

DATE: 5 July 2022
DESIGNER: James Duffin
PROJECT No: EVO331011-RC-002-A
PROJECT NAME: Land Off Providence Hill, Bursledon

ENERVEO

Land Off Providence Hill, Bursledon

Lighting Class - P6

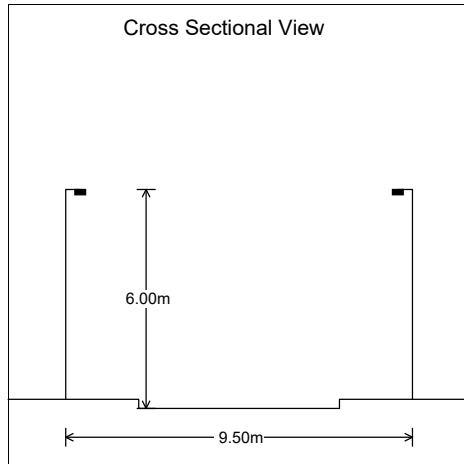
Lantern - Urbis Schreder Axia 3.1
Colour Temperature - 4000K
Maintenance Factor - 0.85

Roadway Lighting Report

PREPARED BY: James Duffin BA (Hons) IEng MILP
Lighting Designer
Enerveo
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Walton Road,
Portsmouth.
PO6 1UJ
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Roadway Report Summary

Layout



Road Data

Calculation Grid	2015:EN13201 Illuminance
Width (m)	9.50
No. of Lanes	2
Road Surface	C2
Q0	0.07
Left Footpath(m)	2.00
Right Footpath(m)	2.00

Main Lighting

Column Data

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

Luminaire Data



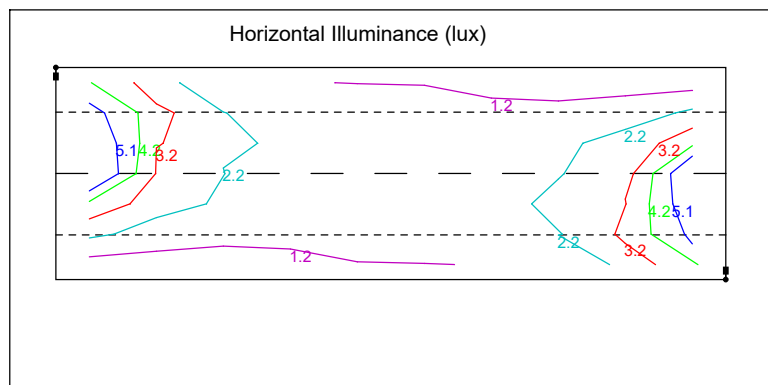
Supplier	Urbis Schreder
Type	AXIA 3.1 5266 Integrated lenses Rear louvers 8 OSLO SQUARE
Lamp(s)	8 OSLO SQUARE GIANT@300mA NW 740 230V 01-37-041
LampFlux(klm)/Colour	0.89 NW 4000K/70
File Name	AXIA 3.1 5266 8 OSLO SQUARE GIANT 300mA NW 740 8.4W 457662 Integrated I...
Maintenance Factor	0.85
Lum. Int. Class	G1

Results

Main

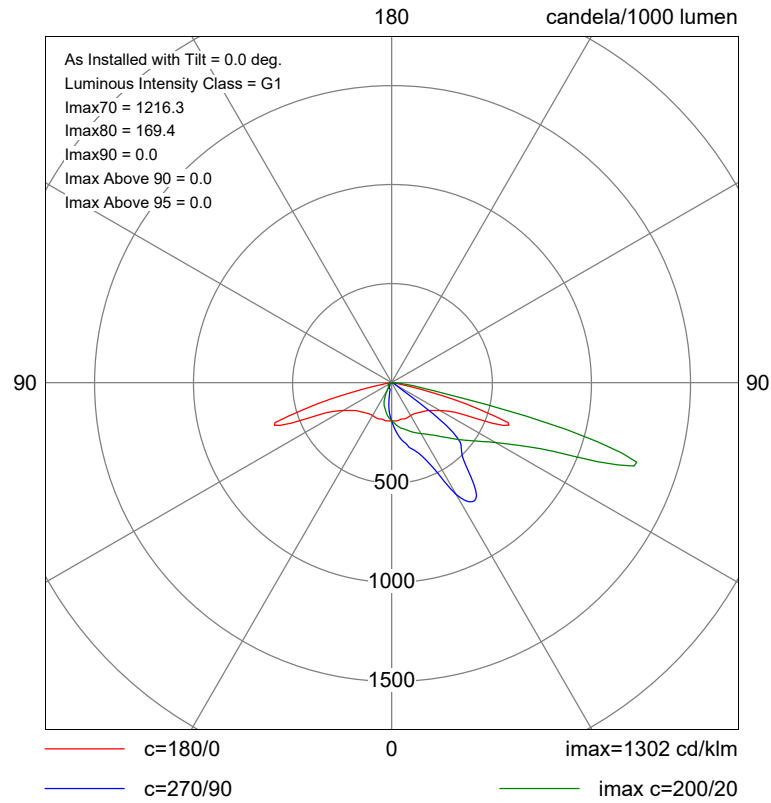
Complies with P6

Eav	2.36
Emin	0.74
Emax	6.59
Emin/Emax	0.11
Emin/Eav	0.31

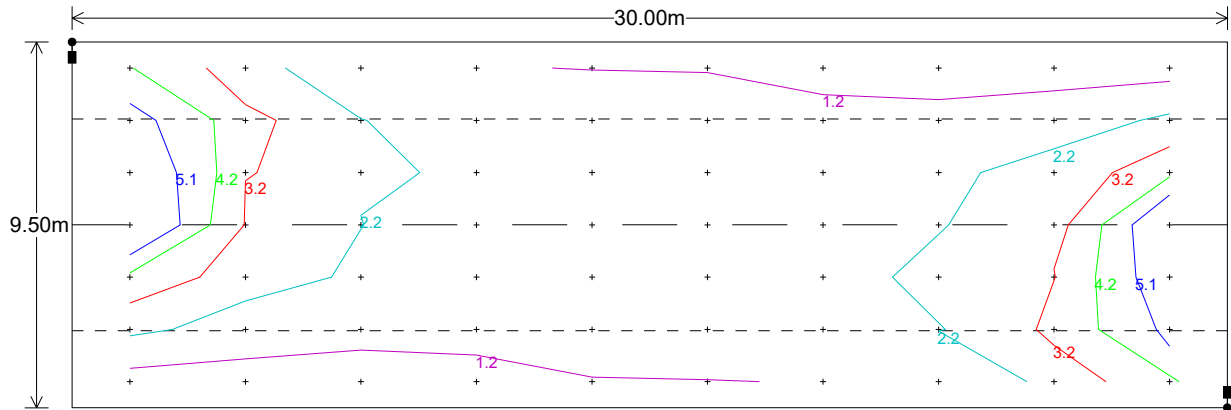


Polar Diagram

Main Luminaire AXIA 3.1 5266 Integrated lenses Rear louvers 8 OSLON SQUARE



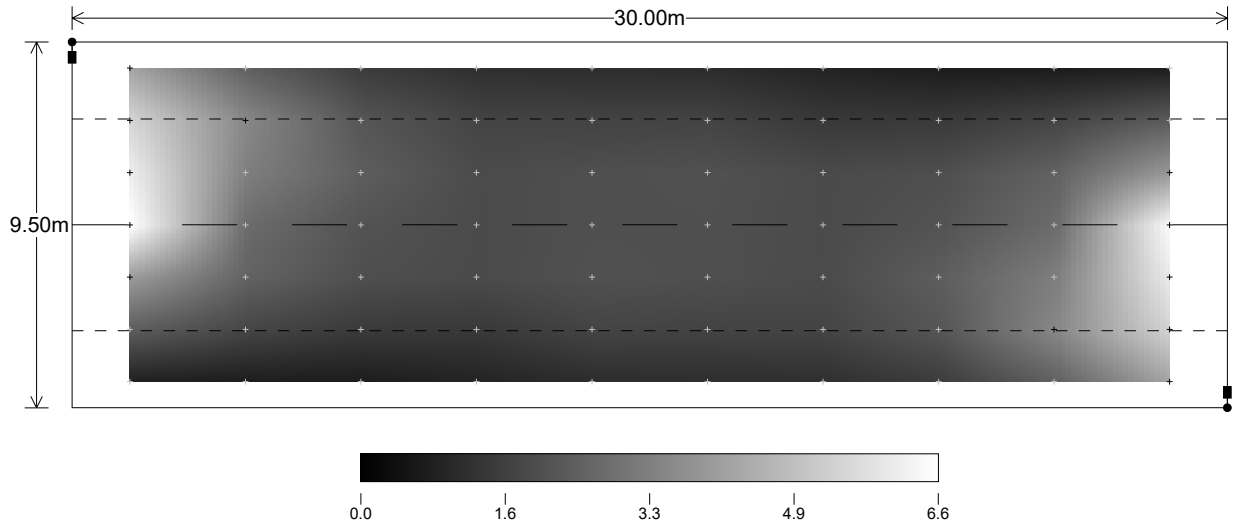
Horizontal Illuminance (lux)



Main Results

Eav	2.36
Emin	0.74
E _{max}	6.59
Emin/E _{max}	0.11
Emin/Eav	0.31

Horizontal Illuminance (lux)



Horizontal Illuminance (lux)