

DATE: 5 July 2022
DESIGNER: James Duffin
PROJECT No: EVO331011-RC-003-A
PROJECT NAME: Land Off Providence Hill, Bursledon

ENERVEO

Land Off Providence Hill, Bursledon

Lighting Class - P6

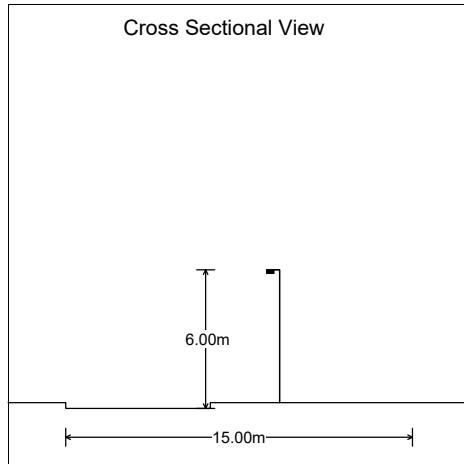
Lantern - Urbis Schreder Axia 3.1
Colour Temperature - 4000K
Maintenance Factor - 0.85

Roadway Lighting Report

PREPARED BY: James Duffin BA (Hons) IEng MILP
Lighting Designer
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Roadway Report Summary

Layout



Road Data

Calculation Grid	2015:EN13201 Illuminance
Width (m)	15.00
No. of Lanes	2
Road Surface	C2
Q0	0.07
Left Footpath(m)	0.00
Right Footpath(m)	8.75

Main Lighting

Column Data

Configuration	Single Sided Right
Spacing (m)	24.00
Height (m)	6.00
Tilt (deg)	0.00
Setback (m)	3.00
Outreach (m)	0.40
Overhang (m)	-2.60

Luminaire Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5295 Integrated lenses - 8 OSLO N SQUARE GIANT@300mA
Lamp(s)	8 OSLO SQUARE GIANT@300mA NW 7 40 230V 01-37-041
LampFlux(klm)/Colour	1.15 NW 4000K/70
File Name	AXIA 3.1 5295 8 OSLO SQUARE GIANT 300mA NW 740 8.4W 435822 Integrated I...
Maintenance Factor	0.85
Lum. Int. Class	G3

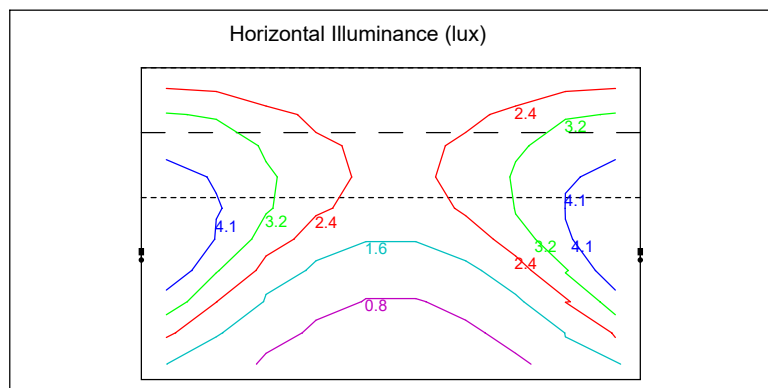


Results

Main

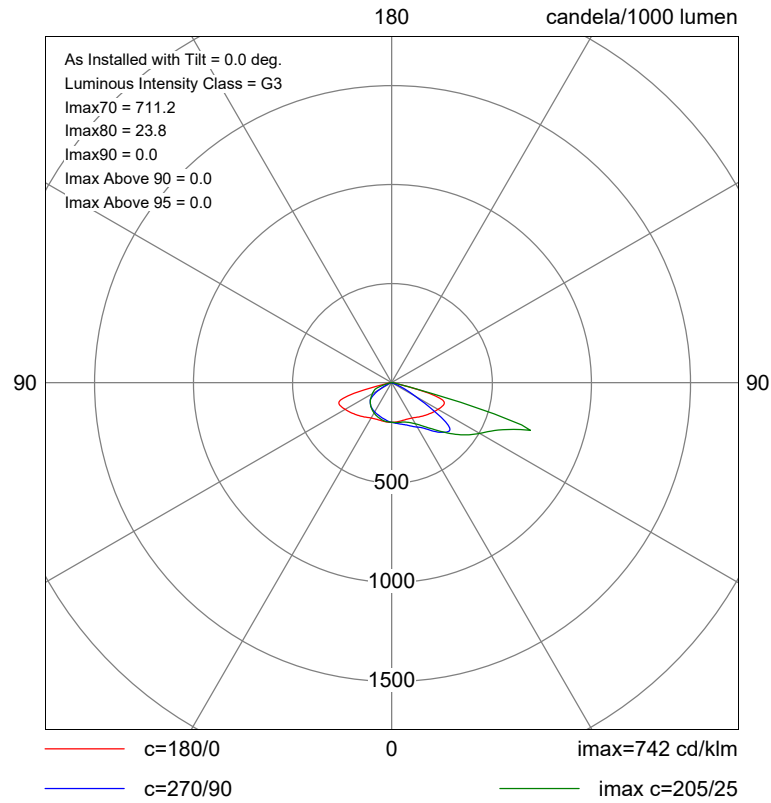
Complies with P6

Eav	2.41
Emin	0.40
Emax	5.29
Emin/Emax	0.07
Emin/Eav	0.16

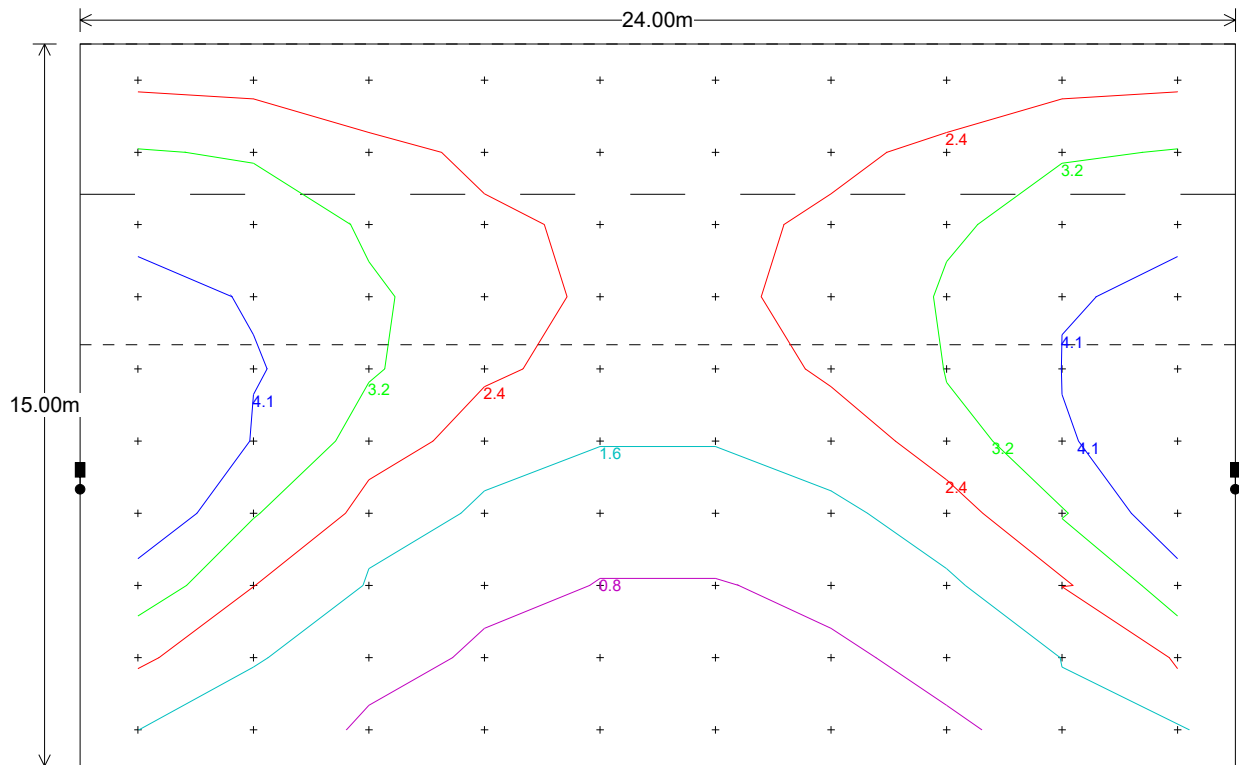


Polar Diagram

Main Luminaire AXIA 3.1 5295 Integrated lenses - 8 OSLO SQUARE GIANT@300mA



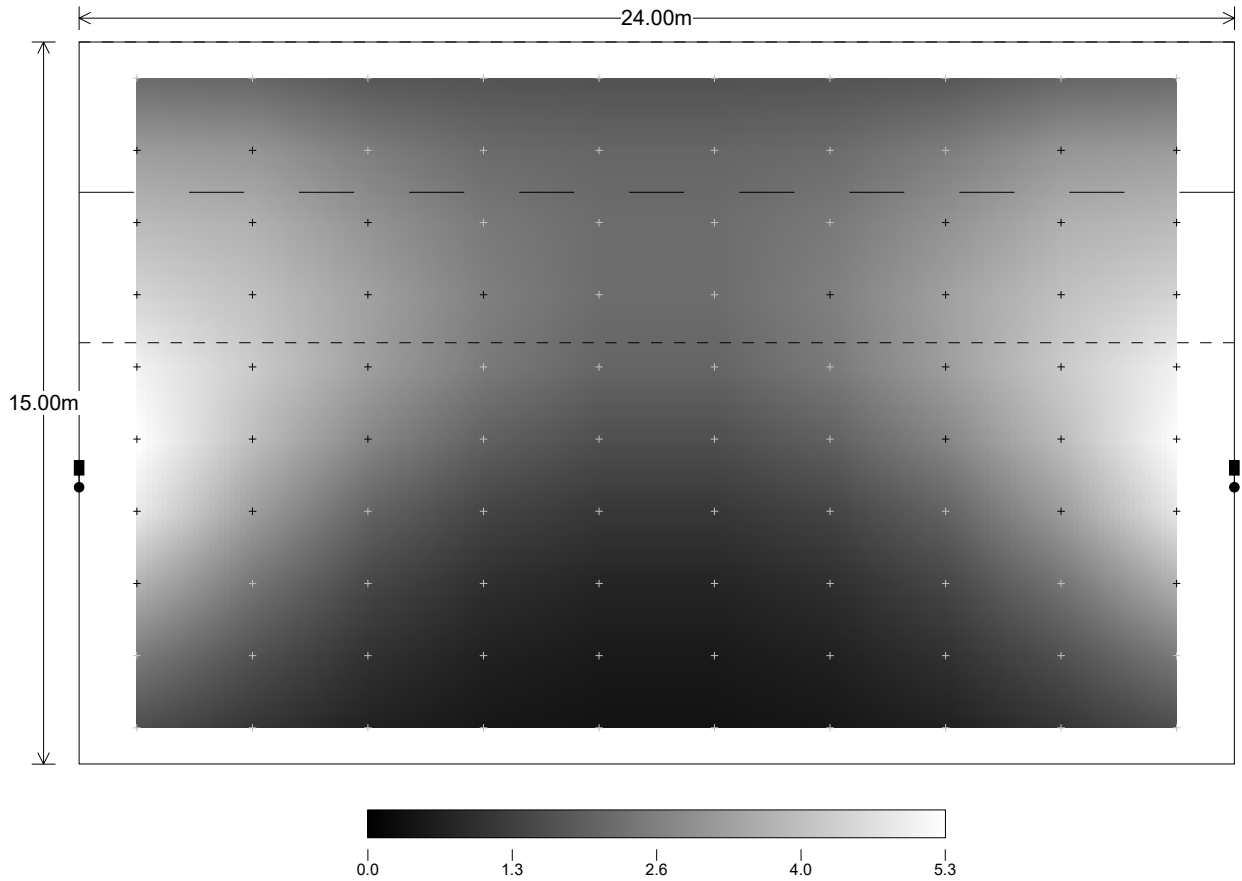
Horizontal Illuminance (lux)



Main Results

Eav	2.41
Emin	0.40
E _{max}	5.29
E _{min} /E _{max}	0.07
E _{min} /E _{av}	0.16

Horizontal Illuminance (lux)



Horizontal Illuminance (lux)