

DATE: 17 February 2020
DESIGNER: Thomas McCormack / Ross Traynor
PROJECT No: 19040
PROJECT NAME: The Lord Mayors



External Lighting Report

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Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 35.3m x 78.4m
Area 198.7m x 158.5m
Sample Spacing 1.49m x 1.50m

Luminaires



Luminaire A Data

Supplier	C U Phosco
Type	P852K-6-R3B-NW-F0300-8W
Lamp(s)	740P NW
Lamp Flux (klm)	0.78
File Name	P852K-6-R3B-NW-F0300-8W.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	1046.6, 32.5, 3.0
Lamp S/P Ratio	1.64
No. in Project	31



Luminaire B Data

Supplier	C U Phosco
Type	P852-12-P4-NW-CB0350-15W
Lamp(s)	740C NW
Lamp Flux (klm)	1.82
File Name	P852-12-P4-NW-CB0350-15W.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	760.6, 161.3, 0.8
Lamp S/P Ratio	1.64
No. in Project	2

Layout

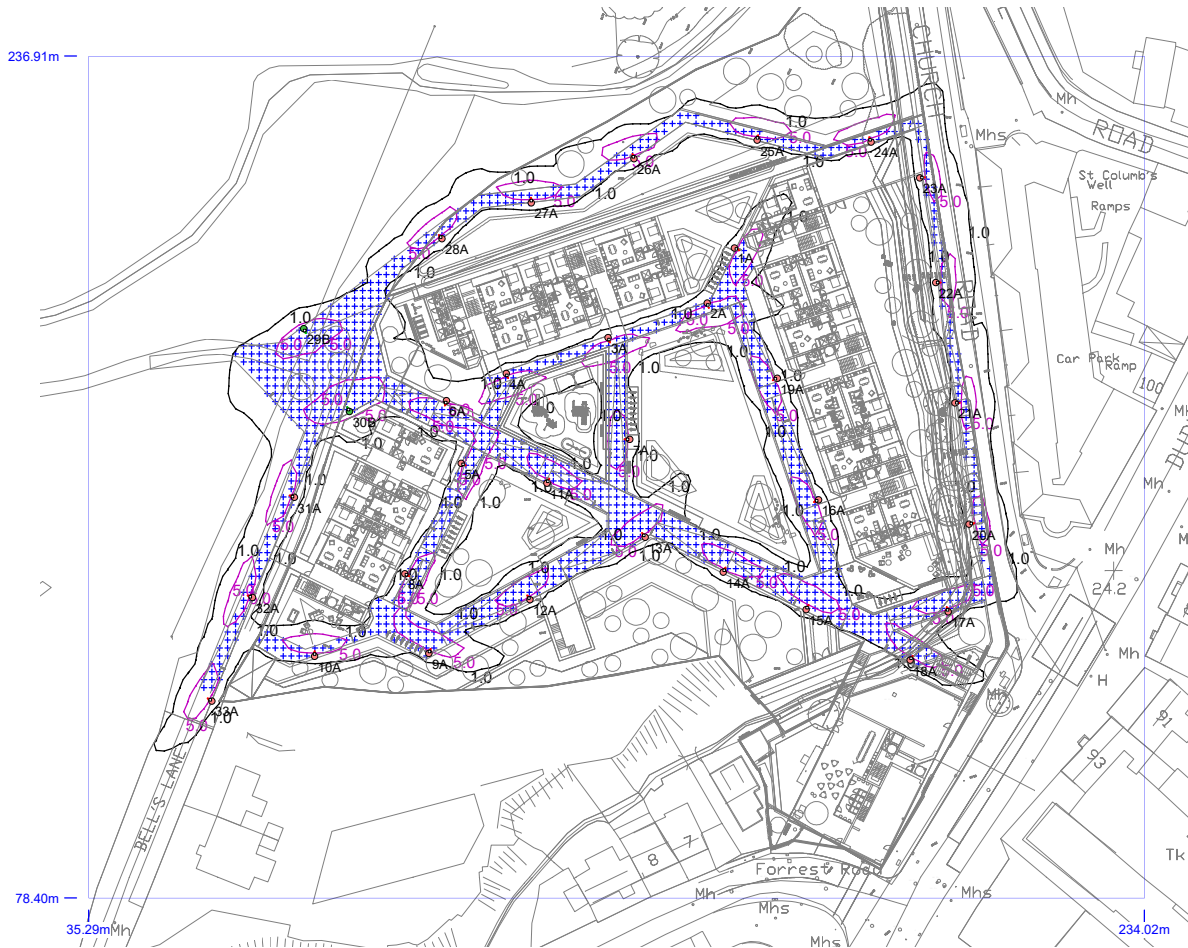
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	156.82	200.79	5.00	332.00	0.00	0.00	0.40			
2	A	151.72	190.43	5.00	286.00	0.00	0.00	0.40			
3	A	133.04	183.90	5.00	291.00	0.00	0.00	0.40			
4	A	113.87	177.20	5.00	290.00	0.00	0.00	0.40			
5	A	105.37	160.25	5.00	337.00	0.00	0.00	0.40			
6	A	102.63	172.06	5.00	252.00	0.00	0.00	0.40			
7	A	137.13	164.76	5.00	179.00	0.00	0.00	0.40			
8	A	94.76	139.50	5.00	331.00	0.00	0.00	0.40			
9	A	99.28	124.48	5.00	67.00	0.00	0.00	0.40			
10	A	77.83	123.96	5.00	90.00	0.00	0.00	0.40			
11	A	121.53	156.53	5.00	60.00	0.00	0.00	0.40			
12	A	118.35	134.57	5.00	122.00	0.00	0.00	0.40			
13	A	139.99	146.36	5.00	127.00	0.00	0.00	0.40			
14	A	154.72	139.76	5.00	64.00	0.00	0.00	0.40			
15	A	170.31	132.73	5.00	62.00	5.00	0.00	0.40			
16	A	172.66	153.36	5.00	204.00	0.00	0.00	0.40			
17	A	197.07	132.31	5.00	108.00	0.00	0.00	0.40			
18	A	189.86	123.22	5.00	58.00	0.00	0.00	0.40			
19	A	164.88	176.29	5.00	205.00	0.00	0.00	0.40			
20	A	200.97	148.83	5.00	100.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
21	A	198.28	171.63	6.00	359.00	0.00	0.00	0.40			
22	A	194.67	194.28	6.00	0.00	0.00	0.00	0.40			
23	A	191.70	213.95	6.00	9.00	0.00	0.00	0.40			
24	A	182.51	220.74	5.00	111.00	0.00	0.00	0.40			
25	A	161.11	221.07	5.00	82.00	0.00	0.00	0.40			
26	A	137.89	217.59	5.00	107.00	0.00	0.00	0.40			
27	A	118.56	209.29	5.00	92.00	0.00	0.00	0.40			
28	A	101.78	202.50	5.00	129.00	0.00	0.00	0.40			
29	B	75.77	185.59	6.00	295.00	0.00	0.00	0.40			
30	B	84.34	169.99	5.00	113.00	0.00	0.00	0.40			
31	A	74.00	153.88	5.00	161.00	0.00	0.00	0.40			
32	A	66.10	135.01	5.00	158.00	0.00	0.00	0.40			
33	A	58.50	115.53	5.00	150.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	4.35
Emin	0.85
E _{max}	16.19
E _{min} /E _{max}	0.05
E _{min} /E _{av}	0.20