

DATE: 5 July 2022
DESIGNER: James Duffin
PROJECT No: EVO331011-RC-004-A
PROJECT NAME: Land Off Providence Hill, Bursledon

ENERVEO

Land Off Providence Hill, Bursledon

Lighting Class - P6

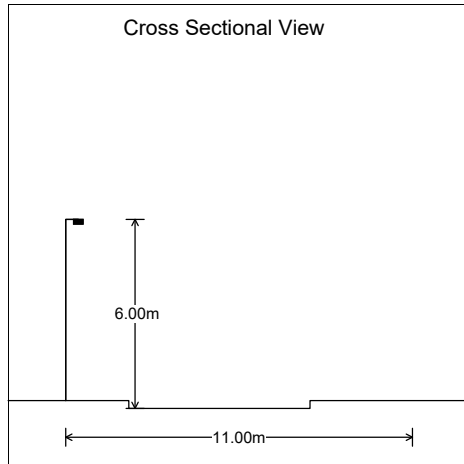
Lantern - Urbis Schreder Axia 3.1
Colour Temperature - 4000K
Maintenance Factor - 0.85

Roadway Lighting Report

PREPARED BY: James Duffin BA (Hons) IEng MILP
Lighting Designer
Enerveo
Solent Park, 1st Floor,
Walton Road,
Portsmouth.
PO6 1UJ
e-mail: james.duffin@enerveo.com

Roadway Report Summary

Layout



Road Data

Calculation Grid	2015:EN13201 Illuminance
Width (m)	11.00
No. of Lanes	2
Road Surface	C2
Q0	0.07
Left Footpath(m)	2.00
Right Footpath(m)	3.25

Main Lighting

Column Data

Configuration	Single Sided Left
Spacing (m)	30.00
Height (m)	6.00
Tilt (deg)	0.00
Setback (m)	2.00
Outreach (m)	0.40
Overhang (m)	-1.60

Luminaire Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5267 Integrated lenses Rear louvers 16 OSLO SQUARE
Lamp(s)	16 OSLO SQUARE GIANT@200mA NW 740 230V 01-37-041
LampFlux(klm)/Colour	1.10 NW 4000K/70
File Name	AXIA 3.1 5267 16 OSLO SQUARE GIANT T 200mA NW 740 11.2W 457672 Integrat...
Maintenance Factor	0.85
Lum. Int. Class	G1

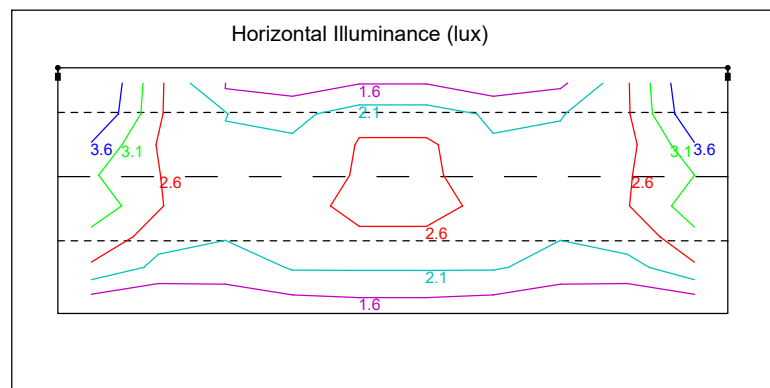


Results

Main

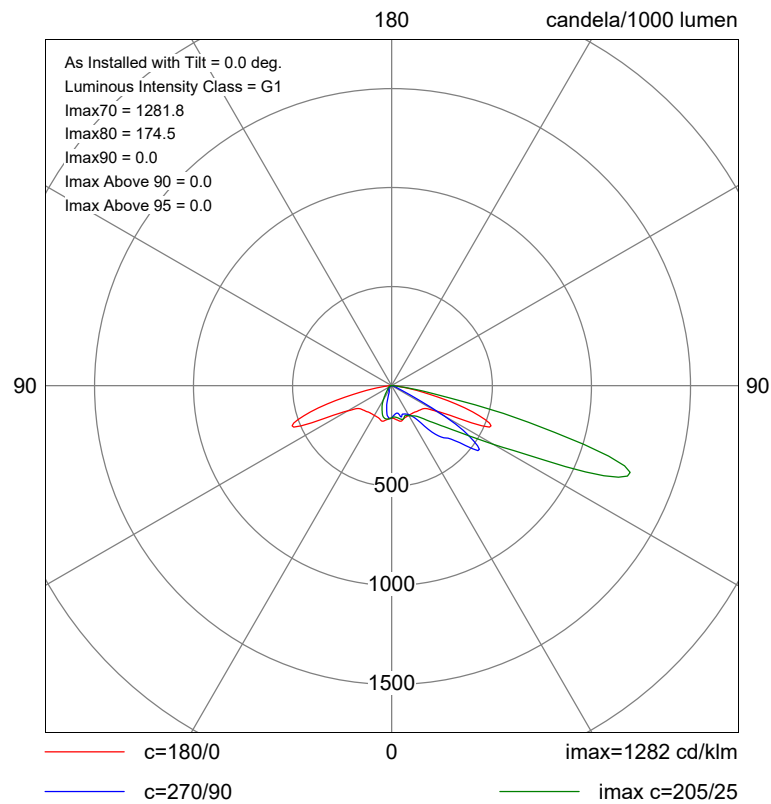
Complies with P6

Eav	2.36
Emin	1.30
Emax	4.35
Emin/Emax	0.30
Emin/Eav	0.55

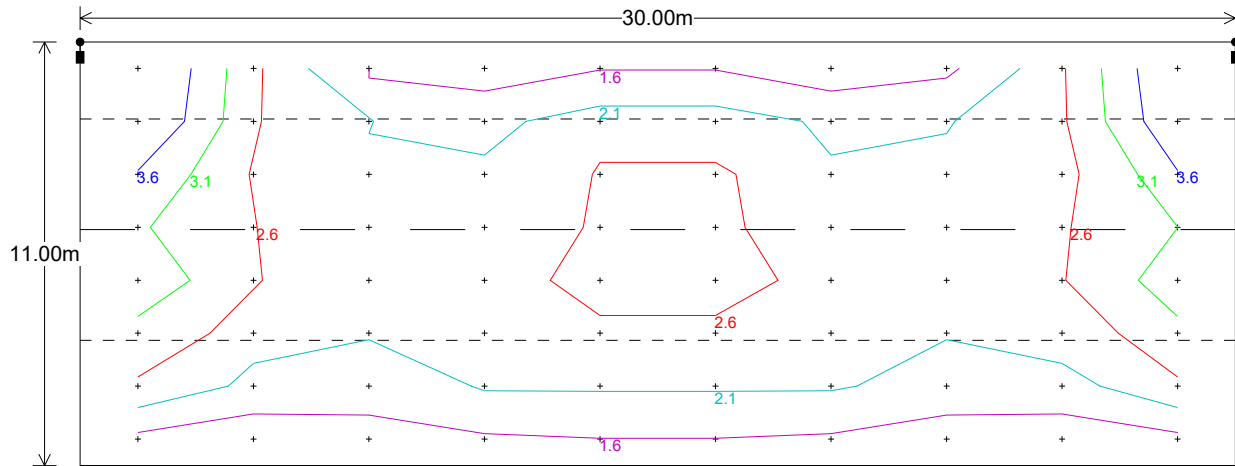


Polar Diagram

Main Luminaire AXIA 3.1 5267 Integrated lenses Rear louvers 16 OSLON SQUARE



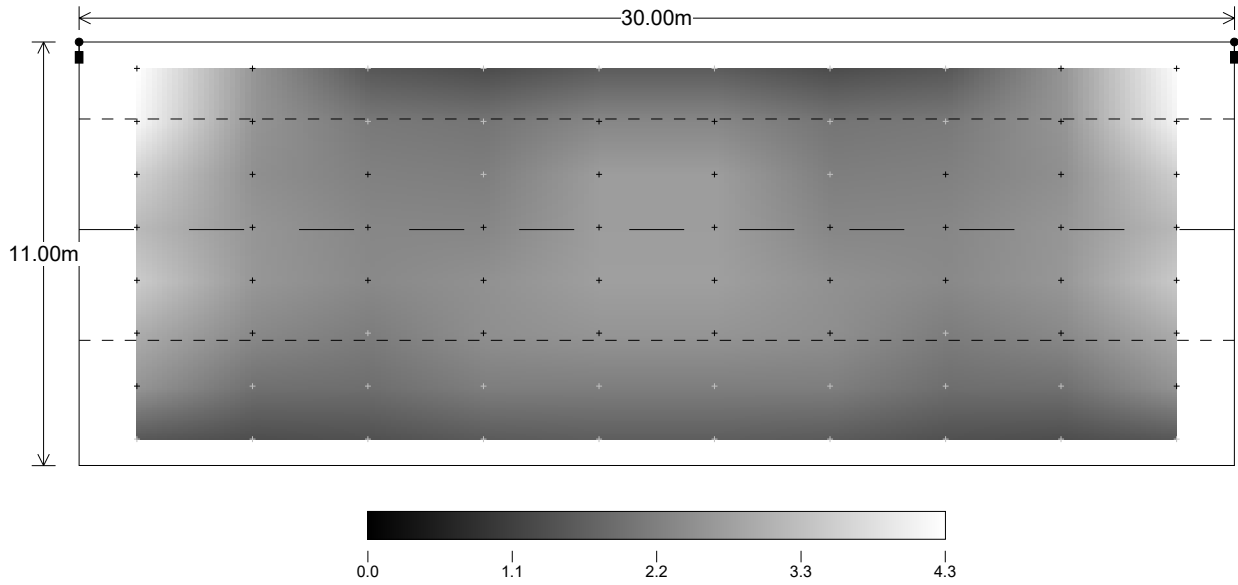
Horizontal Illuminance (lux)



Main Results

Eav	2.36
Emin	1.30
E _{max}	4.35
E _{min} /E _{max}	0.30
E _{min} /E _{av}	0.55

Horizontal Illuminance (lux)



Horizontal Illuminance (lux)