

DATE: 18 November 2020

DESIGNER: D.Walker

PROJECT No: 5544

PROJECT NAME: Glade of Light

**LIGHTING
REALITY**

Outdoor Lighting Report

PREPARED BY: Design Software from:
Lighting Reality Ltd
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Wood Lane
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B24 9QR
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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	383815.07	398764.67	80.39	115.24	1.49	1.50
2	Grid 2	383831.76	398766.64	63.54	111.84	1.51	1.51

Luminaires

Luminaire A Data

Supplier	Selux
Type	Olivio Medio
Lamp(s)	LED
LampFlux(klm)/Colour	1.50 4000K/80
File Name	SX 961 22-9_8478.LDT
Maintenance Factor	0.79
Imax70,80,90(cd/klm)	11.9, 2.3, 0.0
No. in Project	26

Luminaire B Data

Supplier	Selux
Type	SX 961 22-9
Lamp(s)	3000 lm, 27 W
Lamp Flux (klm)	0.90
File Name	SX 961 22-9_8478.IES
Maintenance Factor	0.79
Imax70,80,90(cd/klm)	11.9, 2.3, 0.0
No. in Project	10

Luminaire C Data

Supplier	
Type	City Soul Small DM /4000
Lamp(s)	740/4000
Lamp Flux (klm)	5.95
File Name	City Soul Small_5950_70_740_DM.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	515.9, 71.3, 0.0
No. in Project	1

Luminaire D Data

Supplier	Selux Sphere
Type	SX 990 13-9
Lamp(s)	2400 lm, 21 W
Lamp Flux (klm)	0.90
File Name	SX 990 13-9_8598.IES
Maintenance Factor	0.79
Imax70,80,90(cd/klm)	190.5, 106.7, 83.8
No. in Project	9

Layout

ID /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1/1	A	383851.09	398834.42	5.20	98.00	45.00	0.00	0.10			
2/1	A	383851.09	398834.42	4.90	218.00	45.00	0.00	0.10			
3/2	A	383847.22	398823.14	5.20	97.00	45.00	0.00	0.10			
4/2	A	383847.22	398823.14	4.90	217.00	45.00	0.00	0.10			
5/3	A	383844.15	398812.40	5.20	107.00	45.00	0.00	0.10			
6/3	A	383844.15	398812.40	4.90	227.00	45.00	0.00	0.10			
7/4	A	383840.65	398798.73	5.20	105.00	45.00	0.00	0.10			
8/4	A	383840.65	398798.73	4.60	225.00	45.00	0.00	0.10			
9/5	A	383837.93	398788.90	5.20	177.00	45.00	0.00	0.10			

Layout Continued

ID /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
10/5	A	383837.93	398788.90	4.60	297.00	45.00	0.00	0.10			
11/6	A	383833.52	398776.15	5.20	114.00	45.00	0.00	0.10			
12/6	A	383833.52	398776.15	4.90	204.00	45.00	0.00	0.10			
13/7	B	383854.17	398840.89	5.20	45.00	30.00	0.00	0.10			
14/7	B	383854.17	398840.89	4.90	165.00	30.00	0.00	0.10			
15/8	A	383856.40	398852.74	5.20	337.00	45.00	0.00	0.10			
16/8	A	383856.40	398852.74	4.90	97.00	45.00	0.00	0.10			
17/9	A	383859.00	398862.33	5.20	345.00	45.00	0.00	0.10			
18/9	A	383859.00	398862.33	4.90	105.00	45.00	0.00	0.10			
19/10	A	383843.60	398851.60	5.20	311.00	30.00	0.00	0.10			
20/10	A	383843.60	398851.60	4.90	41.00	30.00	0.00	0.10			
21/11	A	383850.22	398790.64	5.20	223.00	45.00	0.00	0.10			
22/11	A	383850.22	398790.64	4.90	343.00	45.00	0.00	0.10			
23/12	A	383872.01	398800.08	5.20	250.00	45.00	0.00	0.10			
24/12	A	383872.01	398800.08	4.90	10.00	45.00	0.00	0.10			
25/13	B	383879.16	398805.82	5.20	302.00	45.00	0.00	0.10			
26/13	B	383879.16	398805.82	4.60	62.00	45.00	0.00	0.10			
27/14	B	383872.62	398813.22	5.20	346.00	45.00	0.00	0.10			
28/14	B	383872.62	398813.22	4.90	106.00	45.00	0.00	0.10			
29/15	B	383864.72	398822.23	5.20	346.00	45.00	0.00	0.10			
30/15	B	383864.72	398822.23	4.90	106.00	45.00	0.00	0.10			
31/16	B	383858.71	398835.21	5.20	318.00	45.00	0.00	0.10			
32/16	B	383858.71	398835.21	4.90	78.00	45.00	0.00	0.10			
33/17	A	383861.81	398788.82	5.20	35.00	45.00	0.00	0.10			
34/17	A	383861.81	398788.82	4.60	155.00	45.00	0.00	0.10			
35/9	A	383859.00	398862.33	5.50	225.00	45.00	0.00	0.10			
36	C	383888.85	398803.82	8.00	240.00	0.00	0.00	0.50			
37	D	383845.63	398884.79	10.00	0.00	0.00	0.00	0.50			
38/8	A	383856.40	398852.74	5.50	217.00	45.00	0.00	0.10			
39	D	383842.32	398838.29	3.00	348.00	0.00	0.00	0.00			
40	D	383840.65	398828.55	3.00	348.00	0.00	0.00	0.00			
41	D	383838.80	398818.72	3.00	348.00	0.00	0.00	0.00			
42	D	383836.63	398808.88	3.00	348.00	0.00	0.00	0.00			
43	D	383834.37	398799.12	3.00	348.00	0.00	0.00	0.00			
44	D	383831.82	398789.49	3.00	348.00	0.00	0.00	0.00			
45	D	383829.05	398779.90	3.00	339.00	0.00	0.00	0.00			

Layout Continued

ID /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
46	D	383826.06	398770.14	3.00	348.00	0.00	0.00	0.00			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	20.28
Emin	8.41
Emax	38.04
Emin/Emax	0.22
Emin/Eav	0.41