

**17.046 JLR Aston Martin, Maclaren External Lighting_JLR building Roof
Deck Car Park**

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Customer No.:

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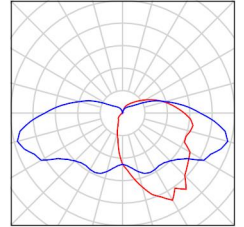
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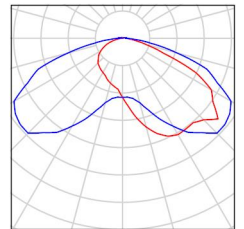
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17.046 JLR Aston Martin, Maclaren External Lighting_JLR building Roof Deck Car Park / Luminaire parts list

2 Pieces THORLUX MER16702 Mercian LED SMART - 28W
Article No.: MER16702
Luminous flux (Luminaire): 2632 lm
Luminous flux (Lamps): 2632 lm
Luminaire Wattage: 34.0 W
Luminaire classification according to CIE: 74
CIE flux code: 21 46 74 74 100
Fitting: 1 x Mercian LED - 28W (Correction Factor 1.000).



25 Pieces THORLUX SB16131 Starbeam SMART - Area Distribution - 62W
Article No.: SB16131
Luminous flux (Luminaire): 6708 lm
Luminous flux (Lamps): 6700 lm
Luminaire Wattage: 69.0 W
Luminaire classification according to CIE: 98
CIE flux code: 25 59 90 98 100
Fitting: 1 x Starbeam - Area - 62W (Correction Factor 1.000).



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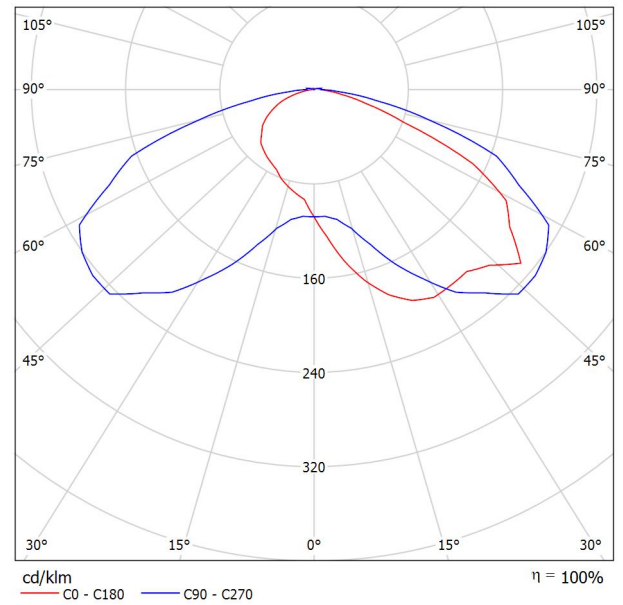
THORLUX SB16131 Starbeam SMART - Area Distribution - 62W / Luminaire Data Sheet



Luminaire classification according to CIE: 98
 CIE flux code: 25 59 90 98 100

Supremely efficient long life IP66 pole top and wall mounted LED luminaires with aluminium cast body and wiring box and polycarbonate cover.

Luminous emittance 1:



Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

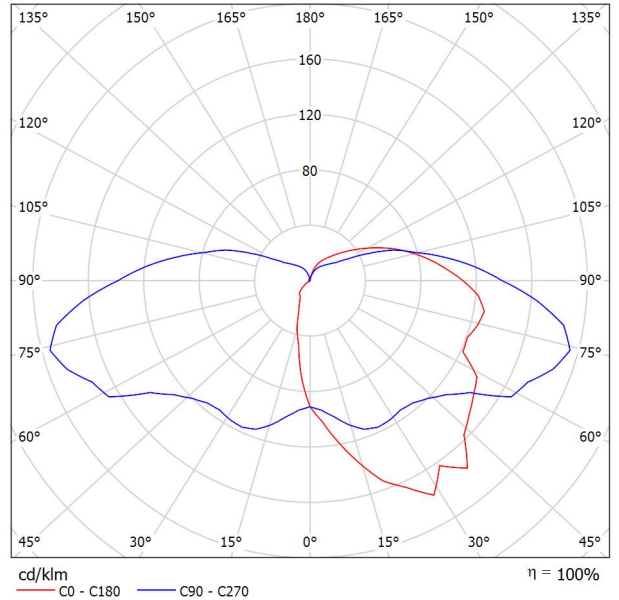
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THORLUX MER16702 Mercian LED SMART - 28W / Luminaire Data Sheet



Luminous emittance 1:



Luminaire classification according to CIE: 74
 CIE flux code: 21 46 74 74 100

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

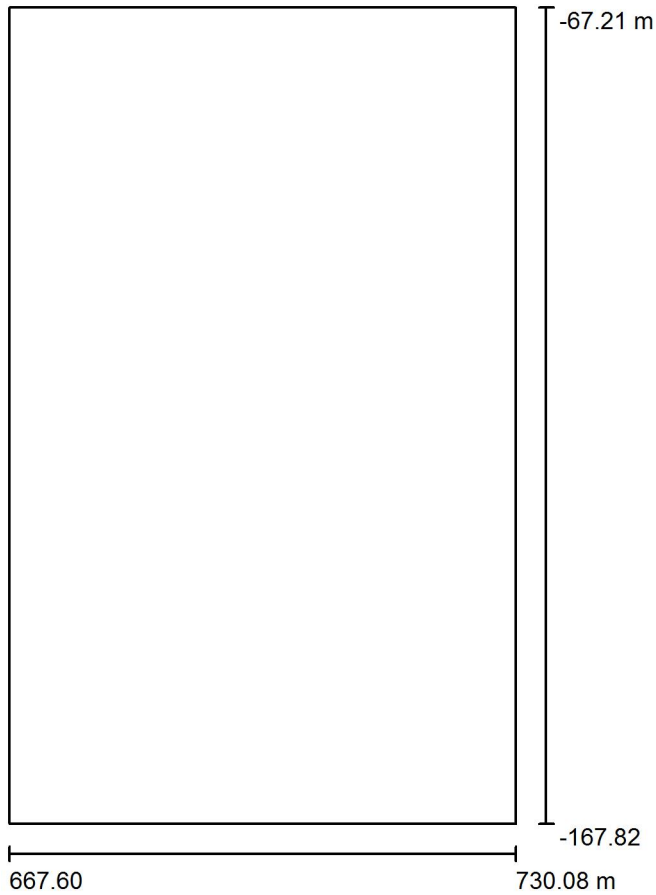
Vandal resistant luminaires photometrically designed to achieve wide luminaire spacing. Die cast aluminium body and impact resistant, flame-retardant prismatic polycarbonate cover. New - LED version.

Applications: walkways and entrance areas, commercial premises, educational institutes and hospital/healthcare buildings.

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Exterior Scene 2 / Planning data



Maintenance factor: 0.80, ULR (Upward Light Ratio): 2.5%

Scale 1:933

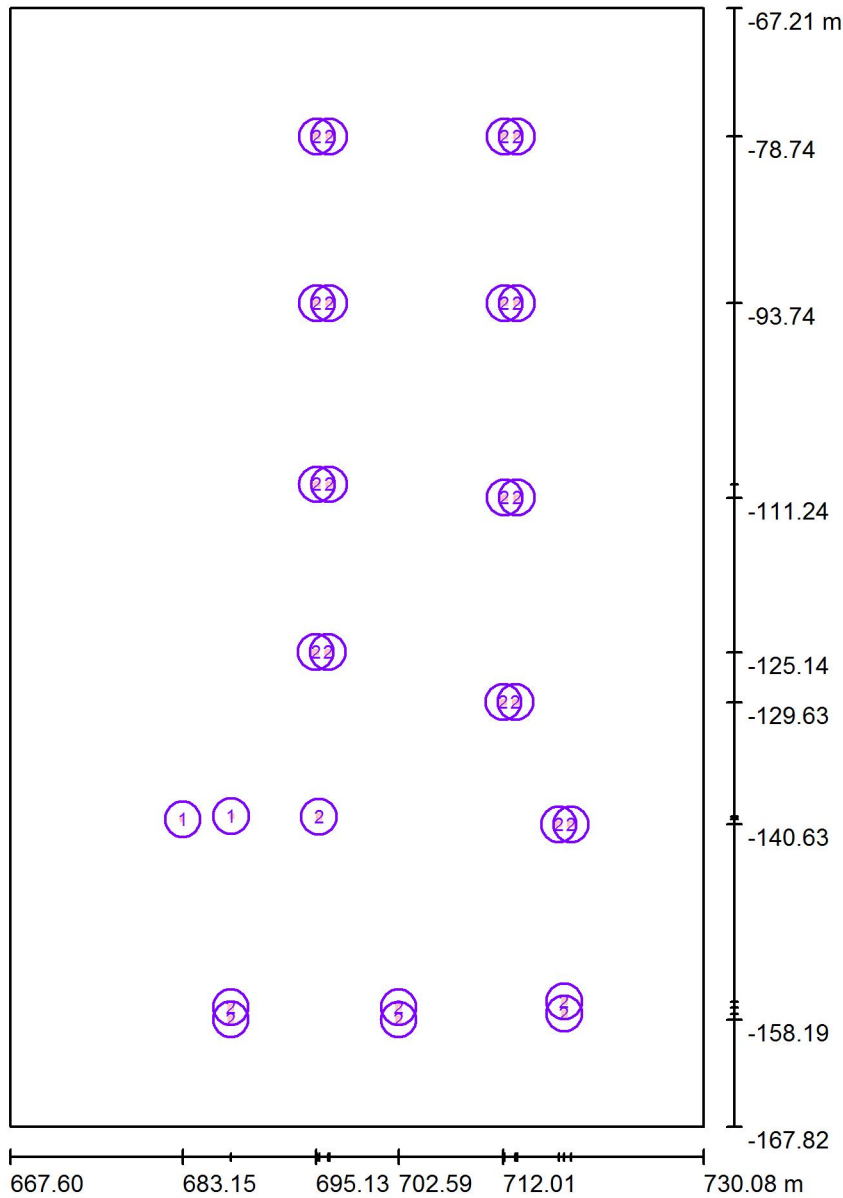
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	THORLUX MER16702 Mercian LED SMART - 28W (1.000)	2632	2632	34.0
2	25	THORLUX SB16131 Starbeam SMART - Area Distribution - 62W (1.000)	6708	6700	69.0
			Total: 172966	Total: 172764	1793.0

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Exterior Scene 2 / Luminaires (layout plan)



Scale 1 : 681

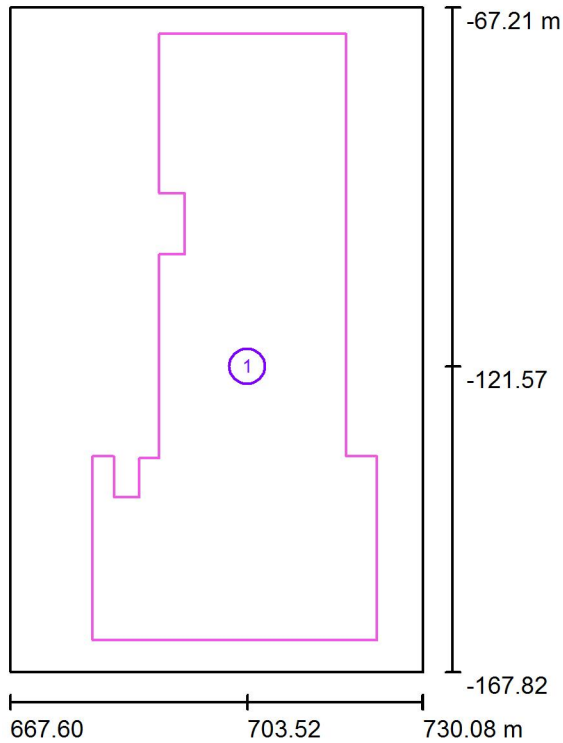
Luminaire Parts List

No.	Pieces	Designation
1	2	THORLUX MER16702 Mercian LED SMART - 28W
2	25	THORLUX SB16131 Starbeam SMART - Area Distribution - 62W

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Exterior Scene 2 / Calculation surfaces (results overview)



Scale 1 : 1145

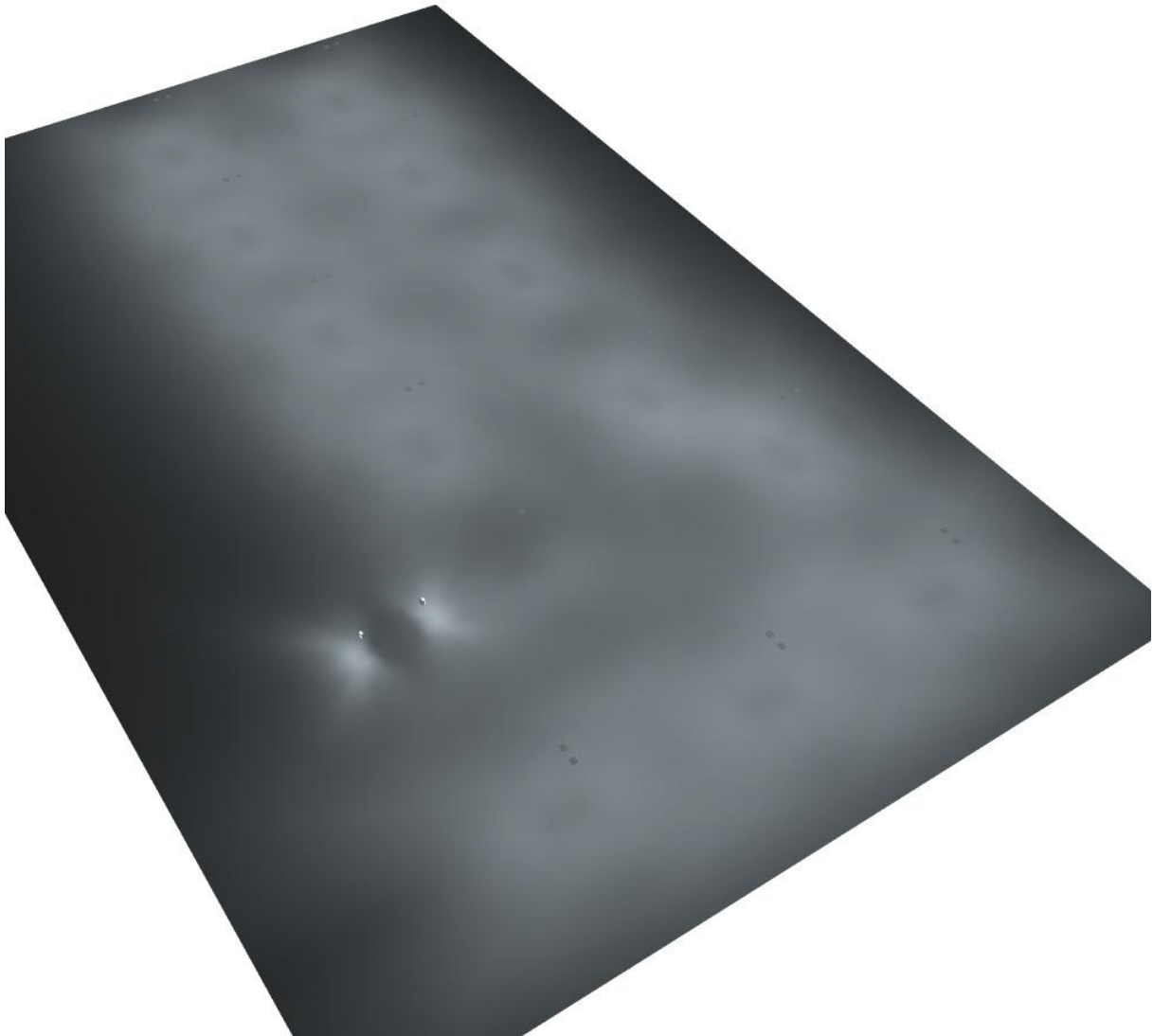
Calculation Surface List

No.	Designation	Type	Grid	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1	Roof Deck Car Park	perpendicular	128 x 128	32	8.52	83	0.264	0.103

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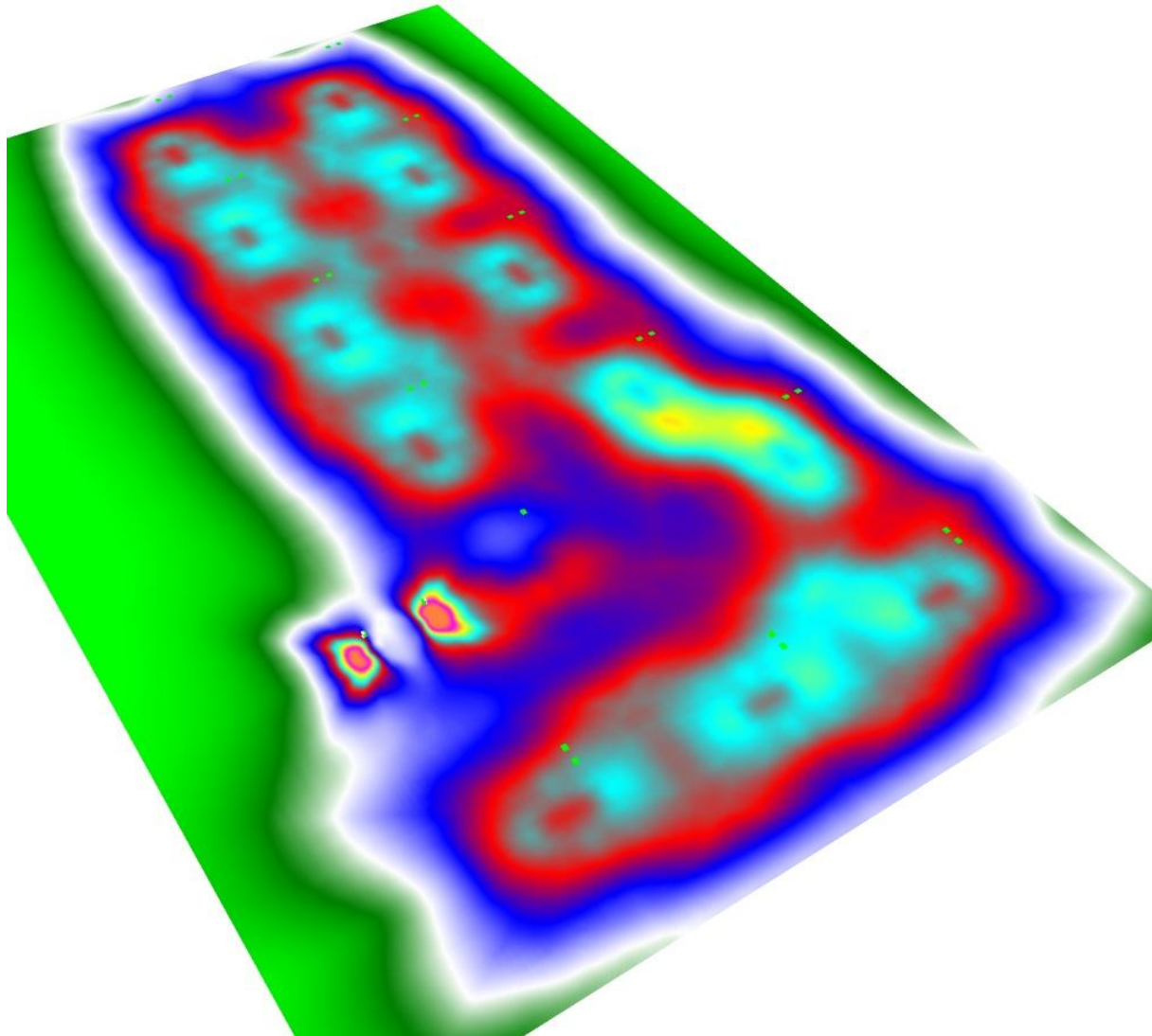
Exterior Scene 2 / 3D Rendering



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Exterior Scene 2 / False Colour Rendering

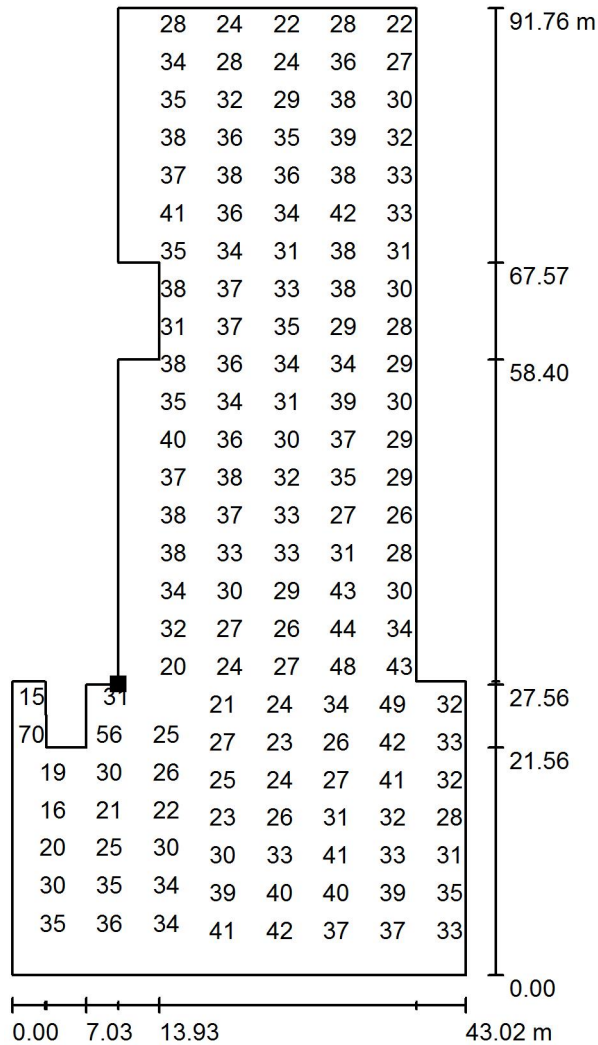


1 5 10 20 30 40 50 60 70 lx

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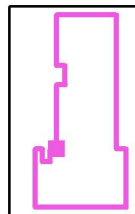
Exterior Scene 2 / Roof Deck Car Park / Value Chart (E, Perpendicular)



Values in Lux, Scale 1 : 718

Not all calculated values could be displayed.

Position of surface in external scene:
 Marked point:
 (690.186 m, -135.400 m, 0.000 m)



Grid: 128 x 128 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
32	8.52	83	0.264	0.103