.5 lx
Uniformity Uo	Emin/Em	1:2.84 (0.35)
Diversity Ud	Emin/Emax	1:6.65 (0.15)

Type No.\Make

Wirefield Ltd

1 43 Order No. : STLED35-3K L04.LDT
Luminaire name : STLED35/3K/L04
Equipment : 1 x LED 35 W / 3750 lm

4 1 Order No. : STLED35-3K L01.LDT
Luminaire name : STLED35/3K/L01
Equipment : 1 x LED 35 W / 3750 lm

The ULR value has been calculated without obstruction by other objects.

1.1 Summary, Exterior 1

1.1.12 Result overview, Charging Points

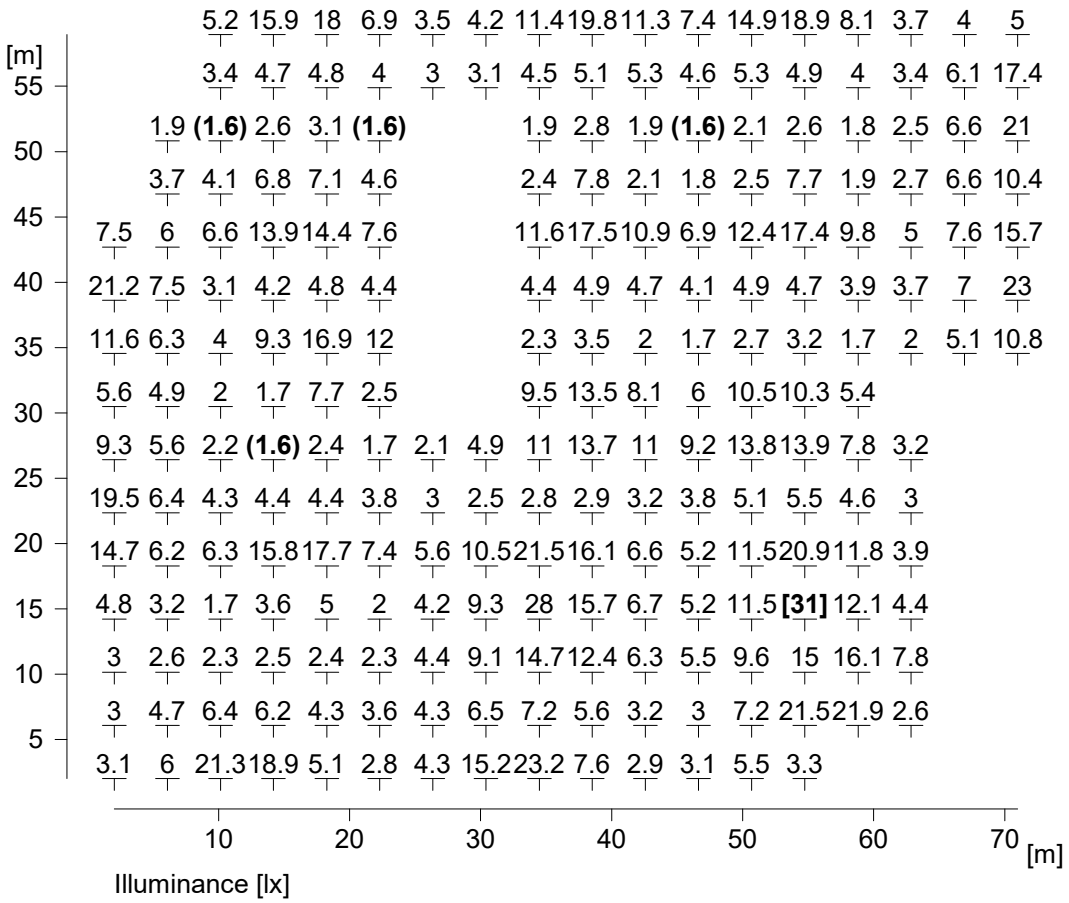
WIREFIELD Ltd

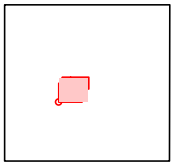
2	35	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm
3	40	Order No.	: GTB46 IP65 LED LINEAR SURFACE
		Luminaire name	: GTB46/3K
		Equipment	: 1 x LED PANELS 33 W / 4614 lm

1 Exterior 1

1.2 Calculation results, Exterior 1

1.2.1 Table, Upper deck (E)

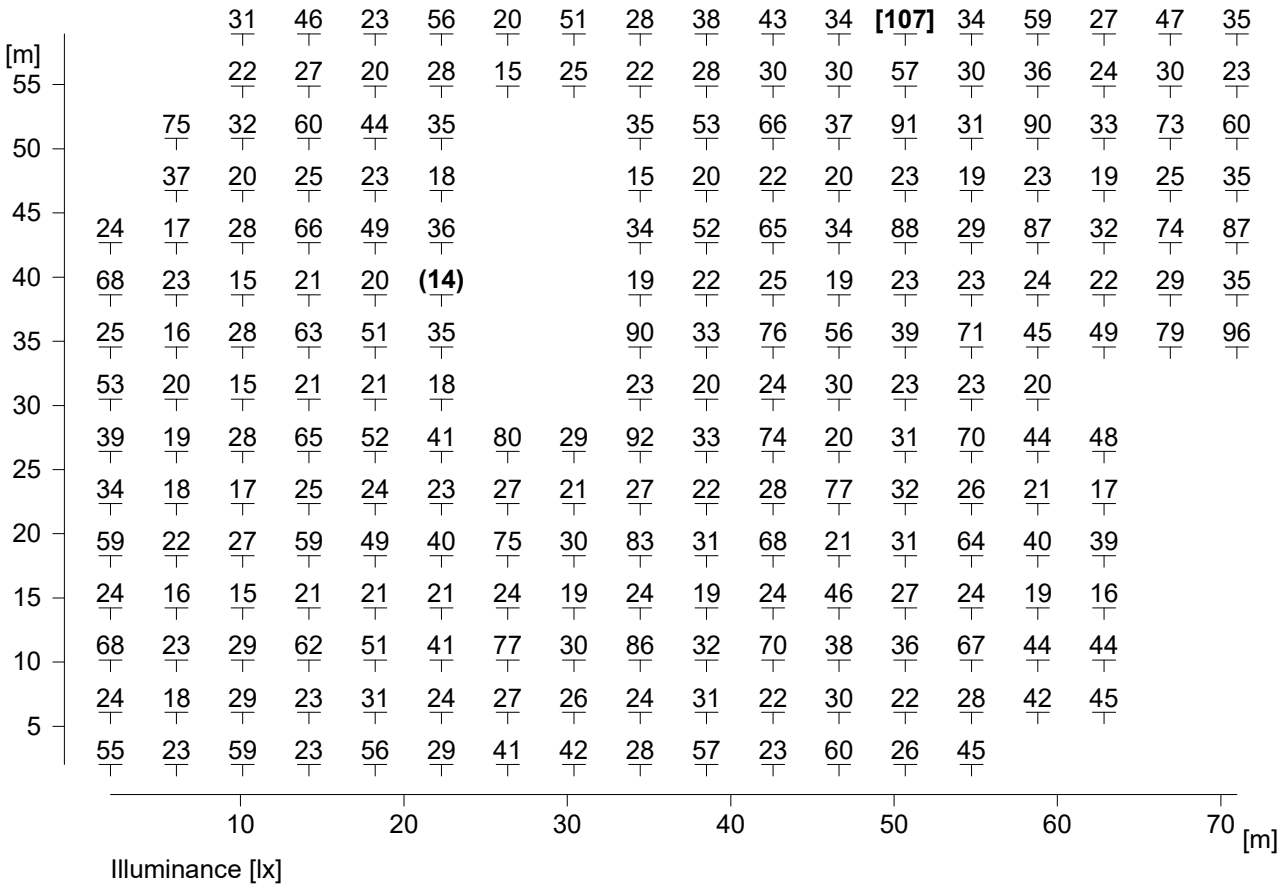


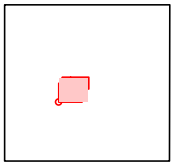


Height reference plane		: 3.10 m
Average illuminance	Em	: 7.3 lx
Minimum illuminance	Emin	: 1.6 lx
Maximum illuminance	Emax	: 31 lx
Uniformity Uo	Emin/Em	: 1 : 4.54 (0.22)
Diversity Ud	Emin/Emax	: 1 : 19.22 (0.05)

1.2 Calculation results, Exterior 1

1.2.2 Table, Lower deck (E)

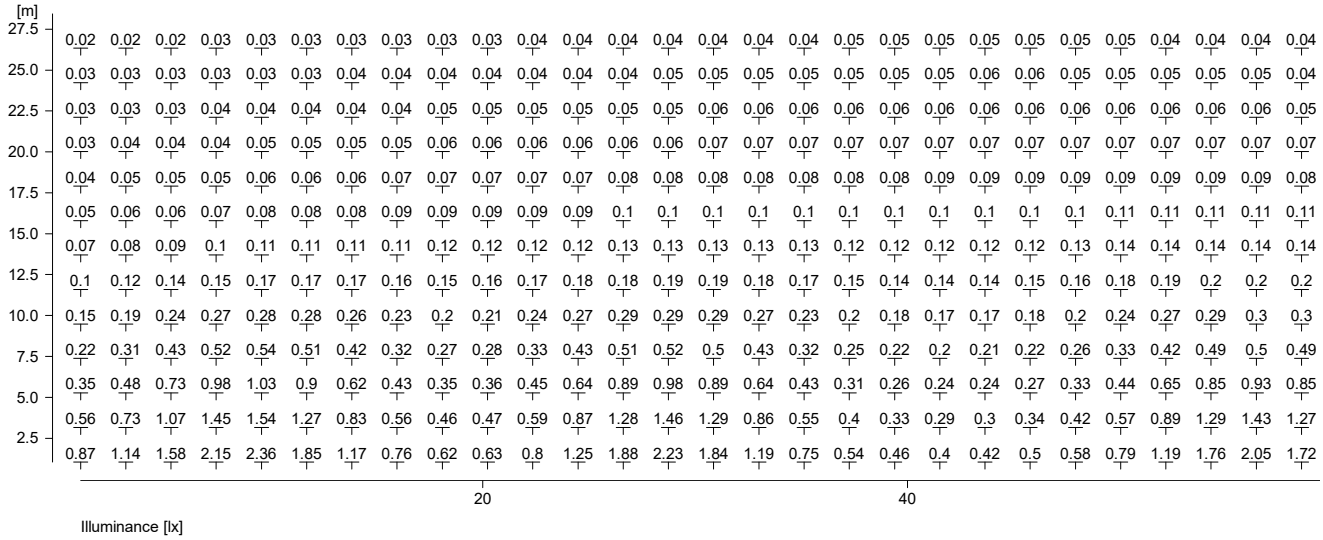


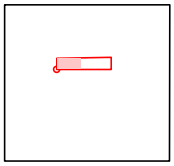


Height reference plane		: 0.20 m
Average illuminance	Em	: 38 lx
Minimum illuminance	Emin	: 14 lx
Maximum illuminance	Emax	: 107 lx
Uniformity Uo	Emin/Em	: 1 : 2.68 (0.37)
Diversity Ud	Emin/Emax	: 1 : 7.65 (0.13)

1.2 Calculation results, Exterior 1

1.2.3 Table, Spill lighting north (E)





Part1

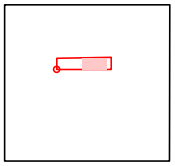
Height reference plane		: 0.00 m
Average illuminance	Em	: 0.22 lx
Minimum illuminance	Emin	: 0.01 lx
Maximum illuminance	Emax	: 2.81 lx
Uniformity Uo	Emin/Em	: 1 : 27.08 (0.04)
Diversity Ud	Emin/Emax	: 1 : 347.52 (0.00)

1.2 Calculation results, Exterior 1

1.2.3 Table, Spill lighting north (E)

	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	(0.01)	(0.01)
0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.1	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.07	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.13	0.12	0.11	0.1	0.09	0.09	0.1	0.1	0.11	0.11	0.11	0.11	0.1	0.1	0.09	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02
0.19	0.17	0.15	0.13	0.12	0.11	0.12	0.14	0.16	0.17	0.18	0.18	0.17	0.16	0.13	0.11	0.09	0.07	0.06	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.28	0.24	0.2	0.17	0.15	0.15	0.16	0.19	0.25	0.3	0.32	0.34	0.32	0.28	0.23	0.18	0.14	0.09	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.03
0.43	0.34	0.27	0.23	0.2	0.19	0.21	0.26	0.38	0.52	0.62	0.66	0.6	0.49	0.38	0.28	0.21	0.12	0.09	0.08	0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04
0.65	0.47	0.36	0.3	0.27	0.26	0.27	0.34	0.53	0.86	1.14	1.24	1.09	0.83	0.61	0.45	0.31	0.15	0.11	0.11	0.1	0.09	0.08	0.08	0.08	0.07	0.07	0.07	0.06	0.06
0.88	0.62	0.48	0.41	0.35	0.34	0.37	0.46	0.7	1.19	1.7	1.89	1.65	1.26	0.94	0.68	0.41	0.18	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.12	0.11	0.1	0.09	0.09
1.21	0.86	0.7	0.6	0.51	0.5	0.54	0.64	0.96	1.61	2.48	**[2.81]**	2.41	1.91	1.4	0.99	0.51	0.3	0.28	0.26	0.23	0.23	0.23	0.22	0.23	0.21	0.19	0.16	0.13	0.13

60 80 100 120 [m



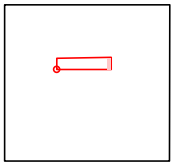
Part2

1.2 Calculation results, Exterior 1

1.2.3 Table, Spill lighting north (E)

(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
0.02	0.02	0.02	0.02	0.02
0.02	0.02	0.02	0.02	0.02
0.02	0.02	0.02	0.02	0.02
0.03	0.03	0.03	0.02	0.02
0.04	0.04	0.03	0.03	0.02
0.05	0.04	0.03	0.03	0.03
0.07	0.05	0.05	0.05	0.04
0.1	0.1	0.11	0.1	0.09

]

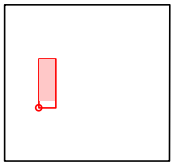


Part3

1.2 Calculation results, Exterior 1

1.2.4 Table, Spill lighting west (E)

[m]															
110	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04
	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.05
	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.07
100	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.08	0.11
	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.06	0.11	0.19
	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.07	0.09	0.17	0.34
	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.06	0.08	0.14	0.26	0.44	0.79
90	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.07	0.12	0.22	0.41	0.74	1.51
	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.09	0.17	0.31	0.59	1.02	2.14
	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.06	0.08	0.12	0.23	0.4	0.71	1.16	2.47
	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.07	0.1	0.16	0.29	0.52	0.83	1.28	3
80	0.01	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.11	0.18	0.34	0.63	0.99	1.53	3.27
	(0)	0.01	0.01	0.01	0.02	0.04	0.06	0.09	0.13	0.2	0.34	0.62	1.09	1.75	3.66
	(0)					0.02	0.06	0.11	0.15	0.21	0.34	0.57	0.98	1.57	3.46
	(0)							0.14	0.17	0.21	0.3	0.47	0.78	1.43	4.32
70	(0)							0.19	0.18	0.21	0.27	0.34	0.6	1.78	[6.54]
	(0)						0.09	0.18	0.18	0.2	0.26	0.32	0.5	1.48	3.43
	(0)						0.12	0.18	0.18	0.21	0.28	0.33	0.47	0.8	1.56
	(0)						0.14	0.18	0.19	0.22	0.3	0.36	0.37	0.63	1.49
60							0.17	0.18	0.2	0.24	0.28	0.33	0.43	0.76	1.79
							0.17	0.19	0.21	0.24	0.28	0.39	0.52	0.85	1.94
							0.2	0.19	0.22	0.26	0.33	0.45	0.64	1.02	2.37
						0.1	0.2	0.19	0.22	0.29	0.41	0.63	0.84	1.3	2.56
50						0.12	0.19	0.19	0.23	0.3	0.44	0.72	1.08	1.71	3.27
						0.16	0.18	0.19	0.22	0.3	0.45	0.78	1.19	1.9	3.72
						0.16	0.17	0.18	0.21	0.28	0.42	0.7	1.06	1.71	3.08
						0.18	0.17	0.17	0.21	0.27	0.4	0.61	0.85	1.26	2.59
40						0.17	0.16	0.17	0.2	0.26	0.35	0.5	0.69	1.02	2.32
					0.08	0.15	0.15	0.16	0.2	0.25	0.32	0.45	0.64	1.06	2.28
					0.09	0.14	0.14	0.15	0.19	0.24	0.32	0.44	0.63	0.93	2.08
30					0.1	0.13	0.12	0.14	0.18	0.23	0.32	0.46	0.67	0.9	1.63
					0.13	0.11	0.11	0.13	0.16	0.22	0.32	0.47	0.69	0.94	1.5
	(0)	(0)	(0)		0.09	0.1	0.11	0.12	0.15	0.21	0.31	0.49	0.75	0.92	1.49
20	0.01	0.01	0.03	0.04	0.06	0.08	0.1	0.13	0.16	0.21	0.32	0.5	0.89	1.1	2
	0.01	0.02	0.02	0.02	0.02			0.09	0.13	0.21	0.31	0.49	0.9	1.54	2.36

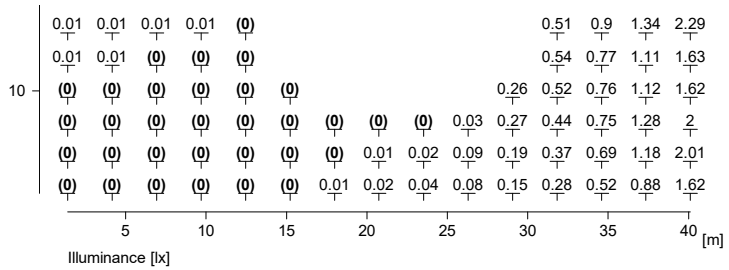


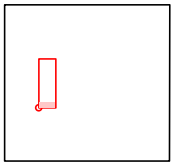
Part1

Height reference plane		: 0.00 m
Average illuminance	Em	: 0.37 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 6.54 lx
Uniformity Uo	Emin/Em	: ---
Diversity Ud	Emin/Emax	: ---

1.2 Calculation results, Exterior 1

1.2.4 Table, Spill lighting west (E)

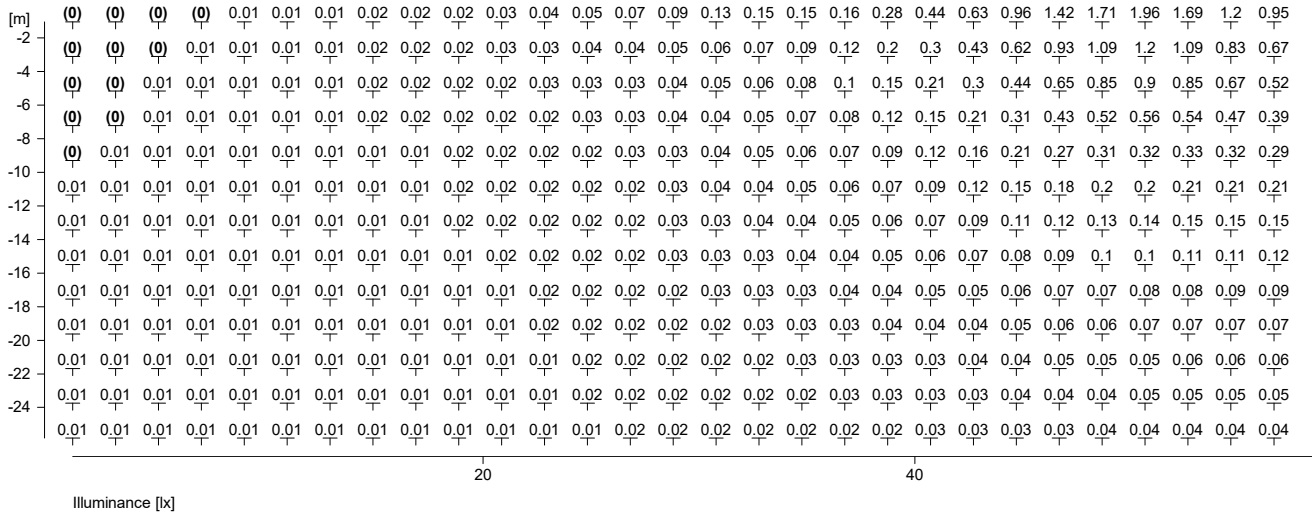


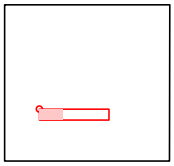


Part2

1.2 Calculation results, Exterior 1

1.2.5 Table, Spill lighting south (E)





Part1

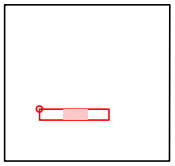
Height reference plane		: 0.00 m
Average illuminance	Em	: 0.19 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 4.97 lx
Uniformity Uo	Emin/Em	: ---
Diversity Ud	Emin/Emax	: ---

1.2 Calculation results, Exterior 1

1.2.5 Table, Spill lighting south (E)

0.78	0.78	0.98	1.39	2.02	2.36	2.04	1.56	1.29	1.24	1.41	1.77	2.13	2.37	2.82	4.01	**[4.97]**	4.64	3.18	1.99	1.84	1.69	1.4	1.07	0.82	0.61	0.44	0.31	0.23	0.17	0.14
0.58	0.59	0.72	0.98	1.31	1.45	1.35	1.08	0.85	0.7	0.65	0.72	0.91	1.28	1.85	2.52	3.04	2.74	1.8	1.12	0.76	0.58	0.47	0.4	0.4	0.37	0.3	0.23	0.18	0.14	0.12
0.45	0.46	0.55	0.74	0.95	1.01	0.94	0.73	0.54	0.45	0.45	0.52	0.67	0.93	1.25	1.58	1.77	1.59	1.12	0.77	0.55	0.41	0.31	0.25	0.21	0.18	0.16	0.14	0.12	0.11	0.09
0.35	0.36	0.42	0.53	0.63	0.67	0.63	0.53	0.42	0.35	0.35	0.4	0.51	0.66	0.86	1.08	1.15	1.04	0.81	0.57	0.41	0.31	0.24	0.2	0.16	0.14	0.12	0.11	0.1	0.09	0.08
0.27	0.28	0.31	0.36	0.39	0.4	0.4	0.37	0.32	0.28	0.27	0.3	0.37	0.47	0.6	0.7	0.72	0.67	0.57	0.43	0.32	0.24	0.19	0.16	0.13	0.12	0.1	0.09	0.08	0.07	0.07
0.21	0.21	0.23	0.24	0.25	0.25	0.26	0.25	0.24	0.22	0.22	0.23	0.27	0.33	0.39	0.42	0.42	0.4	0.37	0.31	0.24	0.19	0.15	0.13	0.11	0.1	0.09	0.08	0.07	0.06	0.06
0.16	0.16	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.18	0.21	0.24	0.26	0.26	0.25	0.24	0.24	0.22	0.18	0.15	0.12	0.1	0.09	0.08	0.07	0.07	0.06	0.06	0.05
0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.15	0.16	0.17	0.18	0.17	0.17	0.17	0.16	0.16	0.14	0.12	0.1	0.09	0.08	0.07	0.06	0.06	0.05	0.05	0.05
0.1	0.1	0.1	0.1	0.1	0.1	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.09	0.08	0.07	0.07	0.06	0.06	0.05	0.05	0.04	0.04
0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.09	0.09	0.08	0.08	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04
0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03
0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03
0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03

60 80 100 1



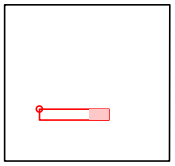
Part2

1.2 Calculation results, Exterior 1

1.2.5 Table, Spill lighting south (E)

0.12	0.11	0.09	0.08	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.06	0.05	0.04	0.03	0.03	0.03	0.02	0.02
0.1	0.09	0.08	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02
0.08	0.08	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
0.07	0.07	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

20 140 160 [m]



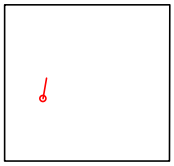
Part3

1.2 Calculation results, Exterior 1

1.2.6 Table, Builiding facade 1 (E)

[m]																													
8	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.49	0.5	0.51	0.52	0.52	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.59	0.59
7	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.5	0.51	0.52	0.52	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.58
6	0.39	0.4	0.41	0.42	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.49	0.5	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.56
5	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.49	0.49	0.5	0.5	0.51	0.52	0.52	0.53	0.53	0.53	0.54	0.54	0.54
4	0.36	0.37	0.38	0.39	0.4	0.4	0.41	0.42	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.49	0.5	0.5	0.5	0.51	0.51	0.51
3	**(0.35)**	0.36	0.37	0.37	0.38	0.39	0.4	0.4	0.41	0.41	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.5	0.5	0.5	0.5
2	0.39	0.4	0.41	0.42	0.43	0.43	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.5	0.51	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.58	0.58	0.58
1	0.62	0.63	0.64	0.66	0.67	0.68	0.69	0.7	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.81	0.82	0.83	0.84	0.84	0.85	0.86	0.86	0.86	0.85	0.86
	0.63	0.64	0.65	0.66	0.67	0.69	0.7	0.71	0.72	0.74	0.75	0.76	0.77	0.78	0.79	0.81	0.82	0.83	0.85	0.86	0.87	0.88	0.89	0.89	0.9	0.9	0.9	0.9
	0.64	0.65	0.66	0.68	0.69	0.7	0.71	0.73	0.74	0.75	0.77	0.78	0.79	0.81	0.83	0.84	0.86	0.87	0.89	0.9	0.91	0.93	0.93	0.94	0.94	0.94	0.94	0.93
					5					10					15					20					25			

Illuminance [lx]



Part1

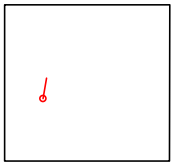
Average illuminance	Em	: 0.6 lx
Minimum illuminance	Emin	: 0.35 lx
Maximum illuminance	Emax	: 0.96 lx
Uniformity Uo	Emin/Em	: 1 : 1.73 (0.58)
Diversity Ud	Emin/Emax	: 1 : 2.74 (0.36)

1.2 Calculation results, Exterior 1

1.2.6 Table, Builiding facade 1 (E)

0.59	0.59	0.6	0.6	0.6	0.61	0.61	0.61	0.61	0.6	0.6	0.6	0.6	0.6	0.59	0.59	0.59	0.59	0.57	0.57	0.56	0.56	0.57	0.57	0.56	0.56
0.58	0.58	0.59	0.58	0.59	0.59	0.59	0.59	0.59	0.6	0.6	0.6	0.6	0.59	0.59	0.58	0.58	0.58	0.57	0.57	0.56	0.56	0.56	0.56	0.55	0.54
0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.56	0.56	0.56	0.55	0.55	0.54	0.54	0.54	0.53	0.53	0.52
0.54	0.54	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.54	0.54	0.53	0.53	0.52	0.52	0.52	0.51	0.51	0.51	0.5	0.49
0.51	0.51	0.51	0.51	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.5	0.5	0.5	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.47
0.5	0.51	0.51	0.51	0.51	0.51	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.47	0.47	0.47	0.47	0.46
0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.58	0.59	0.58	0.58	0.58	0.57	0.57	0.56	0.55	0.55	0.55	0.54	0.53	0.52	0.52	0.52	0.52	0.51	0.5
0.86	0.86	0.86	0.87	0.87	0.86	0.86	0.86	0.85	0.85	0.85	0.83	0.83	0.81	0.81	0.81	0.82	0.81	0.8	0.79	0.79	0.78	0.78	0.77	0.76	0.75
0.9	0.91	0.91	0.91	0.9	0.9	0.89	0.89	0.89	0.89	0.89	0.87	0.87	0.86	0.84	0.84	0.84	0.84	0.83	0.82	0.82	0.8	0.8	0.79	0.79	0.78
0.93	0.94	**[0.96]**	**[0.96]**	**[0.96]**	0.95	0.95	0.94	0.94	0.93	0.93	0.91	0.91	0.89	0.86	0.87	0.86	0.86	0.85	0.85	0.85	0.85	0.84	0.84	0.83	0.82

30 35 40 45 50 [m]



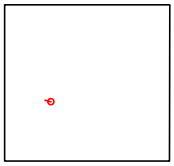
Part2

1.2 Calculation results, Exterior 1

1.2.7 Table, Builiding facade 2 (E)

[m]																											
2.75	0.54	0.52	0.5	0.61	0.59	0.57	0.56	0.54	0.52	0.51	0.49	0.48	0.47	0.46	0.44	0.43	0.42	0.41	0.4	0.39	0.38	0.37	0.37	0.36	0.35	0.34	0.34	0.33
	0.76	0.73	0.71	0.69	0.66	0.65	0.63	0.61	0.59	0.57	0.57	0.57	0.56	0.55	0.54	0.53	0.52	0.51	0.5	0.49	0.47	0.47	0.46	0.45	0.44	0.43	0.42	0.42
2.25	0.99	0.95	0.93	0.9	0.87	0.85	0.82	0.8	0.78	0.76	0.74	0.72	0.7	0.69	0.67	0.65	0.64	0.63	0.61	0.6	0.59	0.57	0.56	0.55	0.54	0.53	0.52	0.51
1.75	1	0.97	0.94	0.91	0.88	0.86	0.83	0.81	0.79	0.77	0.75	0.73	0.71	0.69	0.68	0.66	0.65	0.63	0.62	0.61	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.52
1.50	1	0.97	0.93	0.92	0.89	0.86	0.84	0.81	0.79	0.77	0.75	0.73	0.71	0.7	0.68	0.66	0.65	0.64	0.63	0.61	0.6	0.59	0.58	0.57	0.55	0.54	0.53	0.52
1.00	0.99	0.98	0.95	0.92	0.89	0.86	0.84	0.82	0.79	0.77	0.75	0.73	0.71	0.7	0.68	0.66	0.65	0.64	0.63	0.62	0.6	0.59	0.58	0.57	0.56	0.55	0.54	0.53
0.50	**[1.01]**	0.97	0.94	0.91	0.88	0.85	0.83	0.8	0.78	0.76	0.74	0.72	0.73	0.71	0.69	0.68	0.66	0.65	0.63	0.62	0.6	0.59	0.58	0.57	0.56	0.55	0.54	0.53
0.25																												
			2			4			6			8			10			12										

Illuminance [lx]



Part1

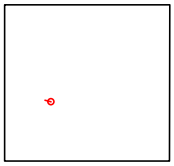
Average illuminance	Em	: 0.61 lx
Minimum illuminance	Emin	: 0.3 lx
Maximum illuminance	Emax	: 1.01 lx
Uniformity Uo	Emin/Em	: 1 : 2.07 (0.48)
Diversity Ud	Emin/Emax	: 1 : 3.40 (0.29)

1.2 Calculation results, Exterior 1

1.2.7 Table, Builiding facade 2 (E)

0.32	0.32	0.31	0.31	0.31	**(0.3)**	**(0.3)**
0.41	0.41	0.4	0.39	0.39	0.38	0.37
0.5	0.49	0.48	0.48	0.47	0.46	0.45
0.51	0.5	0.49	0.48	0.47	0.46	0.46
0.51	0.5	0.5	0.49	0.48	0.47	0.46
0.52	0.51	0.5	0.49	0.48	0.47	0.46
0.52	0.51	0.5	0.49	0.49	0.48	0.47

14 [m]



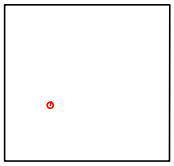
Part2

1.2 Calculation results, Exterior 1

1.2.8 Table, Builiding facade 2A (E)

[m]	1	2	3	4	5	6	7	8 [m]
2.75	0.46	0.48	0.5	**(0.44)**	0.45	0.47	0.49	0.51	0.53	0.55	0.57	0.6	0.62	0.64	0.66	0.68	0.7	0.72	0.74	0.77
	0.5	0.53	0.56	0.58	0.6	0.63	0.65	0.67	0.7	0.73	0.75	0.78	0.81	0.83	0.86	0.88	0.91	0.93	0.96	0.99
2.25	0.67	0.71	0.75	0.77	0.81	0.84	0.87	0.91	0.94	0.99	1.02	1.06	1.11	1.14	1.16	1.19	1.22	1.25	1.28	1.31
2.00	0.68	0.72	0.76	0.79	0.82	0.85	0.88	0.93	0.96	1.01	1.05	1.1	1.14	1.18	1.2	1.23	1.26	1.3	1.33	1.36
1.50	0.7	0.74	0.78	0.81	0.84	0.87	0.9	0.95	0.99	1.04	1.07	1.11	1.16	1.19	1.22	1.25	1.28	1.31	1.34	1.38
1.25	0.73	0.77	0.82	0.85	0.89	0.92	0.96	1.01	1.05	1.1	1.13	1.17	1.21	1.24	1.27	1.3	1.33	1.36	1.39	1.42
0.75	0.75	0.8	0.85	0.88	0.92	0.96	1	1.07	1.11	1.16	1.19	1.23	1.29	1.33	1.37	1.4	1.43	1.45	1.48	**[1.51]**
0.50																				
0.25																				

Illuminance [lx]



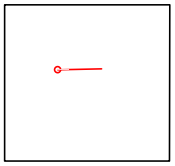
Average illuminance	Em	: 0.95 lx
Minimum illuminance	Emin	: 0.44 lx
Maximum illuminance	Emax	: 1.51 lx
Uniformity Uo	Emin/Em	: 1 : 2.18 (0.46)
Diversity Ud	Emin/Emax	: 1 : 3.46 (0.29)

1.2 Calculation results, Exterior 1

1.2.9 Table, North Boundary (E)

[m]																												
9	0.9	1	1	1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
	0.9	1	1	1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5
8	1	1	1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
7	1	1	1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6
6	1	1	1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6
5	1	1	1.1	1.2	1.8	3.5	9.5	[14.9]	10.7	4	2.1	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.8	2.5	4.5	6.8	7
4	1.1	1.2	1.5	1.8	2.7	4.7	9.5	13.6	10.5	5.3	3	2.2	1.8	1.6	1.5	1.4	1.4	1.4	1.5	1.5	1.6	1.8	2.1	2.6	3.8	6.9	11.9	12.2
3	1.6	1.6	1.8	2.1	2.8	4	5.7	6.8	6	4.4	3.2	2.5	2.2	2	1.9	2	2	2	2	2	2.1	2.3	2.5	3.1	4	5.4	7	7.1
2	2.2	2.3	2.4	2.7	3	3.6	4.3	4.7	4.5	3.8	3.2	2.8	2.6	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.8	3	3.3	3.9	4.6	5.2	5.2
1	3.1	3.2	3.3	3.3	3.3	3.4	3.6	3.8	3.7	3.4	3	2.8	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.7	2.9	3.1	3.5	3.8	4.1	4.1
					10									20														

Illuminance [lx]



Part1

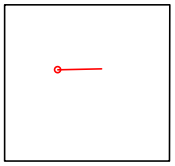
Average illuminance	Em	: 1.9 lx
Minimum illuminance	Emin	: 0.4 lx
Maximum illuminance	Emax	: 14.9 lx
Uniformity Uo	Emin/Em	: 1 : 4.74 (0.21)
Diversity Ud	Emin/Emax	: 1 : 37.43 (0.03)

1.2 Calculation results, Exterior 1

1.2.9 Table, North Boundary (E)

1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
4.8	2.7	1.9	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.9	2.4	2.8	3	2.8	2.5	1.9
7.8	4.1	2.7	2.1	1.8	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.7	1.8	2	2.3	2.9	4.2	5.9	6.4	6.1	4.6	3.1
5.7	4.2	3.2	2.6	2.3	2.1	2	1.9	1.9	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2	2	2.1	2.2	2.4	2.6	2.9	3.6	4.8	6.4	7.1	6.7	5.2	3.8
4.7	4	3.4	3	2.7	2.6	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.9	3.1	3.4	3.9	4.5	5.2	5.4	5.3	4.7	4
3.8	3.4	3.1	2.8	2.6	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.6	2.7	2.7	2.9	3.1	3.3	3.6	3.9	4.3	4.4	4.3	4	3.7

30 40 50



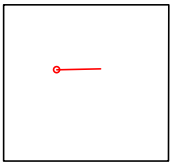
Part2

1.2 Calculation results, Exterior 1

1.2.9 Table, North Boundary (E)

1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1	1	1	1	0.9	0.9
1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1	1	1	1	0.9	0.9
1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1	1	1	1	0.9
1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1	1	1	0.9
1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1	1	1	0.9
1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.4	1.9	2.1	2.2	1.9	1.7	1.2	1	0.9
2.4	2	1.8	1.7	1.6	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.3	1.4	1.6	1.9	2.6	3.9	5.2	5.3	4.9	3.5	2.3	1.7	1.3
3	2.6	2.4	2.3	2.1	2	1.9	1.8	1.8	1.7	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.8	2	2.4	3.1	4.4	6	6.4	5.8	4.2	3	2.2	1.8
3.5	3.2	3	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2	2	1.9	2	2	2.1	2.3	2.6	3.2	4	4.7	5.1	5	4.5	4	3.4	3
3.4	3.2	3	3	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.1	2	1.9	1.9	2	2.2	2.5	2.9	3.5	4.1	4.5	4.8	4.8	4.6	4.3	4.1

60 70 80



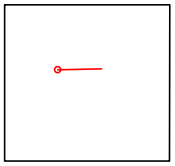
Part3

1.2 Calculation results, Exterior 1

1.2.9 Table, North Boundary (E)

0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	(0.4)	(0.4)
0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	(0.4)	(0.4)	(0.4)
0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	(0.4)	(0.4)	(0.4)
0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	(0.4)	(0.4)	(0.4)	(0.4)
0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	(0.4)	(0.4)	(0.4)	(0.4)
0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	(0.4)	(0.4)	(0.4)	(0.4)	(0.4)
1.1	0.9	0.9	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	(0.4)	(0.4)	(0.4)
1.4	1.3	1.1	1	1	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5
2.7	2.5	2.2	2	1.8	1.5	1.2	1	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7
3.8	3.6	3.1	2.8	2.4	2	1.4	1	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7

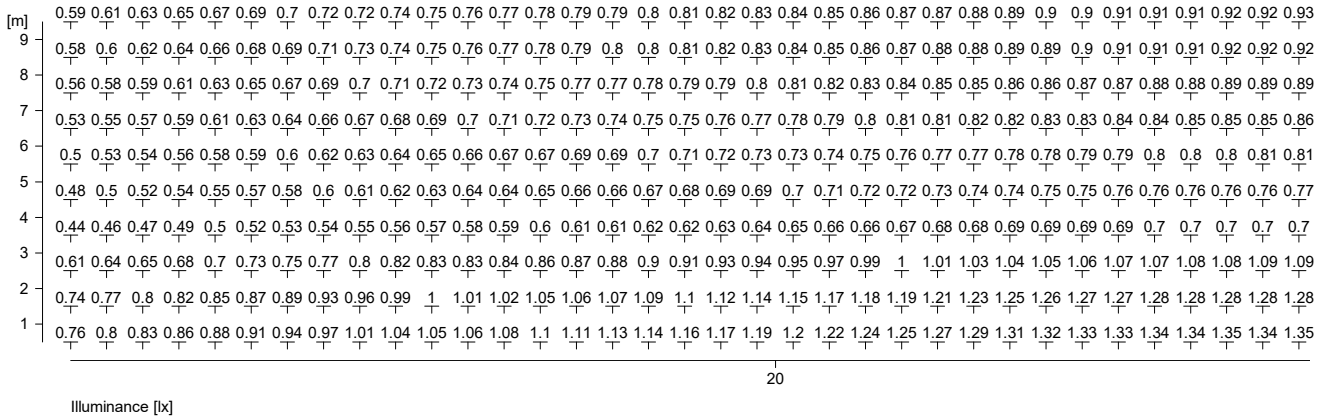
90 100 [m]

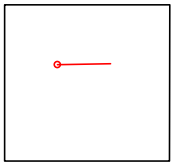


Part4

1.2 Calculation results, Exterior 1

1.2.10 Table, Rail line (E)





Part1

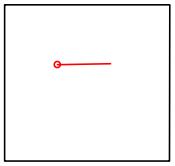
Average illuminance	Em	: 0.66 lx
Minimum illuminance	Emin	: 0.11 lx
Maximum illuminance	Emax	: 1.4 lx
Uniformity Uo	Emin/Em	: 1 : 6.10 (0.16)
Diversity Ud	Emin/Emax	: 1 : 12.95 (0.08)

1.2 Calculation results, Exterior 1

1.2.10 Table, Rail line (E)

0.93	0.93	0.94	0.94	0.94	0.94	0.95	0.95	0.95	0.95	0.95	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.9	0.9	0.89	0.87	0.86	0.85	0.83	0.82	0.81	0.79	0.78
0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.92	0.91	0.9	0.89	0.88	0.87	0.85	0.84	0.83	0.81	0.8	0.78	0.77
0.89	0.89	0.9	0.9	0.9	0.9	0.9	0.9	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.9	0.9	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.82	0.81	0.8	0.79	0.77	0.76	0.75	0.73
0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.8	0.79	0.77	0.76	0.75	0.73	0.72	0.71
0.81	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.82	0.82	0.82	0.81	0.8	0.79	0.78	0.76	0.75	0.74	0.73	0.72	0.7	0.69	0.68	0.67	
0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.78	0.78	0.77	0.77	0.77	0.76	0.75	0.74	0.73	0.72	0.7	0.69	0.68	0.67	0.66	0.65	0.64	0.63	
0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.71	0.71	0.71	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.71	0.71	0.7	0.69	0.68	0.68	0.66	0.65	0.64	0.63	0.62	0.61	0.6	0.58	0.57	0.56	0.56	
1.1	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.1	1.1	1.11	1.11	1.11	1.11	1.12	1.12	1.12	1.12	1.12	1.11	1.1	1.09	1.07	1.06	1.04	1.03	1.01	0.99	0.97	0.95	0.93	0.91	0.9	0.88	0.87	0.85	0.84
1.29	1.29	1.29	1.28	1.28	1.27	1.27	1.27	1.28	1.29	1.3	1.32	1.32	1.33	1.33	1.33	1.33	1.33	1.32	1.32	1.3	1.28	1.27	1.24	1.22	1.19	1.17	1.14	1.13	1.1	1.08	1.05	1.03	1.01	1	0.98	
1.35	1.34	1.34	1.34	1.34	1.33	1.33	1.33	1.33	1.34	1.35	1.37	1.38	1.39	**[1.4]**	**[1.4]**	**[1.4]**	**[1.4]**	**[1.4]**	1.39	1.39	1.37	1.35	1.31	1.29	1.26	1.23	1.2	1.17	1.14	1.11	1.08	1.06	1.04	1.03	1.01		

40 60



Part2

1.2 Calculation results, Exterior 1

1.2.10 Table, Rail line (E)

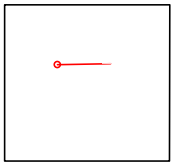
| | | |

1.2 Calculation results, Exterior 1

1.2.10 Table, Rail line (E)

0.28	0.28	0.27	0.26	0.25	0.24	0.24	0.23	0.22	0.22	0.21	0.2	0.2	0.19	0.18	0.18	0.17	0.16	0.16	0.15	0.15
0.27	0.27	0.26	0.25	0.24	0.23	0.23	0.22	0.21	0.21	0.2	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.14
0.26	0.25	0.24	0.24	0.23	0.22	0.21	0.21	0.2	0.19	0.19	0.18	0.18	0.17	0.17	0.16	0.15	0.15	0.14	0.14	0.14
0.24	0.24	0.23	0.22	0.22	0.21	0.21	0.2	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	0.13
0.23	0.22	0.22	0.21	0.2	0.2	0.19	0.19	0.18	0.18	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	0.13	0.12	0.12
0.22	0.21	0.21	0.2	0.19	0.19	0.19	0.19	0.18	0.18	0.17	0.17	0.16	0.16	0.15	0.14	0.14	0.14	0.13	0.13	0.12
0.21	0.2	0.19	0.19	0.18	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.12	**(0.11)**	**[0.11)**
0.3	0.29	0.28	0.28	0.27	0.26	0.26	0.25	0.24	0.23	0.23	0.23	0.22	0.21	0.21	0.2	0.2	0.19	0.19	0.18	0.18
0.34	0.33	0.32	0.31	0.3	0.29	0.28	0.28	0.27	0.26	0.25	0.25	0.24	0.23	0.23	0.22	0.22	0.21	0.2	0.2	0.19
0.35	0.34	0.32	0.31	0.31	0.3	0.29	0.28	0.27	0.26	0.26	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.2	0.2

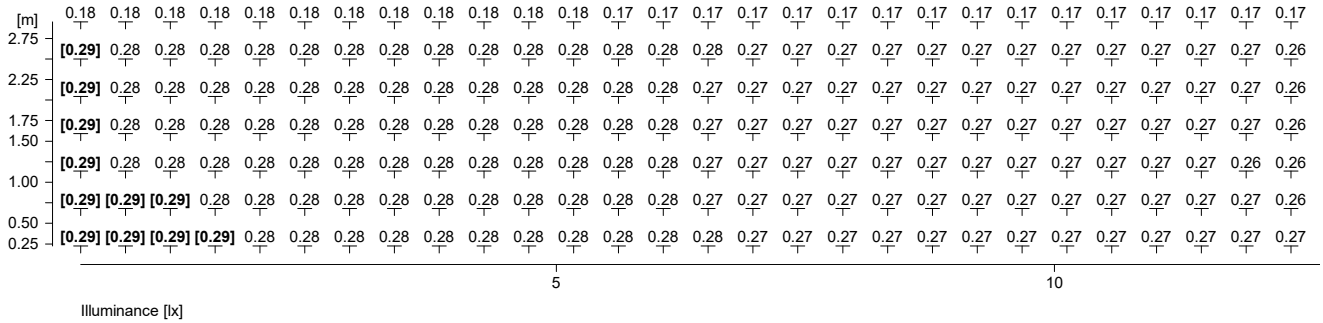
120 [m]

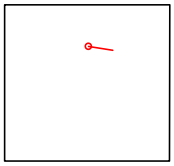


Part4

1.2 Calculation results, Exterior 1

1.2.11 Table, Densley Close (E)





Part1

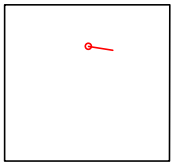
Average illuminance	Em	: 0.21 lx
Minimum illuminance	Emin	: 0.1 lx
Maximum illuminance	Emax	: 0.29 lx
Uniformity Uo	Emin/Em	: 1 : 2.03 (0.49)
Diversity Ud	Emin/Emax	: 1 : 2.77 (0.36)

1.2 Calculation results, Exterior 1

1.2.11 Table, Densley Close (E)

0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15
0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.23
0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.23
0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24

15 20 25



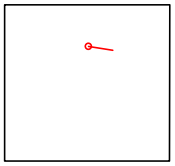
Part2

1.2 Calculation results, Exterior 1

1.2.11 Table, Densley Close (E)

0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13
0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.2
0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.2	0.2	0.2
0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.2	0.2	0.2	0.2
0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.2	0.2	0.2	0.2
0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.2	0.2	0.2	0.2

30 35



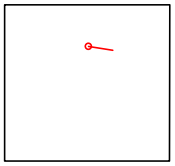
Part3

1.2 Calculation results, Exterior 1

1.2.11 Table, Densley Close (E)

0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17
0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17
0.2	0.2	0.2	0.2	0.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17

40 45 50



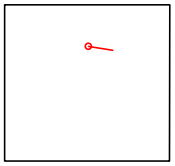
Part4

1.2 Calculation results, Exterior 1

1.2.11 Table, Densley Close (E)

0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	**(0.1)**	0.11	**(0.1)**
0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15
0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15
0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15
0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15
0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15
0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15

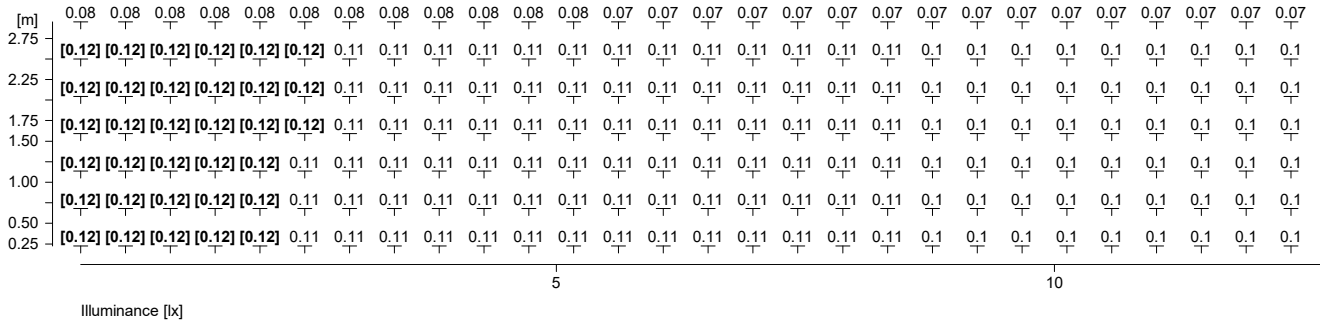
55 [m]

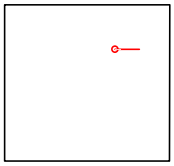


Part5

1.2 Calculation results, Exterior 1

1.2.12 Table, Scholars Mews (E)





Part1

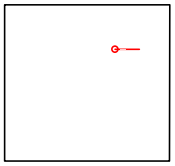
Average illuminance	Em	: 0.07 lx
Minimum illuminance	Emin	: 0.03 lx
Maximum illuminance	Emax	: 0.12 lx
Uniformity Uo	Emin/Em	: 1 : 2.16 (0.46)
Diversity Ud	Emin/Emax	: 1 : 3.59 (0.28)

1.2 Calculation results, Exterior 1

1.2.12 Table, Scholars Mews (E)

0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05
0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
0.1	0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
0.1	0.1	0.1	0.1	0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08

15 20 25



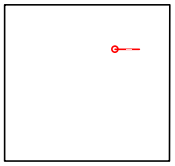
Part2

1.2 Calculation results, Exterior 1

1.2.12 Table, Scholars Mews (E)

0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

30 35



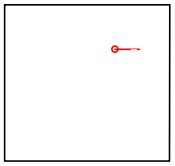
Part3

1.2 Calculation results, Exterior 1

1.2.12 Table, Scholars Mews (E)

0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

40 45 50



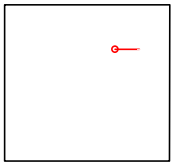
Part4

1.2 Calculation results, Exterior 1

1.2.12 Table, Scholars Mews (E)

0.04	0.04	0.04	0.04	0.04	0.04	0.04	**(0.03)**	**(0.03)**	**(0.03)**	**(0.03)**	**(0.03)**	**(0.03)**	**(0.03)**	**(0.03)**	
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	

55 [m]



Part5

1.2 Calculation results, Exterior 1

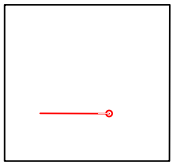
1.2.13 Table, South Boundary (E)

[m]

9	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.2	0.2	0.21	0.21	0.22	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.27	0.27	0.28	0.29	0.29	0.3	0.3
8	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.2	0.2	0.21	0.22	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.26	0.27	0.28	0.28	0.29	0.3
7	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.19	0.2	0.2	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.26	0.27	0.28	0.28
6	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.2	0.2	0.21	0.21	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.27
5	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.2	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.25
4	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.2	0.2	0.21	0.21	0.22	0.22	0.23	0.24
3	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.2	0.2	0.21	0.22	0.22	0.23	0.23	0.24	0.24
2	0.18	0.18	0.19	0.2	0.2	0.2	0.21	0.21	0.22	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.27	0.27	0.28	0.29	0.3	0.31	0.32	0.32	0.33	0.34	0.35	0.36
1	0.18	0.19	0.19	0.2	0.2	0.21	0.21	0.22	0.23	0.23	0.24	0.24	0.25	0.26	0.27	0.27	0.28	0.29	0.3	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.39
	0.19	0.19	0.2	0.2	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.27	0.28	0.28	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.4

20

Illuminance [lx]



Part1

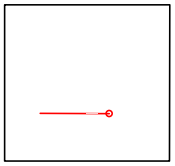
Average illuminance	Em	: 0.61 lx
Minimum illuminance	Emin	: 0.05 lx
Maximum illuminance	Emax	: 2.05 lx
Uniformity Uo	Emin/Em	: 1 : 11.88 (0.08)
Diversity Ud	Emin/Emax	: 1 : 40.18 (0.02)

1.2 Calculation results, Exterior 1

1.2.13 Table, South Boundary (E)

0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.45	0.46	0.47	0.49	0.5	0.51	0.53	0.54	0.56	0.58	0.59	0.61	0.62	0.64	0.66	0.68
0.3	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.43	0.44	0.45	0.46	0.48	0.49	0.51	0.52	0.53	0.55	0.56	0.58	0.6	0.61	0.63	0.65	0.67
0.29	0.3	0.31	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.37	0.38	0.39	0.41	0.42	0.43	0.45	0.46	0.48	0.49	0.51	0.52	0.54	0.55	0.57	0.59	0.61	0.62	0.64	0.66
0.27	0.28	0.29	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.44	0.45	0.46	0.48	0.5	0.51	0.52	0.54	0.55	0.57	0.59	0.61	0.63
0.26	0.26	0.27	0.28	0.29	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.44	0.45	0.47	0.48	0.5	0.51	0.53	0.54	0.56	0.58	0.6
0.24	0.25	0.26	0.27	0.27	0.28	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.4	0.41	0.42	0.43	0.45	0.46	0.48	0.49	0.51	0.52	0.54	0.55	0.57	0.59
0.25	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.38	0.39	0.4	0.42	0.43	0.45	0.46	0.48	0.49	0.51	0.53	0.54
0.37	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.44	0.45	0.47	0.49	0.5	0.51	0.53	0.53	0.54	0.56	0.57	0.59	0.61	0.63	0.65	0.66	0.68	0.7	0.71	0.73	0.75
0.4	0.41	0.42	0.43	0.44	0.46	0.47	0.48	0.5	0.51	0.53	0.54	0.56	0.58	0.6	0.61	0.63	0.65	0.67	0.7	0.72	0.74	0.77	0.8	0.82	0.85	0.87	0.9	0.92	0.94
0.41	0.42	0.43	0.44	0.45	0.47	0.48	0.49	0.51	0.52	0.54	0.55	0.57	0.59	0.61	0.63	0.65	0.66	0.68	0.71	0.73	0.76	0.78	0.81	0.84	0.86	0.89	0.91	0.93	0.95

40



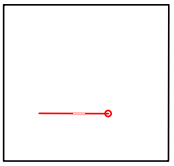
Part2

1.2 Calculation results, Exterior 1

1.2.13 Table, South Boundary (E)

0.7	0.72	0.74	0.76	0.79	0.81	0.83	0.85	0.87	0.9	0.92	0.94	0.96	0.98	0.99	1.01	1.02	1.04	1.04	1.05	1.06	1.06	1.07	1.07	1.07	1.07	1.07	1.07
0.69	0.71	0.73	0.76	0.78	0.81	0.83	0.85	0.87	0.9	0.92	0.94	0.96	0.98	1	1.02	1.03	1.05	1.06	1.07	1.07	1.08	1.08	1.08	1.09	1.09	1.09	1.08
0.68	0.7	0.72	0.75	0.77	0.8	0.82	0.84	0.87	0.89	0.91	0.94	0.96	0.98	1	1.02	1.03	1.04	1.06	1.07	1.08	1.08	1.08	1.09	1.09	1.09	1.09	1.08
0.64	0.67	0.69	0.71	0.73	0.75	0.78	0.8	0.82	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.98	1	1.01	1.02	1.03	1.04	1.04	1.04	1.04	1.04	1.04	1.03
0.62	0.64	0.66	0.68	0.7	0.72	0.75	0.77	0.79	0.81	0.84	0.86	0.88	0.9	0.92	0.94	0.96	0.98	0.99	1	1.01	1.01	1.02	1.02	1.02	1.02	1.01	1.01
0.61	0.63	0.65	0.67	0.69	0.71	0.73	0.75	0.77	0.79	0.82	0.84	0.86	0.89	0.91	0.93	0.95	0.97	0.99	1	1.01	1.01	1.01	1.01	1.01	1	0.99	0.98
0.56	0.58	0.6	0.62	0.64	0.65	0.67	0.7	0.72	0.75	0.78	0.81	0.85	0.89	0.93	0.96	0.98	1.01	1.03	1.05	1.06	1.05	1.04	1.03	1.02	1	0.98	0.96	0.94
0.77	0.79	0.82	0.84	0.86	0.89	0.92	0.95	0.99	1.03	1.06	1.11	1.16	1.22	1.28	1.34	1.39	1.42	1.45	1.47	1.49	1.49	1.47	1.46	1.45	1.42	1.39	1.36	1.33
0.97	0.99	1.02	1.05	1.08	1.12	1.15	1.2	1.24	1.29	1.34	1.4	1.47	1.55	1.63	1.71	1.78	1.82	1.86	1.88	1.89	1.9	1.89	1.88	1.86	1.81	1.76	1.71	1.69
0.98	1	1.03	1.07	1.1	1.13	1.16	1.21	1.25	1.3	1.36	1.43	1.5	1.59	1.69	1.79	1.86	1.91	1.95	1.99	2.01	2.04	**[2.05]**	**[2.05]**	2.04	1.98	1.92	1.85	1.78

60 80



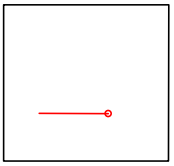
Part3

1.2 Calculation results, Exterior 1

1.2.13 Table, South Boundary (E)

1.07	1.06	1.06	1.06	1.05	1.05	1.05	1.04	1.04	1.03	1.03	1.02	1.02	1.01	1.01	1	0.99	0.99	0.98	0.97	0.96	0.94	0.92	0.91	0.9	0.88	0.86	0.85	0.83	0.8
1.08	1.08	1.08	1.07	1.07	1.06	1.06	1.06	1.05	1.05	1.04	1.04	1.03	1.03	1.02	1.01	1.01	1	0.99	0.98	0.97	0.96	0.93	0.92	0.9	0.89	0.87	0.85	0.84	0.81
1.08	1.07	1.07	1.07	1.06	1.06	1.05	1.05	1.04	1.04	1.03	1.03	1.02	1.02	1.01	1	0.99	0.99	0.98	0.97	0.95	0.94	0.92	0.9	0.89	0.87	0.86	0.84	0.82	0.8
1.03	1.03	1.02	1.02	1.01	1.01	1.01	1	1	1	0.99	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.93	0.91	0.9	0.88	0.87	0.85	0.84	0.82	0.81	0.79	0.77
1	1	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.9	0.89	0.87	0.85	0.84	0.83	0.81	0.8	0.78	0.77	0.75
0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.92	0.92	0.91	0.9	0.9	0.89	0.87	0.86	0.85	0.84	0.82	0.81	0.8	0.78	0.77	0.76	0.75	0.73
0.92	0.91	0.91	0.9	0.9	0.9	0.9	0.91	0.91	0.91	0.91	0.92	0.92	0.91	0.91	0.9	0.89	0.87	0.86	0.85	0.84	0.82	0.81	0.8	0.79	0.78	0.77	0.76	0.75	0.74
1.31	1.3	1.29	1.28	1.28	1.28	1.29	1.29	1.3	1.3	1.31	1.31	1.31	1.31	1.29	1.28	1.26	1.24	1.22	1.2	1.18	1.16	1.14	1.12	1.11	1.09	1.08	1.06	1.05	1.03
1.66	1.65	1.63	1.63	1.63	1.63	1.64	1.65	1.66	1.67	1.67	1.68	1.68	1.67	1.66	1.65	1.62	1.59	1.57	1.53	1.5	1.47	1.45	1.43	1.41	1.4	1.39	1.38	1.36	1.33
1.74	1.71	1.69	1.68	1.68	1.69	1.71	1.72	1.74	1.75	1.76	1.77	1.76	1.76	1.74	1.72	1.7	1.67	1.63	1.6	1.56	1.52	1.49	1.47	1.46	1.45	1.45	1.43	1.4	1.39

100



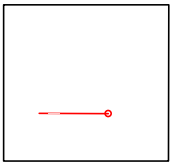
Part4

1.2 Calculation results, Exterior 1

1.2.13 Table, South Boundary (E)

0.78	0.75	0.73	0.71	0.69	0.67	0.64	0.6	0.57	0.55	0.52	0.5	0.49	0.46	0.45	0.43	0.42	0.41	0.4	0.37	0.35	0.35	0.34	0.33	0.32	0.3	0.28	0.27	0.26
0.79	0.77	0.75	0.73	0.7	0.67	0.65	0.6	0.57	0.54	0.52	0.5	0.48	0.46	0.45	0.43	0.42	0.4	0.39	0.37	0.35	0.34	0.33	0.31	0.3	0.29	0.28	0.26	0.25
0.78	0.75	0.73	0.71	0.69	0.66	0.62	0.58	0.56	0.52	0.51	0.48	0.46	0.45	0.44	0.42	0.4	0.39	0.38	0.35	0.34	0.33	0.31	0.3	0.29	0.27	0.26	0.25	0.24
0.75	0.73	0.7	0.68	0.66	0.63	0.6	0.56	0.53	0.5	0.48	0.46	0.44	0.43	0.41	0.4	0.38	0.37	0.35	0.33	0.31	0.3	0.29	0.28	0.27	0.26	0.24	0.24	0.23
0.73	0.71	0.68	0.66	0.64	0.61	0.57	0.54	0.51	0.48	0.47	0.45	0.43	0.41	0.4	0.38	0.36	0.35	0.33	0.31	0.29	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21
0.71	0.69	0.67	0.65	0.62	0.59	0.55	0.52	0.49	0.46	0.44	0.42	0.41	0.39	0.37	0.35	0.33	0.32	0.31	0.29	0.27	0.27	0.25	0.24	0.24	0.23	0.22	0.21	0.2
0.73	0.71	0.69	0.67	0.64	0.6	0.56	0.52	0.49	0.46	0.43	0.41	0.38	0.36	0.34	0.32	0.31	0.29	0.28	0.26	0.25	0.24	0.22	0.21	0.21	0.19	0.18	0.18	0.17
1.01	0.99	0.96	0.93	0.89	0.83	0.77	0.7	0.66	0.62	0.59	0.55	0.54	0.5	0.49	0.46	0.44	0.41	0.4	0.38	0.36	0.35	0.34	0.33	0.31	0.3	0.29	0.28	0.27
1.31	1.29	1.25	1.21	1.16	1.07	1	0.91	0.85	0.79	0.75	0.7	0.67	0.62	0.61	0.57	0.54	0.51	0.49	0.46	0.44	0.41	0.4	0.38	0.35	0.34	0.33	0.32	0.31
1.37	1.34	1.3	1.26	1.21	1.11	1.03	0.94	0.87	0.81	0.76	0.71	0.68	0.63	0.61	0.58	0.55	0.52	0.5	0.47	0.45	0.42	0.4	0.37	0.35	0.33	0.33	0.32	0.31

120 140



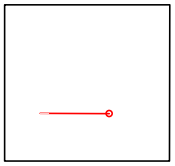
Part5

1.2 Calculation results, Exterior 1

1.2.13 Table, South Boundary (E)

0.25	0.24	0.23	0.23	0.22	0.21	0.2	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	0.13	0.13	0.12
0.24	0.23	0.22	0.22	0.21	0.2	0.19	0.19	0.18	0.18	0.17	0.17	0.16	0.15	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.12
0.23	0.22	0.21	0.21	0.2	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.11	0.11	0.1
0.22	0.21	0.2	0.2	0.19	0.18	0.18	0.17	0.16	0.16	0.15	0.15	0.14	0.13	0.12	0.12	0.11	0.1	0.1	0.09	0.09	0.09
0.2	0.2	0.19	0.18	0.18	0.17	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.1	0.09	0.09	0.08	0.08	0.07	0.07	0.07	0.06
0.19	0.18	0.17	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.1	0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.06	**(0.05)**	**(0.05)**
0.16	0.15	0.15	0.14	0.13	0.12	0.12	0.11	0.1	0.09	0.09	0.08	0.07	0.09	0.08	0.07	0.07	0.06	0.06	0.06	**(0.05)**	**(0.05)**
0.27	0.27	0.26	0.25	0.24	0.22	0.2	0.19	0.18	0.16	0.15	0.14	0.12	0.12	0.11	0.1	0.09	0.09	0.08	0.08	0.07	0.07
0.3	0.29	0.28	0.27	0.26	0.25	0.23	0.21	0.2	0.19	0.18	0.16	0.15	0.15	0.14	0.13	0.12	0.11	0.1	0.09	0.08	0.08
0.3	0.29	0.28	0.27	0.26	0.24	0.23	0.21	0.2	0.19	0.18	0.17	0.15	0.15	0.14	0.13	0.12	0.11	0.1	0.09	0.08	0.08

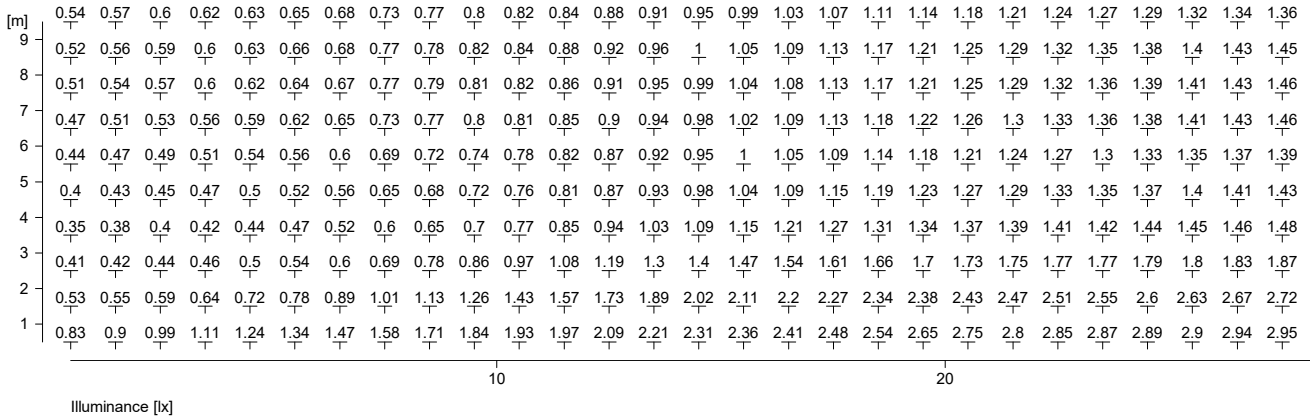
160 [m]

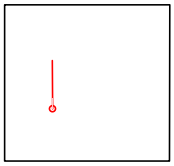


Part6

1.2 Calculation results, Exterior 1

1.2.14 Table, West Boundary (E)





Part1

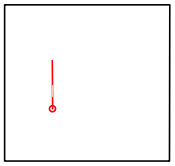
Average illuminance	Em	: 1.2 lx
Minimum illuminance	Emin	: 0.16 lx
Maximum illuminance	Emax	: 3.75 lx
Uniformity Uo	Emin/Em	: 1 : 7.71 (0.13)
Diversity Ud	Emin/Emax	: 1 : 24.10 (0.04)

1.2 Calculation results, Exterior 1

1.2.14 Table, West Boundary (E)

1.38	1.4	1.41	1.42	1.44	1.45	1.47	1.48	1.5	1.56	1.57	1.58	1.59	1.61	1.61	1.61	1.61	1.61	1.61	1.6	1.59	1.58	1.57	1.55	1.56	1.53	1.51	1.48	1.48	1.45
1.47	1.49	1.51	1.53	1.55	1.57	1.58	1.6	1.62	1.63	1.65	1.66	1.67	1.68	1.7	1.71	1.71	1.71	1.71	1.71	1.7	1.68	1.66	1.64	1.62	1.6	1.58	1.55	1.51	1.48
1.48	1.5	1.52	1.54	1.56	1.58	1.59	1.61	1.62	1.64	1.65	1.67	1.69	1.7	1.71	1.72	1.72	1.72	1.72	1.72	1.72	1.71	1.68	1.66	1.64	1.62	1.59	1.56	1.52	1.5
1.48	1.5	1.52	1.53	1.55	1.57	1.58	1.6	1.61	1.62	1.63	1.65	1.66	1.67	1.69	1.69	1.7	1.7	1.7	1.7	1.69	1.68	1.65	1.63	1.61	1.58	1.55	1.53	1.49	1.45
1.42	1.43	1.45	1.46	1.48	1.5	1.51	1.53	1.54	1.56	1.57	1.58	1.59	1.6	1.61	1.63	1.64	1.64	1.64	1.65	1.64	1.64	1.61	1.59	1.57	1.55	1.52	1.49	1.45	1.42
1.45	1.48	1.5	1.53	1.55	1.57	1.58	1.59	1.6	1.61	1.62	1.63	1.65	1.67	1.69	1.71	1.72	1.73	1.74	1.74	1.73	1.72	1.69	1.67	1.64	1.61	1.57	1.54	1.5	1.45
1.49	1.52	1.56	1.59	1.61	1.61	1.62	1.62	1.63	1.64	1.66	1.7	1.73	1.78	1.83	1.86	1.89	1.92	1.94	1.94	1.91	1.9	1.86	1.81	1.75	1.69	1.64	1.58	1.52	1.47
1.9	1.92	1.96	1.97	1.96	1.96	1.96	1.95	1.95	1.97	2	2.03	2.09	2.17	2.25	2.32	2.37	2.42	2.44	2.44	2.41	2.37	2.31	2.23	2.15	2.07	1.98	1.92	1.84	1.78
2.75	2.75	2.76	2.74	2.73	2.72	2.71	2.71	2.72	2.74	2.76	2.81	2.9	3.01	3.14	3.25	3.34	3.39	3.42	3.41	3.37	3.29	3.2	3.07	2.94	2.84	2.75	2.67	2.57	2.5
2.97	2.96	2.94	2.91	2.88	2.86	2.85	2.84	2.85	2.87	2.92	3	3.1	3.23	3.4	3.55	3.67	**[3.75]**	**[3.75]**	3.74	3.67	3.58	3.45	3.29	3.14	3.05	2.96	2.9	2.82	2.53

30 40 50



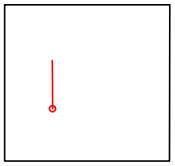
Part2

1.2 Calculation results, Exterior 1

1.2.14 Table, West Boundary (E)

1.42	1.39	1.4	1.36	1.35	1.34	1.29	1.26	1.25	1.22	1.2	1.17	1.14	1.1	1.04	1.01	1.02	0.99	0.96	0.93	0.92	0.89	0.87	0.84	0.81	0.78	0.75	0.74	0.7
1.47	1.44	1.44	1.41	1.37	1.34	1.3	1.28	1.26	1.24	1.22	1.17	1.17	1.11	1.09	1.05	1.03	1.01	0.98	0.95	0.93	0.9	0.88	0.85	0.82	0.79	0.77	0.74	0.73
1.47	1.46	1.43	1.42	1.37	1.34	1.31	1.29	1.27	1.24	1.2	1.17	1.16	1.12	1.09	1.06	1.03	1	0.98	0.95	0.92	0.9	0.87	0.84	0.81	0.79	0.76	0.74	0.71
1.43	1.4	1.38	1.35	1.33	1.32	1.27	1.27	1.23	1.2	1.17	1.16	1.15	1.1	1.06	1.02	1.01	0.98	0.95	0.92	0.9	0.88	0.86	0.83	0.81	0.78	0.75	0.74	0.71
1.37	1.33	1.31	1.28	1.26	1.25	1.22	1.2	1.16	1.15	1.14	1.12	1.09	1.05	1.03	1	0.98	0.95	0.93	0.9	0.89	0.86	0.84	0.81	0.79	0.77	0.74	0.71	0.68
1.4	1.36	1.32	1.27	1.25	1.22	1.2	1.18	1.16	1.15	1.13	1.1	1.09	1.05	1.03	1	0.98	0.96	0.94	0.92	0.9	0.89	0.86	0.83	0.79	0.76	0.72	0.68	0.64
1.41	1.36	1.31	1.26	1.25	1.21	1.18	1.17	1.17	1.17	1.17	1.17	1.16	1.15	1.16	1.15	1.16	1.16	1.15	1.14	1.12	1.1	1.05	1.04	0.98	0.93	0.83	0.78	0.72
1.71	1.65	1.58	1.55	1.54	1.46	1.42	1.41	1.4	1.4	1.42	1.39	1.35	1.32	1.35	1.37	1.4	1.43	1.43	1.44	1.43	1.4	1.33	1.27	1.17	1.13	1.03	0.95	0.88
2.42	2.36	2.29	2.24	2.19	2.07	1.97	1.96	1.92	1.89	1.84	1.81	1.72	1.67	1.71	1.72	1.77	1.82	1.85	1.85	1.84	1.85	1.82	1.76	1.63	1.49	1.36	1.23	1.12
2.44	2.37	2.27	2.21	2.45	2.32	2.22	2.17	2.11	2.05	1.98	1.93	1.8	1.73	1.77	1.79	1.85	1.85	1.93	1.99	2.04	2.09	2.08	2.08	1.98	1.89	1.79	1.68	1.51

60 70 80



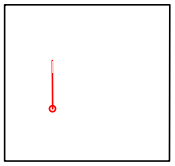
Part3

1.2 Calculation results, Exterior 1

1.2.14 Table, West Boundary (E)

0.68	0.67	0.64	0.63	0.6	0.58	0.56	0.54	0.52	0.49	0.47	0.45	0.43	0.4	0.38	0.37	0.35	0.34	0.32	0.31	0.3	0.28	0.27	0.26	0.25	0.24	0.23	0.23	0.22	0.21
0.7	0.67	0.65	0.63	0.61	0.58	0.56	0.53	0.51	0.48	0.46	0.43	0.41	0.39	0.38	0.36	0.34	0.33	0.32	0.3	0.29	0.28	0.26	0.25	0.24	0.23	0.22	0.21	0.2	0.2
0.7	0.68	0.65	0.62	0.59	0.57	0.54	0.51	0.49	0.46	0.44	0.42	0.4	0.38	0.37	0.35	0.33	0.32	0.3	0.29	0.28	0.26	0.25	0.24	0.23	0.22	0.21	0.2	0.2	0.19
0.69	0.67	0.64	0.6	0.57	0.55	0.52	0.5	0.48	0.45	0.43	0.41	0.39	0.37	0.35	0.33	0.31	0.3	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.2	0.19	0.18	0.18
0.66	0.63	0.6	0.58	0.55	0.52	0.5	0.47	0.44	0.42	0.39	0.37	0.35	0.34	0.32	0.31	0.29	0.28	0.26	0.25	0.24	0.23	0.22	0.21	0.2	0.19	0.19	0.18	0.17	**(0.16)**
0.62	0.59	0.57	0.54	0.51	0.48	0.46	0.44	0.41	0.39	0.37	0.35	0.33	0.32	0.3	0.29	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.2	0.19	0.18	0.18	0.17	**(0.16)**	**(0.16)**
0.68	0.63	0.6	0.56	0.52	0.49	0.46	0.44	0.41	0.39	0.36	0.34	0.32	0.31	0.29	0.27	0.26	0.24	0.23	0.22	0.21	0.2	0.19	0.18	0.17	0.17	**(0.16)**	0.2	0.19	0.18
0.81	0.76	0.72	0.69	0.65	0.61	0.57	0.54	0.51	0.48	0.46	0.43	0.43	0.41	0.39	0.37	0.36	0.34	0.33	0.32	0.32	0.31	0.3	0.29	0.28	0.27	0.26	0.25	0.25	0.25
1.03	0.95	0.88	0.84	0.78	0.72	0.67	0.63	0.59	0.56	0.54	0.51	0.49	0.47	0.45	0.43	0.42	0.4	0.38	0.37	0.36	0.34	0.33	0.32	0.31	0.29	0.28	0.27	0.27	0.26
1.39	1.29	1.2	1.1	0.96	0.86	0.78	0.72	0.66	0.59	0.55	0.51	0.49	0.47	0.45	0.44	0.42	0.4	0.38	0.37	0.35	0.34	0.33	0.32	0.31	0.3	0.29	0.28	0.27	0.26

90 100 110 [m]



Part4

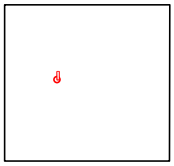
1.2 Calculation results, Exterior 1

1.2.15 Table, Ext car park 1 (E)

[m]								
18	(5.3)	5.8	6.3	6.9	7.5	8	8.6	9.1
	5.5	6	6.5	7	7.6	8.1	8.7	9.1
	5.7	6.1	6.6	7.1	7.6	8.1	8.4	8.7
	5.9	6.3	6.7	7.1	7.4	7.7	7.9	8.1
	6	6.4	6.7	7	7.2	7.3	7.5	7.5
16	6.3	6.6	6.8	7	7.1	7.1	7.1	7
	6.6	6.8	7	7.1	7.1	7	6.9	6.7
	7	7.2	7.3	7.3	7.1	7	6.8	6.5
	7.5	7.7	7.7	7.5	7.2	6.9	6.6	6.4
14	8	8.1	8	7.6	7.2	6.9	6.5	6.1
	8.5	8.6	8.5	7.8	7.3	6.8	6.4	5.9
	9.1	9.1	8.8	8	7.3	6.8	6.3	5.8
12	9.7	9.6	9	8.2	7.4	6.7	6.2	5.7
	10.2	10	9.2	8.3	7.3	6.5	6.1	5.6
	10.8	10.3	9.3	8.4	7.4	6.4	6	5.5
10	11	10.5	9.6	8.6	7.3	6.3	5.9	5.4
	11.4	10.9	10	8.9	7.4	6.4	5.9	5.5
	11.8	11.3	10.3	9.1	7.6	6.5	6	5.7
8	12	11.7	10.6	9.3	7.9	6.7	6.2	5.8
	12.2	11.7	10.8	9.5	8	6.8	6	5.7
	12	11.6	10.7	9.4	8.1	6.6	6.1	5.7
6	11.8	11.4	10.6	9.4	8	6.5	6.2	5.9
	11.6	11.1	10.3	9.3	8	6.6	6.2	6
	11.3	10.9	10	9.1	7.6	6.7	6.4	6.1
4	11	10.7	9.9	9.1	7.7	6.9	6.6	6.3
	10.5	10.5	9.9	9.1	7.9	7.2	6.9	6.5
	10.1	10.2	10	8.8	8.1	7.6	7.3	6.9
	9.9	10.2	10.2	9.1	8.7	8.2	7.9	7.6
2	11.1	11.5	11.8	11	10.7	10.5	10.2	9.9
	14.1	14.9	15.6	15.5	15.6	15.4	15.1	14.3
	18	19.4	19.8	20.6	20.9	20.9	20.6	19.7
	22.2	24.1	24.5	25	**[25.5]**	**[25.5]**	25.1	25.1

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 [m]

Illuminance [lx]



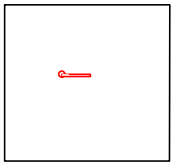
Height reference plane		: 0.00 m
Average illuminance	Em	: 9.1 lx
Minimum illuminance	Emin	: 5.3 lx
Maximum illuminance	Emax	: 25.5 lx
Uniformity Uo	Emin/Em	: 1 : 1.74 (0.58)
Diversity Ud	Emin/Emax	: 1 : 4.85 (0.21)

1.2 Calculation results, Exterior 1

1.2.16 Table, Ext car park 2 (E)

[m]																										
-0.5	3.7	3.8	3.7	3.7	3.8	3.8	3.9	4	4.1	4.2	4.3	4.5	4.6	4.7	4.7	4.8	4.8	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.1	4
-1.0	3.5	3.6	3.5	3.5	3.6	3.7	3.7	3.8	4	4.1	4.2	4.4	4.5	4.6	4.7	4.7	4.7	4.7	4.7	4.6	4.4	4.3	4.2	4.1	4.1	4	3.9	3.8
-1.5	3.4	(3.3)	3.4	3.4	3.5	3.6	3.7	3.8	4	4.1	4.3	4.4	4.6	4.7	4.7	4.8	4.7	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4	3.9	3.8	3.8
-2.0	3.4	(3.3)	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	4.9	4.9	4.9	4.8	4.8	4.6	4.5	4.4	4.3	4.1	4	3.9	3.9	3.8
-2.5	3.6	3.5	3.6	3.7	3.8	3.9	4	4.2	4.3	4.5	4.7	4.9	5.1	5.2	5.3	5.3	5.2	5.2	5.1	4.9	4.8	4.6	4.5	4.4	4.3	4.2	4.1	4
-3.0	3.8	3.9	4	4.1	4.2	4.3	4.5	4.6	4.8	5	5.2	5.4	5.6	5.8	5.8	5.9	5.8	5.7	5.6	5.5	5.3	5.1	5	4.9	4.8	4.7	4.6	4.4
-3.5	4.4	4.6	4.7	4.8	4.9	5	5.1	5.3	5.5	5.7	5.9	6.2	6.4	6.6	6.7	6.7	6.7	6.6	6.4	6.2	6	5.9	5.8	5.6	5.5	5.4	5.3	5.1
-4.0	5.3	5.5	5.7	5.7	5.8	5.9	6	6.1	6.4	6.6	7	7.3	7.6	7.8	7.9	7.9	7.8	7.6	7.4	7.2	7	6.9	6.8	6.7	6.6	6.5	6.4	6.2
																10												

Illuminance [lx]



Part1

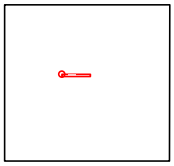
Height reference plane		: 0.00 m
Average illuminance	Em	: 7.8 lx
Minimum illuminance	Emin	: 3.3 lx
Maximum illuminance	Emax	: 53.2 lx
Uniformity Uo	Emin/Em	: 1 : 2.36 (0.42)
Diversity Ud	Emin/Emax	: 1 : 16.03 (0.06)

1.2 Calculation results, Exterior 1

1.2.16 Table, Ext car park 2 (E)

4	3.9	3.8	3.8	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.7	3.8	3.9	4	4.2	4.3	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.2
3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.5	3.4	3.4	3.5	3.5	3.6	3.6	3.8	3.9	4	4.2	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.3
3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.4	4.5	4.6	4.7	4.7	4.8	4.7	4.7	4.6	4.6	4.5
3.7	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.8	3.9	4	4.1	4.3	4.5	4.7	4.8	5	5	5.1	5.1	5.1	5	4.9	4.9	4.8
3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.9	3.9	4	4	4.1	4.1	4.3	4.4	4.5	4.7	4.9	5.1	5.3	5.5	5.6	5.6	5.6	5.6	5.5	5.4	5.3	5.2
4.4	4.3	4.3	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.7	4.8	5	5.2	5.4	5.6	5.8	6.1	6.2	6.3	6.3	6.3	6.3	6.2	6	5.9	5.8
5	4.9	4.9	4.9	4.9	5	5	5.1	5.2	5.3	5.3	5.3	5.4	5.5	5.6	5.8	6	6.3	6.5	6.8	7	7.2	7.3	7.4	7.3	7.2	7.1	7	6.9	6.8
6	5.9	5.8	5.8	5.8	5.9	6.1	6.2	6.3	6.4	6.4	6.5	6.5	6.5	6.6	6.8	7	7.4	7.7	8.1	8.4	8.6	8.7	8.7	8.6	8.5	8.4	8.2	8.1	8

20 30



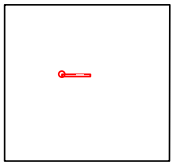
Part2

1.2 Calculation results, Exterior 1

1.2.16 Table, Ext car park 2 (E)

4.2	4.1	4.2	4.2	4.2	4.3	4.4	4.5	4.6	4.7	4.8	5	5.2	5.3	5.5	5.6	5.7	5.8	5.8	5.8	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.6
4.3	4.2	4.2	4.2	4.3	4.3	4.4	4.5	4.6	4.7	4.9	5	5.2	5.4	5.6	5.7	5.8	5.9	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.8	5.9	6	6.1	6.4
4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.6	4.7	4.9	5.1	5.2	5.4	5.6	5.8	6	6	6.1	6.1	6.1	6	6	6	6	6	6.2	6.3	6.6	7	7.4
4.7	4.7	4.6	4.7	4.7	4.7	4.8	4.9	5.1	5.2	5.4	5.6	5.8	6	6.2	6.4	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.3	6.4	6.6	6.9	7.3	7.8	8.5
5.1	5.1	5.1	5.1	5.1	5.2	5.3	5.4	5.6	5.8	6	6.2	6.5	6.7	6.9	7.1	7.2	7.2	7.2	7.1	7	7	6.9	6.8	6.9	7.1	7.4	7.9	8.5	9.4
5.8	5.8	5.8	5.8	5.8	5.9	6	6.2	6.4	6.6	6.9	7.2	7.5	7.8	8	8.2	8.3	8.3	8.3	8.2	8	7.9	7.8	7.7	7.7	7.9	8.2	8.6	9.3	10.2
6.8	6.8	6.8	6.7	6.8	6.9	7	7.2	7.5	7.8	8.2	8.6	8.9	9.3	9.6	9.9	10	10	9.9	9.7	9.5	9.3	9	8.9	8.8	9	9.2	9.6	10.2	11
8	8.1	8.1	8.2	8.2	8.2	8.3	8.6	9	9.4	9.9	10.5	11.1	11.6	12.1	12.4	12.4	12.3	12.1	11.8	11.4	11.1	10.7	10.5	10.4	10.4	10.6	10.8	11.2	11.8

40 50



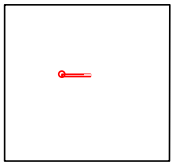
Part3

1.2 Calculation results, Exterior 1

1.2.16 Table, Ext car park 2 (E)

5.6	5.7	5.7	5.6	5.5	5.4	5.5	5.5	5.6	5.8	5.9	5.8	5.7	5.6	5.4	5.2	5.1	5.1	5.1	5.1	5.1	5	4.8	4.6	4.4	4.4	4.2	4.2
6.6	6.8	7.1	7.4	7.6	7.9	8.3	8.6	9.1	9.5	9.8	9.8	9.6	9.1	8.7	8.2	7.7	7.3	6.9	6.6	6.2	5.9	5.5	5.1	4.7	4.6	4.3	4.1
7.9	8.4	9	9.7	10.6	11.5	12.5	13.3	14.1	14.8	15.3	15.4	15	14.3	13.5	12.6	11.6	10.5	9.6	8.6	7.9	7.2	6.5	5.8	5.2	4.9	4.4	4.1
9.3	10.1	11	12.2	13.7	15.6	17.5	19	20.2	20.9	21.4	21.6	21.1	20.3	19.3	18	16.1	14.1	12.2	10.8	9.6	8.5	7.5	6.5	5.7	5.1	4.5	4
10.5	11.6	12.8	14.2	16.2	19	21.9	24.2	25.4	26	26.8	27.2	26.1	25.4	24.5	22.9	20.1	16.9	14.4	12.5	11.1	9.7	8.3	7.1	6	5.4	4.6	4.1
11.3	12.6	14.1	15.9	18.6	22.5	27	31.3	33.9	36.9	39.1	39.9	38.5	35.2	32.6	29	24.4	20.1	16.4	13.9	12.1	10.5	9	7.6	6.4	5.6	4.8	4.2
12	13.2	14.7	16.8	20	24.4	30.3	36.5	41.8	45.3	48.6	49.4	47.2	43.7	39.2	33.4	27	21.5	17.5	14.7	12.7	11	9.5	8	6.7	5.9	5.1	4.4
12.6	13.7	15.1	17.2	20.3	24.7	30.2	37	44.3	49.3	52.4	**[53.2]**	50.9	46.9	40.7	33.3	27	22	18.1	15.2	13.1	11.5	9.9	8.5	7.2	6.4	5.4	4.7

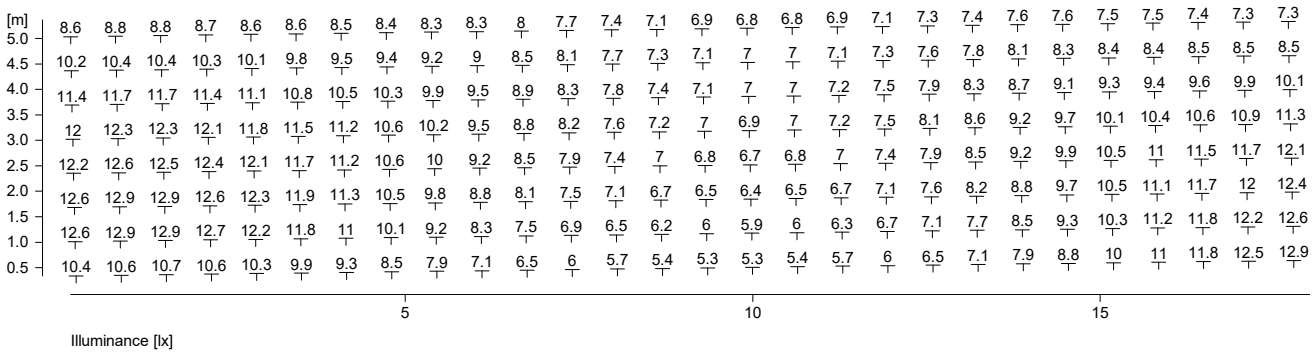
60 [m]

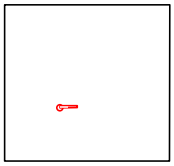


Part4

1.2 Calculation results, Exterior 1

1.2.17 Table, Ext car park 3 (E)





Part1

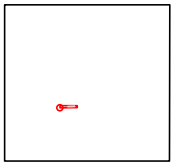
Height reference plane		: 0.00 m
Average illuminance	Em	: 8.3 lx
Minimum illuminance	Emin	: 4.4 lx
Maximum illuminance	Emax	: 14.6 lx
Uniformity Uo	Emin/Em	: 1 : 1.86 (0.54)
Diversity Ud	Emin/Emax	: 1 : 3.30 (0.30)

1.2 Calculation results, Exterior 1

1.2.17 Table, Ext car park 3 (E)

7.3	7.2	7.2																										
8.6	8.6	8.5	8.2	8	7.8	7.6	7.4	7.2	6.9	6.5	6.1	5.8	5.5	5.2	5	4.9	4.8	4.7	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.8
10.2	10.2	10	9.8	9.4	9	8.6	8.4	8	7.5	7	6.5	6.1	5.7	5.4	5.2	5	4.9	4.8	4.7	4.7	4.7	4.7	4.8	4.9	5	5.2	5.3	5.6
11.6	11.7	11.4	11	10.5	10	9.7	9.3	8.8	8.2	7.5	6.8	6.2	5.8	5.4	5.2	5	4.9	4.8	4.8	4.7	4.8	4.8	4.9	5.1	5.4	5.7	6.1	6.4
12.3	12.3	12.1	11.8	11.3	10.9	10.4	9.7	9	8.3	7.5	6.8	6.2	5.7	5.4	5.1	5	4.9	4.8	4.8	4.8	4.9	5	5.2	5.5	5.8	6.3	6.7	7.2
12.5	12.6	12.5	12.1	11.7	11.2	10.5	9.7	8.9	8.1	7.4	6.7	6.1	5.6	5.3	5	4.9	4.8	4.8	4.8	4.8	4.9	5	5.2	5.5	5.8	6.3	6.8	7.3	7.8
12.9	12.9	12.7	12.3	11.9	11.3	10.6	9.7	8.7	7.8	7	6.4	5.9	5.4	5.1	4.9	4.7	4.7	4.7	4.7	4.7	4.9	5	5.3	5.6	6.1	6.6	7.3	7.9	8.6
13.2	13.3	13.1	12.7	12.2	11.5	10.6	9.5	8.4	7.4	6.6	6	5.5	5.1	4.8	4.6	4.5	**(4.4)**	4.5	4.6	4.7	4.9	5.2	5.6	6.1	6.8	7.6	8.4	9.3

20 25 30 35



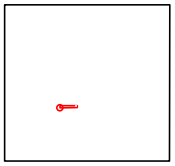
Part2

1.2 Calculation results, Exterior 1

1.2.17 Table, Ext car park 3 (E)

4.9	5	5.3	5.7	6.3	7	7.8	8.7
5.8	6.1	6.5	7	7.6	8.2	8.9	9.8
6.8	7.1	7.4	7.9	8.3	8.9	9.6	10.4
7.5	7.8	8.1	8.4	9	9.5	10.3	10.9
8.3	8.7	9.1	9.7	10.2	10.8	11.5	12.1
9.2	9.8	10.3	11	11.7	12.4	12.9	13.5
10.1	10.8	11.4	12	12.7	13.5	14.1	**[14.6]**

40 [m]

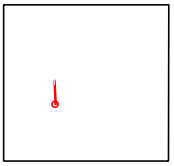


Part3

1.2 Calculation results, Exterior 1

1.2.18 Table, Footpath 1 (E)

[m]							
				6.1	6.8	7.5	8.3
	3.9	4.4	5	5.7	6.3	6.9	7.6
	3.7	4.1	4.7	5.3	5.8	6.4	7
	3.5	4	4.4	5	5.4	6	6.5
	3.4	3.8	4.2	4.7	5.1	5.5	6
	3.3	3.6	4	4.4	4.7	5.1	5.4
	3.1	3.4	3.7	4	3.6	3.8	4
	2.4	2.6	2.8	3	2	2.1	2.2
	(1.4)	1.5	1.7	1.9	2	2.1	2.2
	(1.4)	1.6	1.7	1.8	2	2.1	2.2
	(1.4)	1.6	1.7	1.8	2	2	2.1
55	1.5	1.6	1.7	1.8	1.9	1.8	1.9
		1.6	1.7	1.7	1.8	1.9	2
		(1.4)	1.5	1.6	1.8	1.9	2
		(1.4)	1.5	1.7	1.8	1.9	2
		(1.4)	1.5	1.6	1.8	1.9	2
		(1.4)	1.5	1.6	1.7	1.8	1.9
		(1.4)	1.5	1.6	1.7	1.9	2
		(1.4)	1.5	1.7	1.8	1.9	2	2.1
		1.5	1.6	1.7	1.8	1.9	2	2.1
		1.5	1.6	1.7	1.8	1.9	2.1	2.2
		1.5	1.6	1.7	1.9	2	2.1	2.2
		1.5	1.6	1.8	1.9	2	2.1	2.3
		1.5	1.7	1.8	1.9	2	2.2	2.3
		1.5	1.7	1.8	1.9	2.1	2.2	2.3
		1.6	1.7	1.8	2	2.1	2.2	2.4
		1.6	1.7	1.8	2	2.1	2.3	2.4
		1.6	1.7	1.9	2	2.1	2.3	2.4
		1.6	1.7	1.9	2	2.2	2.3	2.5
50		1.6	1.8	1.9	2.1	2.2	2.4	2.5
		1.6	1.8	1.9	2.1	2.2	2.4	2.6
		1.6	1.8	2	2.1	2.3	2.4	2.6
		1.6	1.8	2	2.2	2.3	2.5	2.7
		1.7	1.8	2	2.2	2.4	2.6	2.7
		1.7	1.8	2	2.2	2.4	2.6	2.8
			1.9	2.1	2.3	2.5	2.7	2.9
			1.9	2.1	2.3	2.5	2.7	2.9
			1.9	2.1	2.4	2.6	2.8	3



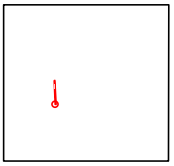
Part1

Height reference plane		: 0.00 m
Average illuminance	Em	: 3.7 lx
Minimum illuminance	Emin	: 1.4 lx
Maximum illuminance	Emax	: 10.2 lx
Uniformity Uo	Emin/Em	: 1 : 2.73 (0.37)
Diversity Ud	Emin/Emax	: 1 : 7.46 (0.13)

1.2 Calculation results, Exterior 1

1.2.18 Table, Footpath 1 (E)

1.9	2.2	2.4	2.6	2.9	3.1	3.3	
1.9	2.2	2.4	2.7	2.9	3.2	3.4	
2	2.2	2.5	2.8	3	3.2	3.5	
2	2.2	2.5	2.8	3.1	3.3	3.6	
2	2.2	2.5	2.9	3.1	3.4	3.7	
2	2.2	2.6	2.9	3.2	3.5	3.8	
2	2.2	2.6	2.9	3.3	3.6	3.9	
2	2.2	2.6	3	3.3	3.7	4	
2	2.2	2.6	3	3.4	3.7	4.1	
2	2.2	2.6	3	3.4	3.8	4.2	
2	2.2	2.6	3	3.5	3.9	4.3	
2	2.2	2.5	3	3.6	4.1	4.4	
2	2.2	2.6	3.1	3.6	4.1	4.5	
2	2.2	2.6	3	3.6	4.2	4.6	
2.1	2.3	2.6	3	3.6	4.2	4.7	
2.1	2.3	2.6	3	3.6	4.3	4.8	
2.2	2.3	2.6	3	3.6	4.3	4.9	
2.1	2.3	2.5	2.9	3.5	4.3	5	
2.2	2.4	2.6	2.9	3.5	4.3	5.1	
2.2	2.4	2.6	2.9	3.5	4.3	5.2	
	2.5	2.6	2.9	3.4	4.3	5.3	6
	2.5	2.7	3	3.4	4.3	5.3	6.2
	2.6	2.8	3	3.4	4.2	5.4	6.3
	2.6	2.8	3	3.4	4.2	5.4	6.5
	2.7	2.9	3.1	3.4	4.2	5.5	6.7
	2.8	3	3.2	3.5	4.1	5.5	6.8
	2.9	3	3.3	3.5	4.1	5.5	7
	3	3.1	3.3	3.6	4.1	5.5	7.1
	3.1	3.2	3.5	3.7	4.1	5.4	7.3
	3.2	3.4	3.6	3.8	4.2	5.4	7.4
	3.3	3.5	3.7	3.9	4.2	5.3	7.4
	3.4	3.6	3.8	4	4.3	5.3	7.5
	3.5	3.7	3.9	4.1	4.4	5.3	7.6
	3.7	3.9	4.1	4.3	4.5	5.3	7.6
	3.8	4	4.2	4.4	4.7	5.4	7.6
	3.9	4.1	4.3	4.6	4.8	5.4	7.6
	4	4.2	4.5	4.7	4.9	5.5	7.6
	4.1	4.3	4.6	4.8	5	5.5	7.6



Part2

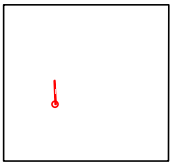
1.2 Calculation results, Exterior 1

1.2.18 Table, Footpath 1 (E)

4.2	4.4	4.7	4.8	5	5.5	7.7		
4.2	4.5	4.7	4.9	5.1	5.6	7.7		
4.3	4.5	4.8	4.9	5.1	5.6	7.6	**[10.2]**	
4.3	4.5	4.8	4.9	5.1	5.6	7.7	**[10.2]**	
	4.5	4.8	4.9	5.1	5.6	7.7	**[10.2]**	
	4.5	4.7	4.9	5.1	5.6	7.5	**[10.2]**	
	4.4	4.7	4.9	5.1	5.5	7.6	**[10.2]**	
	4.4	4.6	4.8	5	5.5	7.6	10.1	
	4.3	4.5	4.7	4.9	5.4	7.6	10	
	4.2	4.4	4.6	4.8	5.4	7.6	9.9	
	4.1	4.3	4.5	4.7	5.3	7.6	9.8	
	3.9	4.1	4.3	4.6	5.3	7.5	9.6	
	3.8	4	4.2	4.4	5.2	7.5	9.5	
	3.6	3.8	4	4.3	5.2	7.5	9.3	
	3.5	3.7	3.9	4.2	5.2	7.4	9.1	
	3.4	3.6	3.8	4.1	5.2	7.3	8.9	
	3.2	3.4	3.7	4	5.3	7.3	8.7	
	3.1	3.3	3.6	4	5.3	7.1	8.4	
	3	3.2	3.5	4	5.4	7	8.2	
	2.9	3.1	3.4	4	5.4	6.9	7.9	
	2.9	3.1	3.4	4	5.4	6.7	7.6	
	2.8	3	3.3	4.1	5.4	6.5	7.4	
	2.8	3	3.3	4.2	5.4	6.4	7.2	7.9
	2.8	3	3.4	4.2	5.3	6.2	7	7.6
	2.7	3	3.4	4.3	5.3	6.1	6.8	7.4
	2.7	3	3.5	4.3	5.3	6	6.6	7.2
	2.7	3	3.5	4.4	5.2	5.9	6.5	7
		3	3.6	4.4	5.2	5.8	6.3	6.8
		3.1	3.7	4.4	5.1	5.7	6.2	6.7
		3.1	3.8	4.5	5.1	5.6	6.1	6.5
		3.2	3.8	4.5	5.1	5.5	6	6.4
		3.2	3.8	4.5	5	5.4	5.9	6.3
		3.3	3.8	4.4	4.9	5.4	5.8	6.1
		3.3	3.9	4.4	4.8	5.3	5.7	6
		3.3	3.9	4.4	4.8	5.2	5.5	5.9
		3.4	3.9	4.3	4.7	5.1	5.4	5.8
		3.4	3.8	4.3	4.6	5	5.3	5.7
		3.4	3.8	4.2	4.6	4.9	5.2	5.6

35

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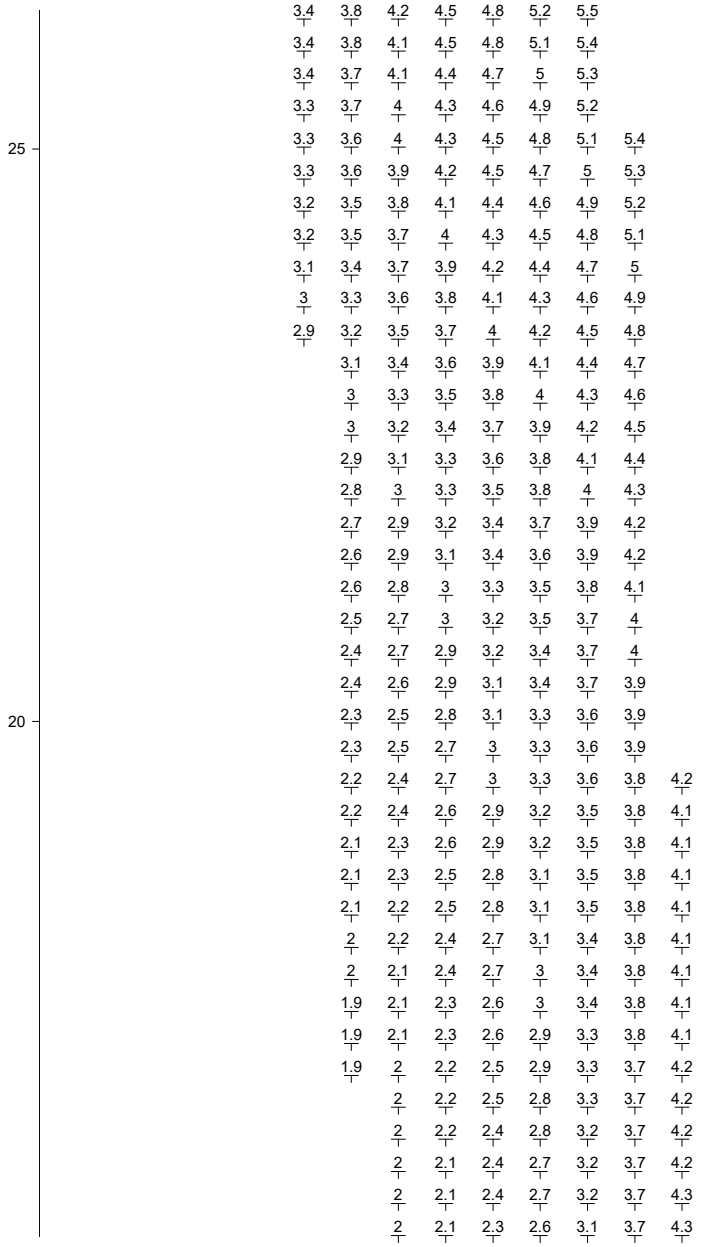


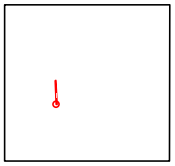
Part3

1.2 Calculation results, Exterior 1

1.2.18 Table, Footpath 1 (E)

3.4	3.8	4.2	4.5	4.8	5.2	5.5	
3.4	3.8	4.1	4.5	4.8	5.1	5.4	
3.4	3.7	4.1	4.4	4.7	5	5.3	
3.3	3.7	4	4.3	4.6	4.9	5.2	
3.3	3.6	4	4.3	4.5	4.8	5.1	5.4
3.3	3.6	3.9	4.2	4.5	4.7	5	5.3
3.2	3.5	3.8	4.1	4.4	4.6	4.9	5.2
3.2	3.5	3.7	4	4.3	4.5	4.8	5.1
3.1	3.4	3.7	3.9	4.2	4.4	4.7	5
3	3.3	3.6	3.8	4.1	4.3	4.6	4.9
2.9	3.2	3.5	3.7	4	4.2	4.5	4.8
	3.1	3.4	3.6	3.9	4.1	4.4	4.7
	3	3.3	3.5	3.8	4	4.3	4.6
	3	3.2	3.4	3.7	3.9	4.2	4.5
	2.9	3.1	3.3	3.6	3.8	4.1	4.4
	2.8	3	3.3	3.5	3.8	4	4.3
	2.7	2.9	3.2	3.4	3.7	3.9	4.2
	2.6	2.9	3.1	3.4	3.6	3.9	4.2
	2.6	2.8	3	3.3	3.5	3.8	4.1
	2.5	2.7	3	3.2	3.5	3.7	4
	2.4	2.7	2.9	3.2	3.4	3.7	4
	2.4	2.6	2.9	3.1	3.4	3.7	3.9
	2.3	2.5	2.8	3.1	3.3	3.6	3.9
	2.3	2.5	2.7	3	3.3	3.6	3.9
	2.2	2.4	2.7	3	3.3	3.6	3.8	4.2
	2.2	2.4	2.6	2.9	3.2	3.5	3.8	4.1
	2.1	2.3	2.6	2.9	3.2	3.5	3.8	4.1
	2.1	2.3	2.5	2.8	3.1	3.5	3.8	4.1
	2.1	2.2	2.5	2.8	3.1	3.5	3.8	4.1
	2	2.2	2.4	2.7	3.1	3.4	3.8	4.1
	2	2.1	2.4	2.7	3	3.4	3.8	4.1
	1.9	2.1	2.3	2.6	3	3.4	3.8	4.1
	1.9	2.1	2.3	2.6	2.9	3.3	3.8	4.1
	1.9	2	2.2	2.5	2.9	3.3	3.7	4.2
		2	2.2	2.5	2.8	3.3	3.7	4.2
		2	2.2	2.4	2.8	3.2	3.7	4.2
		2	2.1	2.4	2.7	3.2	3.7	4.2
		2	2.1	2.4	2.7	3.2	3.7	4.3
		2	2.1	2.3	2.6	3.1	3.7	4.3

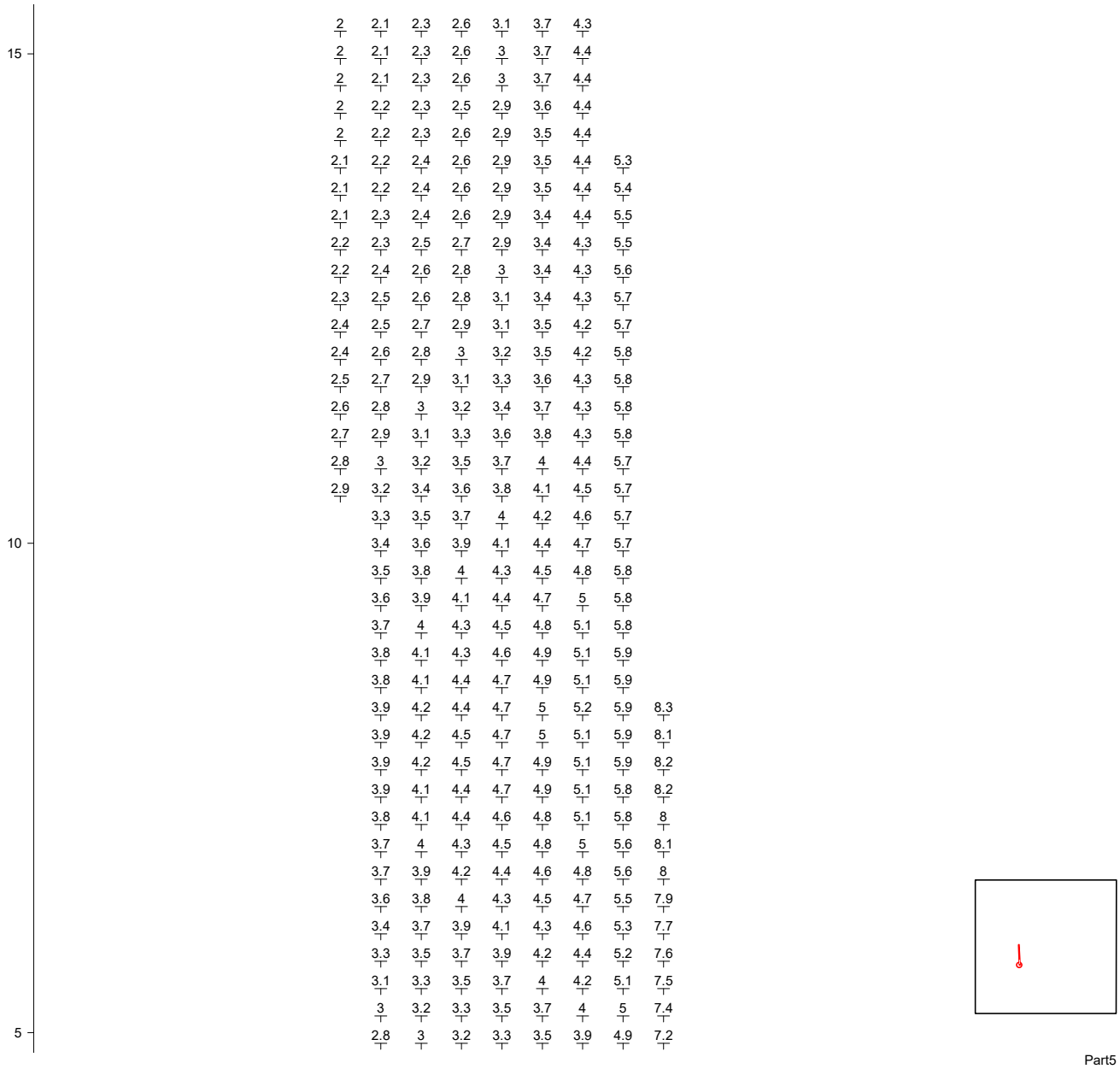




Part4

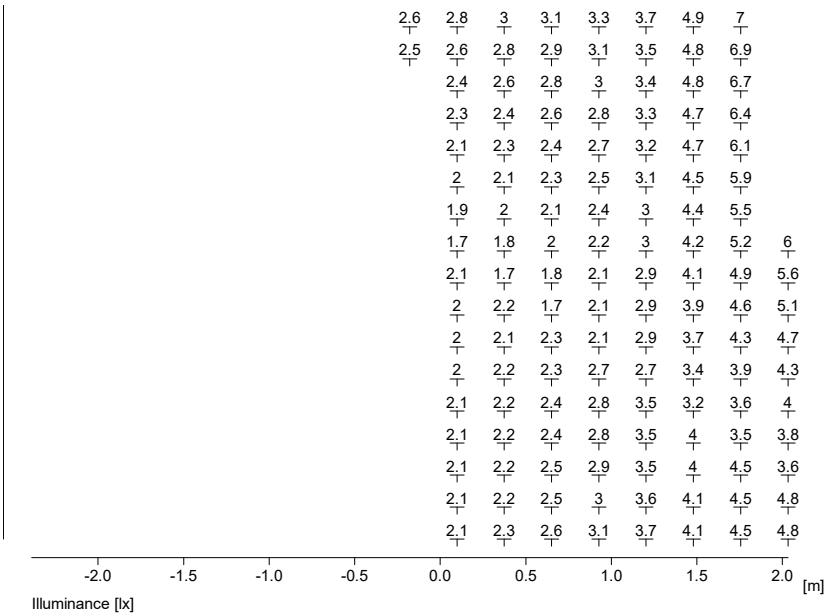
1.2 Calculation results, Exterior 1

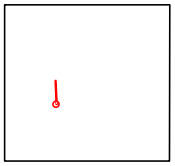
1.2.18 Table, Footpath 1 (E)



1.2 Calculation results, Exterior 1

1.2.18 Table, Footpath 1 (E)

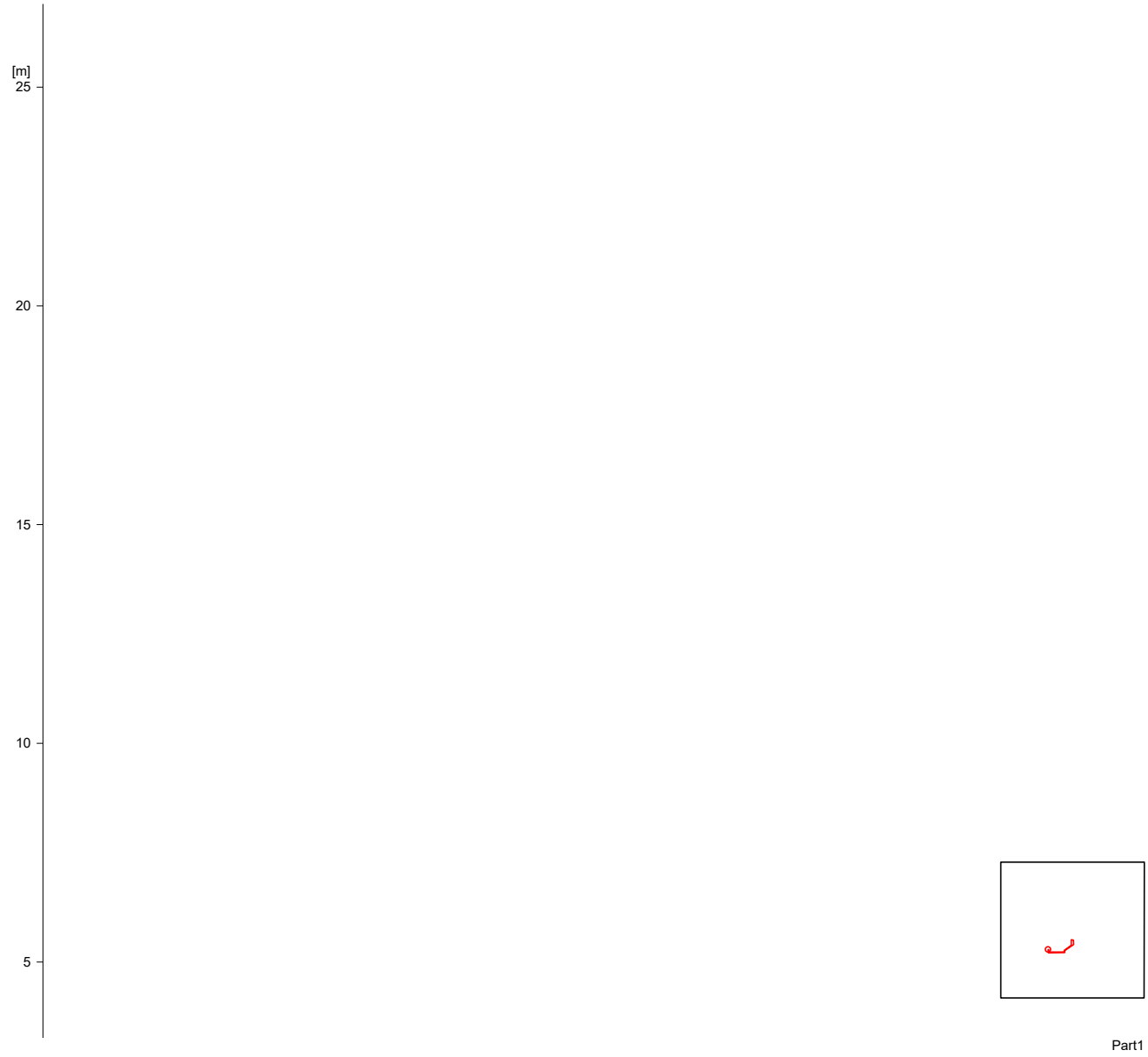




Part6

1.2 Calculation results, Exterior 1

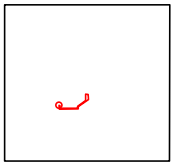
1.2.19 Table, Footpath 2 (E)



Height reference plane		: 0.00 m
Average illuminance	Em	: 8.9 lx
Minimum illuminance	Emin	: 1.1 lx
Maximum illuminance	Emax	: 57.7 lx
Uniformity Uo	Emin/Em	: 1 : 8.44 (0.12)
Diversity Ud	Emin/Emax	: 1 : 54.64 (0.02)

1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)



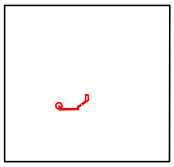
Part2

1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)

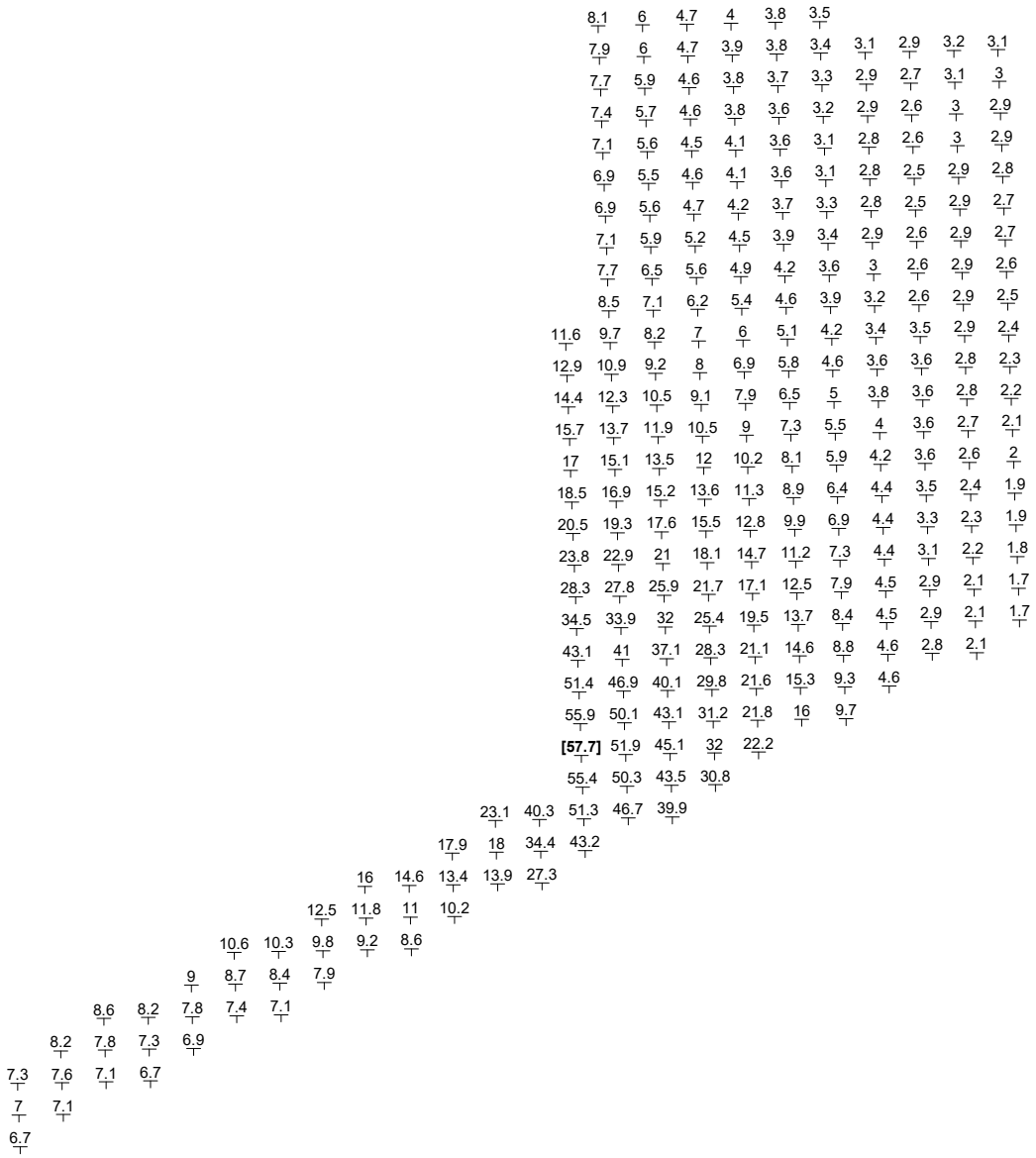
				7.9
			8.2	7.5
		9.3	8.7	8	7.3
10.1	9.4	8.7	8	

Part3



1.2 Calculation results, Exterior 1

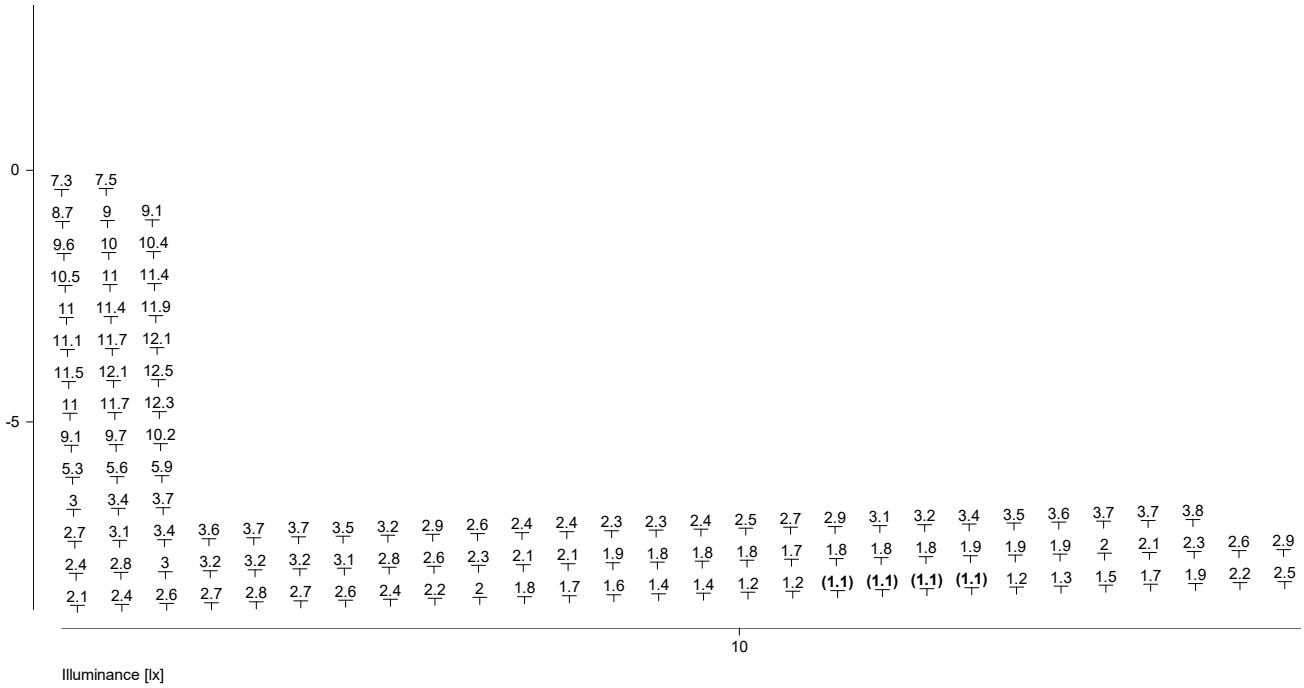
1.2.19 Table, Footpath 2 (E)



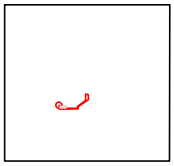
Part4

1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)



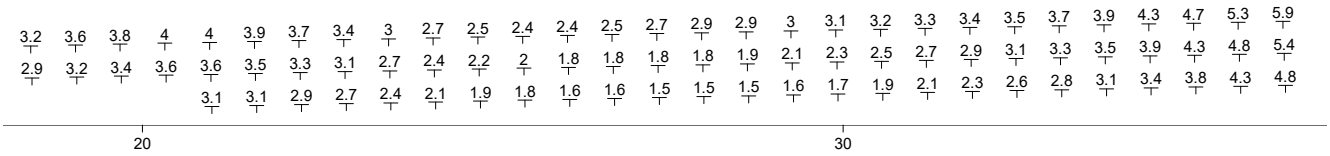
7.3	7.5																													
8.7	9	9.1																												
9.6	10	10.4																												
10.5	11	11.4																												
11	11.4	11.9																												
11.1	11.7	12.1																												
11.5	12.1	12.5																												
11	11.7	12.3																												
9.1	9.7	10.2																												
5.3	5.6	5.9																												
3	3.4	3.7																												
2.7	3.1	3.4	3.6	3.7	3.7	3.5	3.2	2.9	2.6	2.4	2.4	2.3	2.3	2.4	2.5	2.7	2.9	3.1	3.2	3.4	3.5	3.6	3.7	3.7	3.8					
2.4	2.8	3	3.2	3.2	3.2	3.1	2.8	2.6	2.3	2.1	2.1	1.9	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2	2.1	2.3	2.6	2.9			
2.1	2.4	2.6	2.7	2.8	2.7	2.6	2.4	2.2	2	1.8	1.7	1.6	1.4	1.4	1.2	1.2	(1.1)	(1.1)	(1.1)	(1.1)	1.2	1.3	1.5	1.7	1.9	2.2	2.5			

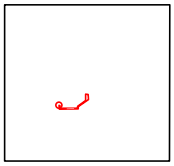


Part5

1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)

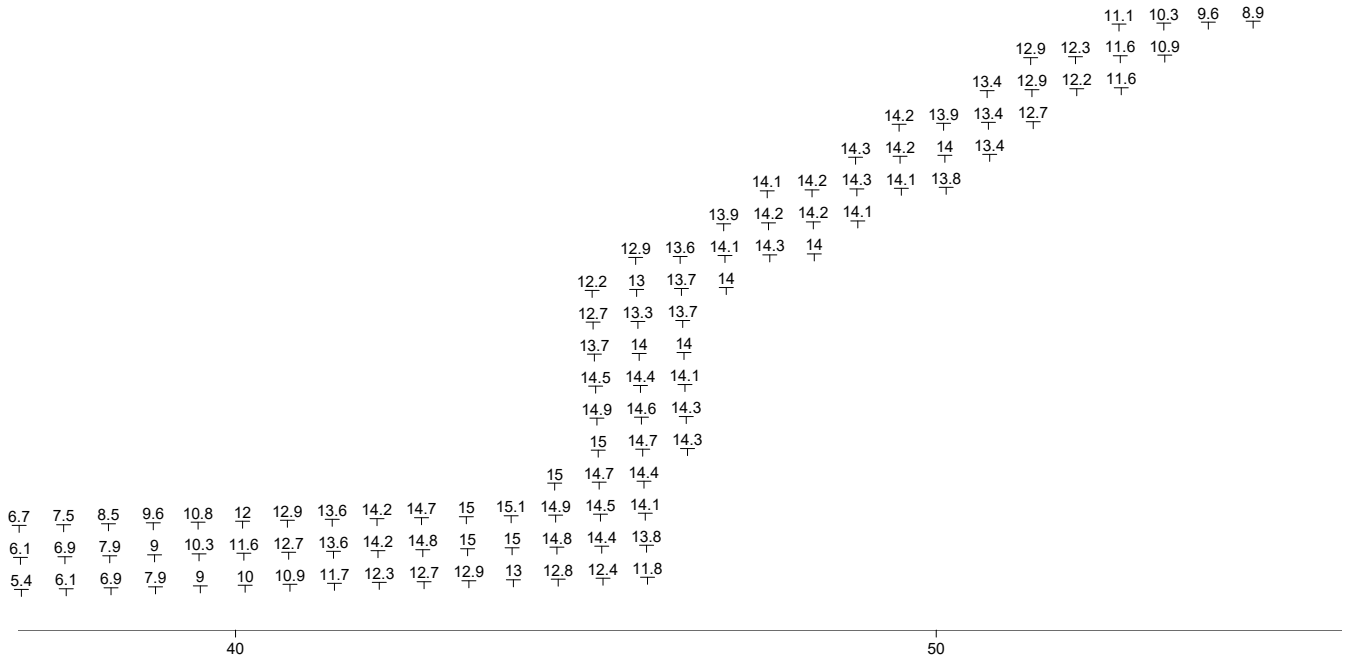


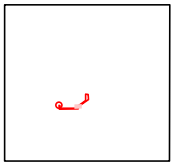


Part6

1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)



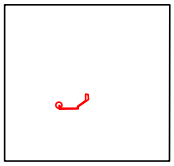


Part7

1.2 Calculation results, Exterior 1

1.2.19 Table, Footpath 2 (E)





Part8

1.2 Calculation results, Exterior 1

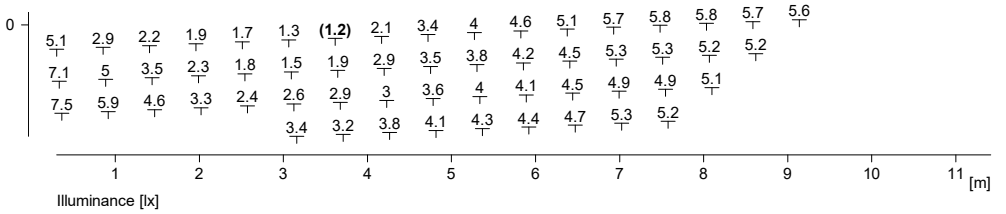
1.2.20 Table, Footpath 3 (E)

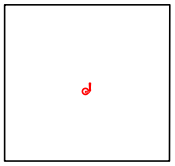


Height reference plane		: 0.00 m
Average illuminance	Em	: 20.1 lx
Minimum illuminance	Emin	: 1.2 lx
Maximum illuminance	Emax	: 67.9 lx
Uniformity Uo	Emin/Em	: 1 : 17.18 (0.06)
Diversity Ud	Emin/Emax	: 1 : 58.07 (0.02)

1.2 Calculation results, Exterior 1

1.2.20 Table, Footpath 3 (E)





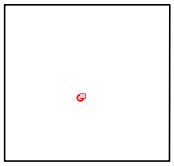
Part2

1.2 Calculation results, Exterior 1

1.2.21 Table, Charging Points (E)

[m]	1	2	3	4	5	6	7	8	9	10
9	85.6	84.6	53.7	32.1	27.9	40.3	69.5	87	64	32.3
8	74.3	73.4	48.5	30.2	26.5	37.1	60.8	74.6	55.8	29.6
7	46.5	45.8	34.5	24.9	22.5	27.8	38.5	43.7	35.1	21.6
6	30.2	29.3	24.7	20.4	19.1	20.8	24.4	25.9	21.8	15.7
5	24.7	23.9	21.4	18.6	17.7	18.5	20	19.9	17.6	**(13.8)**
4	29.2	28.2	23.9	20.3	19.2	20.8	24	25.1	21.4	16.2
3	44.3	43.1	33.1	24.6	22.9	27.7	37.4	41.8	34.1	22.4
2	71.1	69.7	47.1	30.4	27.4	37.5	59.5	72	55	31.3
1	87.1	85.9	54.9	33.4	29.7	43.1	73.3	**[91.5]**	68	36.1

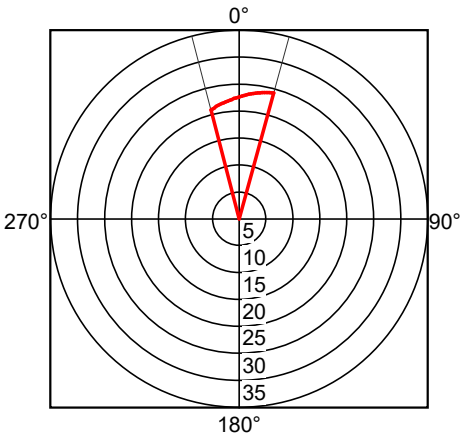
Illuminance [lx]

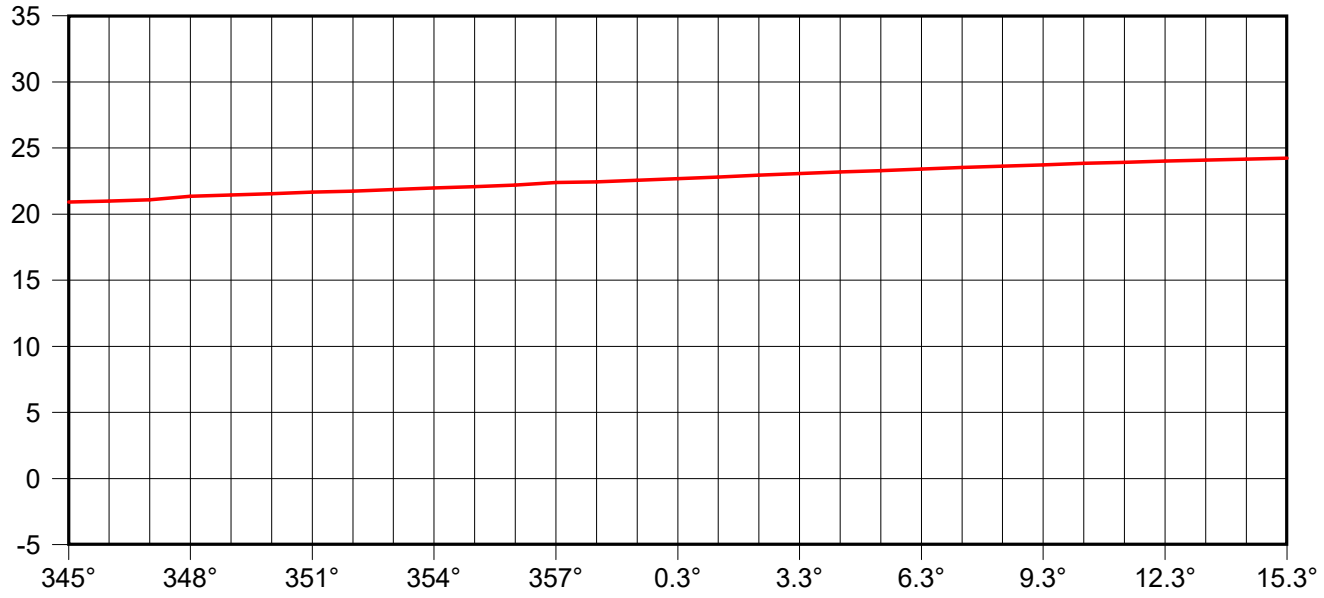


Height reference plane		: 0.17 m
Average illuminance	Em	: 39.1 lx
Minimum illuminance	Emin	: 13.8 lx
Maximum illuminance	Emax	: 91.5 lx
Uniformity Uo	Emin/Em	: 1 : 2.84 (0.35)
Diversity Ud	Emin/Emax	: 1 : 6.65 (0.15)

1.2 Calculation results, Exterior 1

1.2.22 Glare Rating (UGR) - Ramp

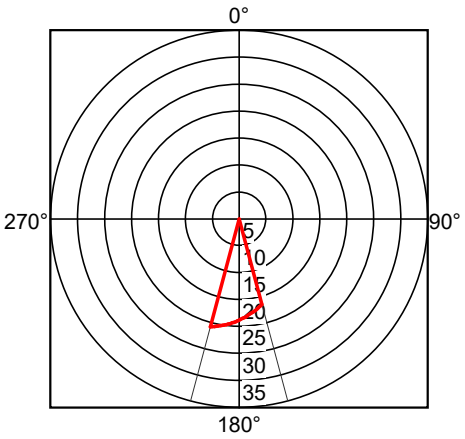


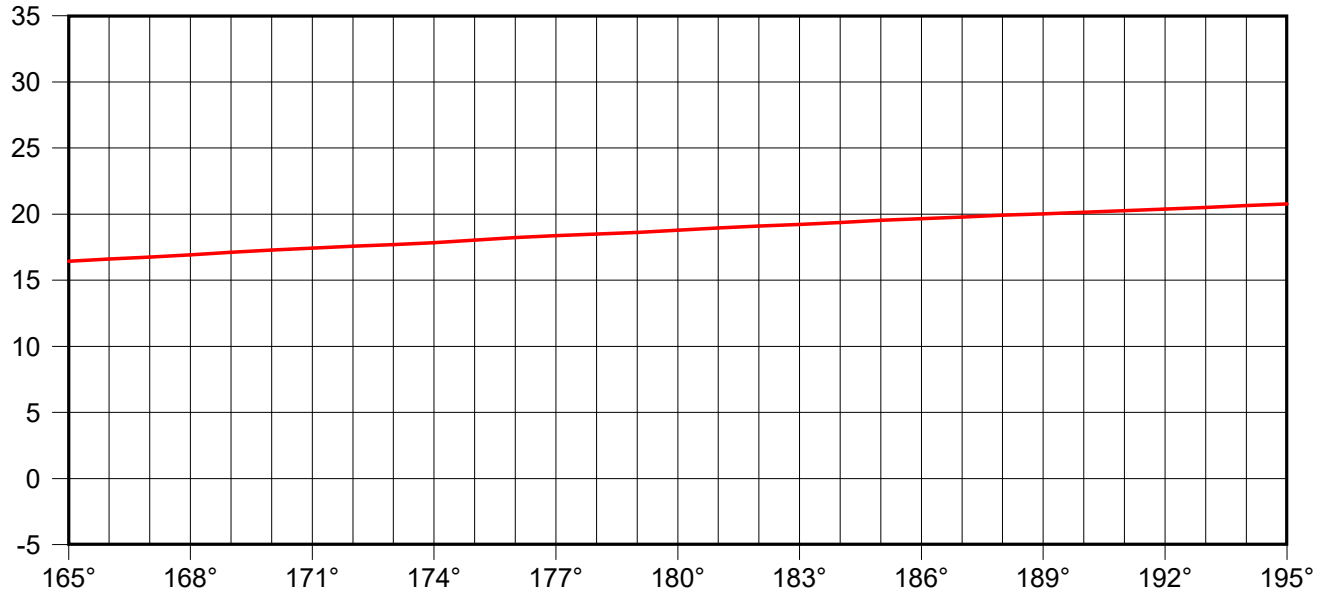


Observer location	: x = 159.91 m, y = 174.27 m, z = 1.60 m : 0.34° (0.01, 1.00, 0.00)
Maximum degree of glare	: 24.2

1.2 Calculation results, Exterior 1

1.2.23 Glare Rating (UGR) - Entrance



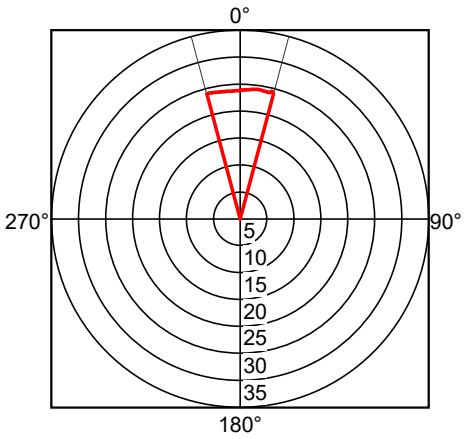


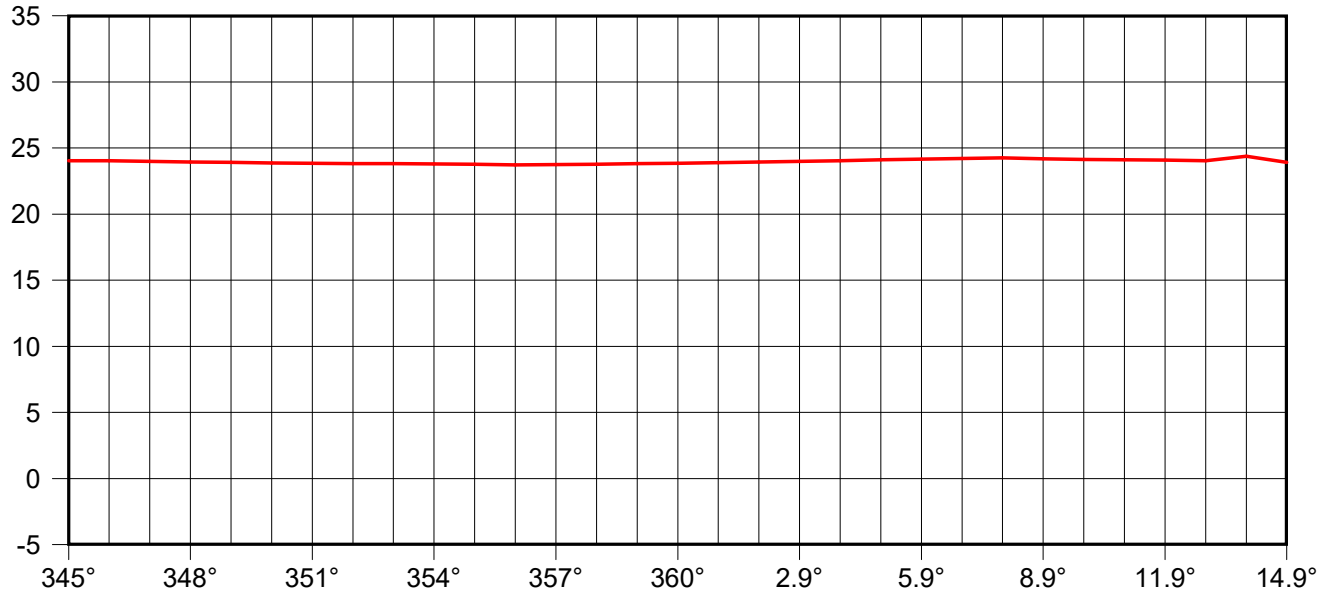
Observer location : x = 195.09 m, y = 164.49 m, z = 1.60 m
: 180.07° (-0.00, -1.00, 0.00)

Maximum degree of glare : 20.8

1.2 Calculation results, Exterior 1

1.2.24 Glare Rating (UGR) - Exit





Observer location	: x = 203.12 m, y = 175.97 m, z = 1.60 m : 359.91° (-0.00, 1.00, 0.00)
Maximum degree of glare	: 24.4

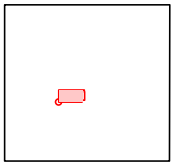
1 Exterior 1

1.3 Calculation results, Exterior 1

1.3.1 Table, Emergency area 11 (E)

[m]																										
27.5	5.8	5.5	2.7	1.1	(0.6)	(0.6)	1	2.2	6	10.5	4.3	1.4	0.9	1.2	3.3	9.2	6.9	3.1	1.9	1.8	2.3	3.3	2.5	1.5	1.1	1.3	2.7
	1.4	1.5	1.1	0.7	(0.6)	0.8	1.3	3.6	10	14.7	5.4	1.7	1.1	1.6	4.7	15.2	10.2	3.3	1.6	1.5	2	2.7	2.8	1.9	1.2	1.5	4.6
25.0	0.7	0.8	0.8	0.7	0.9	1.3	1.8	3.3	7.4	9.6	4.1	1.8	1.7	1.9	3.8	10.5	7.1	2.5	1.8	2.1	3.5	6.8	8.5	4	1.5	1.5	4.2
22.5	1	1.5	1.4	1.2	1.7	3.4	4.2	2.6	2.4	2.6	2.2	2.8	4.6	3.1	2.2	2.7	2.5	2.3	3.5	4.8	7.4	17.2	10.7	3.8	1.5	1.4	2.5
20.0	2.8	5.2	3.8	2.1	4.1	9.1	10.1	3.5	1.6	1.4	2.3	6	12.6	6.3	2.1	1.4	1.6	3.1	9.2	10.9	8.5	11.3	6.9	2.7	1.3	1.5	3.7
17.5	9.1	13	7.5	2.9	6.2	13.9	14.2	4	1.5	1.3	2.6	8.4	[19.2]	8.3	2.1	1.3	1.5	3.9	15.5	15	6	3.7	2.8	1.7	1.2	1.5	5
15.0	8.5	11.9	6.8	2.4	2.7	4.3	4.4	2.3	1.6	1.7	2	3.4	5.3	3.4	1.9	1.6	1.7	2.5	4.7	5	3.8	3.7	3.3	1.9	1.2	1.3	2.6
12.5	2.5	3	2.1	1.3	1.3	1.5	1.6	2	3.3	4.1	2.7	1.9	1.7	1.7	2.5	4.2	3.5	2.2	2	2.4	4.8	12.2	9.4	3.7	1.4	1.3	2.4
10.0	1	1.1	0.9	0.8	0.8	0.9	1.3	3.1	9.4	16.7	5.9	1.8	1.3	1.6	4.8	16.2	10.8	3.5	1.7	1.9	5.1	15.3	11.5	4.3	1.5	1.5	4.4
7.5	0.7	0.8	0.9	0.9	1	1.1	1.4	3.5	9.2	12.1	5	1.9	1.3	1.6	4.3	13.2	9.3	3.3	1.7	1.5	2.8	6.4	4.4	2.2	1.5	1.7	4.2
5.0	1.4	2	1.9	1.8	2.3	2.4	1.8	2.7	4.7	4.3	3.4	3	2.1	1.5	2.4	5.3	4.6	3.3	2.6	1.7	1.6	2	1.9	2.1	2.5	2.4	2.9
2.5	4.3	8.2	6.3	4.1	8.1	9.6	3	1.5	1.7	2.4	5.5	11.2	5.1	1.7	1.3	2	3.6	9.1	8.3	3.6	1.4	1.1	1.7	4.8	8.7	7.4	2.5
	8.1	13.8	9.2	6.9	12.3	11.6	3.2	1.2	1.1	2.6	7.9	15.7	6.6	1.7	1	1.3	3.8	13.2	11.6	4.2	1.3	0.9	1.8	7	13.2	9.1	
	9	8.2	4.6	6.1	8.4	5.4	2	0.8	0.9	2.2	5.8	8.9	4.1	1.2	0.7	0.9	2.6	8.6	7	2.2	0.9	0.7	1.4	5.5	9.2	3.7	
		5		10		15		20		25		30		35		40		45		50		55					

Illuminance [lx]



Part1

Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 0.6 lx (* 0.6 lx)
Maximum illuminance	Emax	: 19 lx (* 22 lx)
Diversity	Emin/Emax	: 1 : 30.40 (0.03) (Threshold value 1:40) (* 1:39.20)
Height		: 0.2 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

*: Values on fine measuing grid (0.1m - 0.5m)!

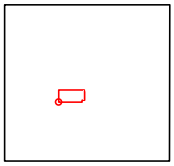
1 Exterior 1

1.3 Calculation results, Exterior 1

1.3.1 Table, Emergency area 11 (E)

5.8	9.2
12.6	13.6
10.2	9
4.5	5.7
8.9	10.5
15	13.7
4.9	4.9
4.3	4.2
12.3	13.2
10.8	10
5	3.3
1.5	1.1

60 [m]



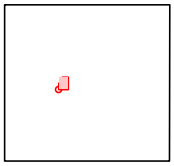
Part2

1.3 Calculation results, Exterior 1

1.3.2 Table, Emergency area 12 (E)

[m]											
27.5				13.9	11.6	2.9	1.1	0.8	1.7	6.5	12.8
25.0				8.9	8.1	2.4	1	1	2	6.5	10.8
22.5				2.3	2.2	1.3	0.9	1.2	2.4	4.8	5.9
20.0				1.1	1	0.9	0.9	1.9	6.1	10.8	8.9
17.5			3	1.4	1	1	1.2	2.3	8.7	15.5	9.9
15.0			7.6	2.3	1.5	2	2.2	2.3	3.3	4.2	3.2
12.5	8.7	12.7	7.8	2.5	2.7	6.8	8	3.9	2	1.5	1.1
10.0	3.3	3.5	2.4	1.8	3.4	13.8	**[17.4]**	6.8	2.2	1.1	0.7
7.5	1.1	1.2	1	1.3	3.1	6.6	8.1	3.4	1.7	1.2	0.9
5.0	0.7	0.8	0.8	1	1.4	2.2	2.6	2	2.5	3.1	2.6
2.5	1.2	1.8	1.6	1	0.8	0.9	1.2	2.1	6.4	11	9.6
	3.3	7.7	5.4	1.6	0.8	0.7	0.9	2.1	7.9	13	7.9
	7.4	13.5	8.2	1.9	0.8	**(0.6)**	0.8	1.8	5.3	7.6	3.7
		2	4	6	8	10	12	14	16	18	20 [m]

Illuminance [lx]



Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 0.6 lx (* 0.5 lx)
Maximum illuminance	Emax	: 17 lx (* 20 lx)
Diversity	Emin/Emax	: 1 : 29.90 (0.03) (Threshold value 1:40) (* 1:37.20)
Height		: 0.2 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

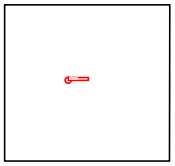
*: Values on fine measuing grid (0.1m - 0.5m)!

1.3 Calculation results, Exterior 1

1.3.3 Table, Emergency area 13 (E)

[m]																											
6	5.5	4	2.6	1.7	1.2	0.8	0.7	(0.6)	(0.6)	0.7	0.9	1.3	1.9	2.9	4.2	5.7	6.8	6.6	5.3	3.8	2.5	1.7	1.2	1	0.9	0.9	1	1.3
	8.9	5.9	3.6	2.2	1.4	1	0.7	0.7	0.7	0.8	1.1	1.6	2.6	4.2	6.7	9.6	11.6	11.2	8.6	5.7	3.5	2.2	1.5	1.1	1	1	1.2	1.5
5	12.6	7.9	4.5	2.6	1.6	1	0.8	0.7	0.7	0.9	1.2	1.9	3.2	5.6	9.6	14.4	17.6	16.7	12.3	7.6	4.4	2.6	1.7	1.3	1.1	1.2	1.3	1.6
	14.9	9	5	2.8	1.7	1.1	0.8	0.7	0.7	0.9	1.3	2.1	3.6	6.6	11.5	17.7	21.8	20.5	14.7	8.8	4.9	2.9	1.9	1.4	1.3	1.3	1.4	1.8
4	13.5	8.4	4.8	2.7	1.6	1.1	0.8	0.7	0.7	0.9	1.3	2	3.4	6.1	10.4	15.8	19.3	18.2	13.3	8.1	4.7	2.9	2	1.6	1.4	1.5	1.6	1.9
	9.2	6.1	3.8	2.3	1.5	1	0.8	0.7	0.7	0.9	1.2	1.8	2.8	4.7	7.6	10.8	12.5	11.7	9	6	3.8	2.6	2	1.7	1.7	1.7	1.8	2.1
3	5.9	4.2	2.8	1.9	1.3	0.9	0.7	0.7	0.7	0.8	1	1.5	2.3	3.5	5.1	6.7	7.5	7	5.6	4.1	3	2.4	2.1	2	2.1	2.2	2.3	2.4
	3.8	2.9	2.1	1.5	1.1	0.8	0.7	(0.6)	(0.6)	0.7	0.9	1.2	1.7	2.4	3.2	3.9	4.3	4.1	3.6	3	2.5	2.3	2.4	2.6	2.9	3	3.1	3
2	2.9	2.2	1.7	1.2	1	0.8	(0.6)	(0.6)	(0.6)	(0.6)	0.8	0.9	1.2	1.6	2	2.3	2.5	2.6	2.4	2.3	2.3	2.5	3	3.7	4.5	5	4.9	4.3
1																												
							5						10					15					20					

Illuminance [lx]



Part1

Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 0.6 lx (* 0.5 lx)
Maximum illuminance	Emax	: 45 lx (* 46 lx)
Diversity	Emin/Emax	: 1 : 78.20 (0.01) (Threshold value 1:40) (* 1:86.20)
Height		: 0.2 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

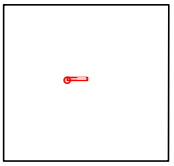
*: Values on fine measuing grid (0.1m - 0.5m)!

1.3 Calculation results, Exterior 1

1.3.3 Table, Emergency area 13 (E)

1.7	2.5	3.7	5.7	8.5	11.6	13.5	13	10.4	7.4	4.9	3.2	2.2	1.5	1.2	1	0.9	1	1.1	1.5	2.1	3	4.3	5.8	6.8	6.9	6	4.7	3.7
2	3.1	5	8.2	13.4	19.4	23.3	22.2	17.1	11.3	6.9	4.2	2.7	1.8	1.3	1.1	1	1.1	1.3	1.8	2.7	4.2	6.6	9.4	11.5	11.7	9.6	6.9	5
2.3	3.6	6.1	10.8	18.7	28.9	35.7	33.6	24.7	15.3	8.7	5	3	2	1.5	1.3	1.2	1.2	1.5	2.1	3.3	5.7	9.5	14.3	17.7	17.1	13.3	8.9	6.2
2.5	3.9	6.8	12.3	22.2	35.5	**[44.5]**	41.3	29.2	17.3	9.6	5.4	3.2	2.2	1.6	1.4	1.3	1.4	1.7	2.4	3.8	6.6	11.5	17.8	22	20.8	15.5	10	6.8
2.6	3.9	6.5	11.5	20.2	31.5	39.2	36.6	26.4	16.1	9.2	5.3	3.3	2.3	1.8	1.6	1.5	1.5	1.8	2.4	3.7	6.2	10.5	15.9	19.5	18.6	14	9.4	6.5
2.6	3.7	5.5	9	14.6	21.1	25.3	23.9	18.2	11.9	7.3	4.6	3.2	2.4	2	1.8	1.7	1.7	1.9	2.3	3.3	5	7.7	10.9	12.8	12.3	9.8	7.1	5.3
2.7	3.3	4.5	6.5	9.6	13	15.1	14.4	11.4	8.1	5.5	3.9	3	2.6	2.4	2.3	2.2	2.1	2.1	2.3	2.8	3.8	5.3	7	7.9	7.6	6.4	5	4.2
3	3.1	3.7	4.7	6.1	7.6	8.5	8.2	6.9	5.4	4.2	3.4	3.1	3	3.1	3.1	3	2.8	2.6	2.4	2.6	3	3.6	4.3	4.7	4.6	4.1	3.6	3.3
3.6	3.2	3.2	3.5	4.1	4.6	4.9	4.8	4.4	3.8	3.4	3.2	3.4	4	4.6	5	4.9	4.3	3.5	2.9	2.5	2.5	2.6	2.9	3	3	2.9	2.8	2.9

25 30 35 40 45 [m]



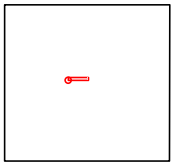
Part2

1.3 Calculation results, Exterior 1

1.3.3 Table, Emergency area 13 (E)

3.4	3.7	4.6	5.9
4.5	5.2	7.1	9.6
5.5	6.8	10	14.4
6.1	7.8	12.1	17.9
5.9	7.4	11	16
5	6	8.3	11.2
4.1	4.7	5.9	7.4
3.4	3.8	4.4	5.1
3.1	3.5	3.9	4.2

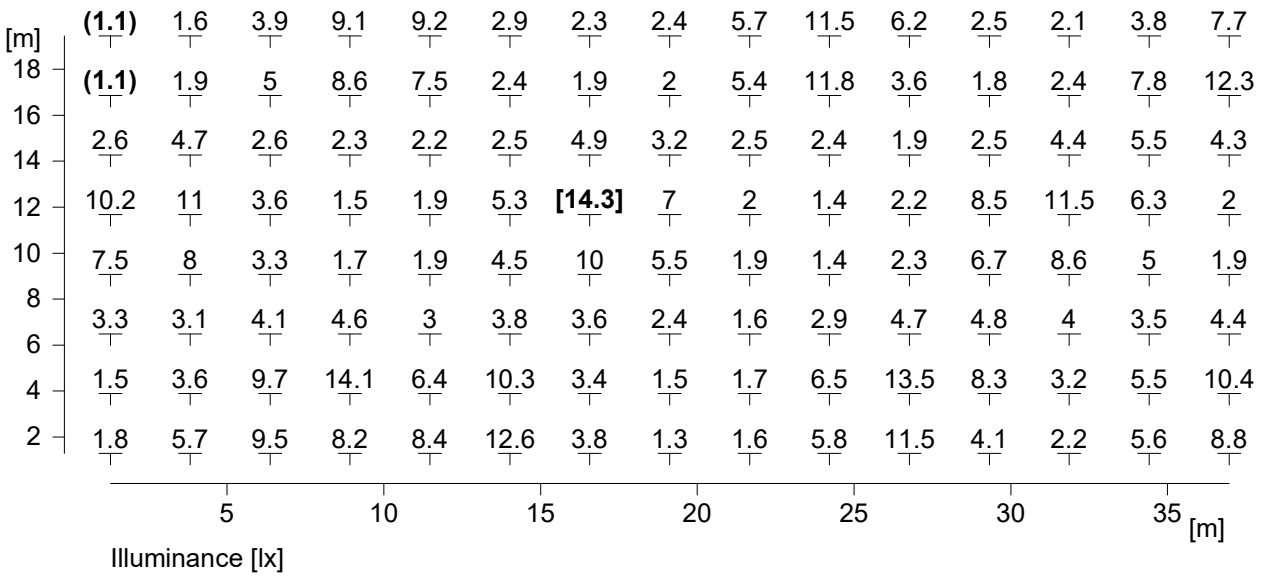
]

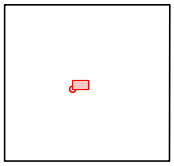


Part3

1.3 Calculation results, Exterior 1

1.3.4 Table, Emergency area 14 (E)





Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 1.1 lx (* 0.7 lx)
Maximum illuminance	Emax	: 14 lx (* 20 lx)
Diversity	Emin/Emax	: 1 : 12.70 (0.08) (Threshold value 1:40) (* 1:28.30)
Height		: 0.1 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

*: Values on fine measuing grid (0.1m - 0.5m)!