

DATE: 5 November 2019
DESIGNER: Julian Joseph
PROJECT No: 100046.PRIV.003.B
PROJECT NAME: Summer Lane, Pagham

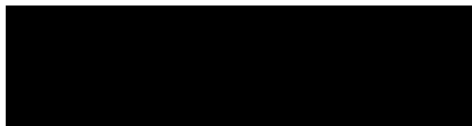


Please refer to 'Design Parameters' document for detail on environmental zone and lighting levels

This report uses a maintenance factor of 1.0 to represent the full light output for an as-new installation for ecology review purposes.

Outdoor Lighting Report

PREPARED BY: Joseph Lighting Design Ltd
Milton Keynes



www.josephlighting.co.uk

Layout Report

General Data

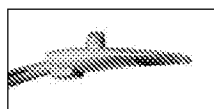
Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	488765.21	98460.49	199.06	278.58	1.50	1.50
2	Grid to show max lux outsi...	488783.76	98416.42	343.21	270.78	1.50	1.50
3	Grid 3	488965.06	98444.07	100.00	247.87	1.49	1.49

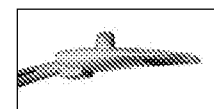
Luminaires

Luminaire B Data



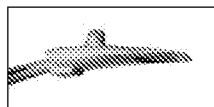
Supplier	Urbis-Schreder
Type	AXIA 2.1 5241 - 4 NVSL219CT 680mA WWV 230V Integrated lenses
Lamp(s)	4 NVSL219CT 680mA_WWV
LampFlux(klm)/Colour	0.93 WWV 3000K/80
File Name	AXIA 2_1 5241 4 NVSL219CT 680mA WWV 10 W 402432 Integrated lenses - 230V 25d 16-...
Maintenance Factor	1.00
Lum. Int. Class	G1
Lamp S/P Ratio	1.30
No. in Project	14

Luminaire C Data



Supplier	Urbis-Schreder
Type	AXIA 2.1 5166 - 4 NVSL219CT 680mA WWV 230V Integrated lenses
Lamp(s)	4 NVSL219CT 680mA_WWV
LampFlux(klm)/Colour	0.97 WWV 3000K/80
File Name	AXIA 2_1 5166 4 NVSL219CT 680mA WWV 10 W 383132 Integrated lenses - 230V 25d 16-...
Maintenance Factor	1.00
Lum. Int. Class	G1
Lamp S/P Ratio	1.30
No. in Project	5

Luminaire D Data



Supplier	Urbis-Schreder
Type	AXIA 2.1 5221 - 4 NVSL219CT 680mA WWV 230V Integrated lenses
Lamp(s)	4 NVSL219CT 680mA_WWV
LampFlux(klm)/Colour	0.96 WWV 3000K/80
File Name	AXIA 2_1 5221 4 NVSL219CT 680mA WWV 10 W 397652 Integrated lenses - 230V 25d 16-...
Maintenance Factor	1.00
Lum. Int. Class	G3
Lamp S/P Ratio	1.30
No. in Project	9

Luminaire E Data

Supplier	Joseph Lighting
Type	AXIA 2.1 5221 [[see details], PC, Black], [Inte grated lenses]
Lamp(s)	4 NVSL219CT@680mA NW740 230V 00-25-5 01
LampFlux(klm)/Colour	0.95 NW 4000K/70
File Name	AXIA 2.1 5221 4 NVSL219CT 680mA NW740 10W 401042 [[see details], PC, Black], [Integ...
Maintenance Factor	1.00
Lum. Int. Class	G4
Lamp S/P Ratio	0.00
No. in Project	3

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	488886.62	98479.95	5.00	2.00	0.00	0.00	0.40			
2	B	488886.81	98512.35	5.00	358.00	0.00	0.00	0.40			
3	B	488886.93	98537.70	5.00	0.00	0.00	0.00	0.40			
11	D	488908.07	98550.24	5.00	114.00	0.00	0.00	0.40			
12	B	488924.19	98575.67	5.00	182.00	0.00	0.00	0.40			
13	D	488925.70	98593.64	5.00	114.00	0.00	0.00	0.40			
14	D	488953.31	98604.46	5.00	111.00	0.00	0.00	0.40			
8	B	488912.63	98514.48	5.00	269.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
9	B	488941.72	98517.24	5.00	284.00	0.00	0.00	0.40			
10	E	488953.37	98508.97	5.00	162.00	0.00	0.00	0.40			
5	D	488866.18	98556.69	5.00	61.00	0.00	0.00	0.40			
6	D	488849.89	98553.51	5.00	135.00	0.00	0.00	0.40			
7	D	488836.45	98534.19	5.00	150.00	0.00	0.00	0.40			
19	C	489059.30	98458.28	5.00	345.00	0.00	0.00	0.40			
21	B	489049.37	98504.56	5.00	75.00	0.00	0.00	0.40			
22	B	489024.79	98510.71	5.00	75.00	0.00	0.00	0.40			
24	B	489030.09	98525.53	5.00	345.00	0.00	0.00	0.40			
30	C	489036.53	98620.39	5.00	75.00	0.00	0.00	0.40			
31	C	489042.34	98646.66	5.00	172.00	0.00	0.00	0.40			
28	B	489044.37	98583.52	5.00	346.00	0.00	0.00	0.40			
29	C	489045.38	98603.37	5.00	13.00	0.00	0.00	0.40			
26	B	489026.56	98565.52	5.00	77.00	0.00	0.00	0.40			
27	B	489064.73	98556.09	5.00	77.00	0.00	0.00	0.40			
15	E	488973.44	98614.83	5.00	316.00	0.00	0.00	0.40			
4	E	488887.86	98554.78	5.00	258.00	0.00	0.00	0.40			
20	C	489065.06	98491.10	5.00	350.00	0.00	0.00	0.40			
23	B	489005.71	98515.95	5.00	75.00	0.00	0.00	0.40			
25	B	489037.48	98555.66	5.00	350.00	0.00	0.00	0.40			
16	D	488973.34	98592.49	5.00	346.00	0.00	0.00	0.40			
17	D	488965.51	98558.22	5.00	346.00	0.00	0.00	0.40			
18	D	488959.14	98534.11	5.00	346.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

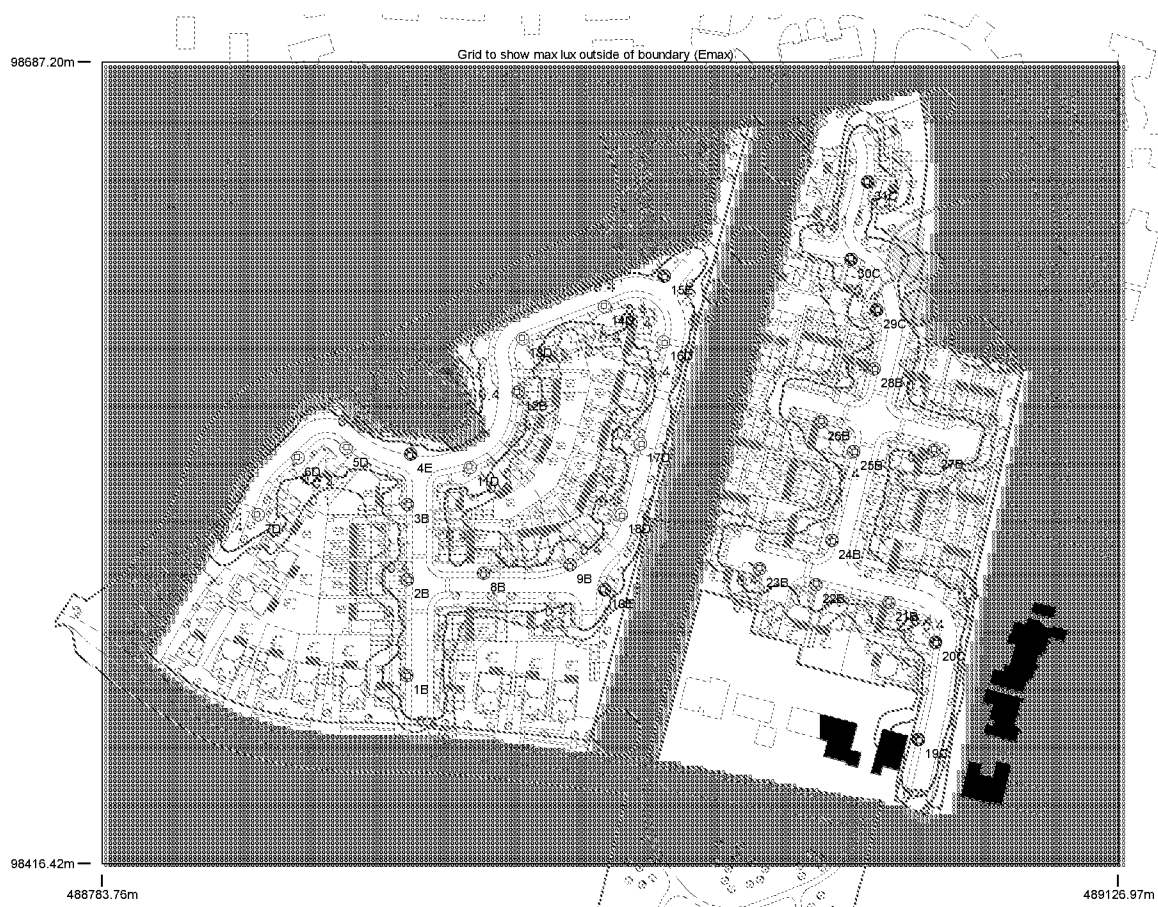


Results

Eav	3.16
Emin	0.40
Emax	11.80
Emin/Emax	0.03
Emin/Eav	0.13

Horizontal Illuminance (lux)

Grid to show max lux outside of boundary (Emax)



Results

Eav	0.01
Emin	0.00
Emax	0.39
Emin/Emax	0.00
Emin/Eav	0.00

Horizontal Illuminance (lux)

Grid 3



Results

Eav	2.72
Emin	0.46
Emax	8.79
Emin/Emax	0.05
Emin/Eav	0.17

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