

DATE: 15 October 2019
DESIGNER: Ross Traynor / Thomas McCormack
PROJECT No: 19019 Rev C
PROJECT NAME: Blackwood Square, Northwood Santry Demense SHD



Rev B - Boundary line updated
Rev C - Background updated

Note: These lanterns use a narrow beam optic and can be fitted with a baffle if required

Public Lighting report

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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	-505.57	855.94	251.37	270.33	1.50	1.49

Luminaires

Luminaire A Data



Supplier	C U Phosco
Type	P852-12-R2B-NW-CB0350-15W
Lamp(s)	740C NW
Lamp Flux (klm)	1.82
File Name	P852-12-R2B-NW-CB0350-15W.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	669.5, 62.5, 5.9
Lamp S/P Ratio	1.64
No. in Project	7

Luminaire B Data



Supplier	C U Phosco
Type	P852-6-R3B-NW-F0400-10W
Lamp(s)	740P NW
Lamp Flux (klm)	1.02
File Name	P852-6-R3B-NW-F0400-10W.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	986.9, 31.9, 3.0
Lamp S/P Ratio	1.64
No. in Project	23

Luminaire C Data



Supplier	C U Phosco
Type	P852-12-F2-NW-CB0400-17W
Lamp(s)	740C NW
Lamp Flux (klm)	2.02
File Name	P852-12-F2-NW-CB0400-17W.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	761.9, 260.5, 34.9
Lamp S/P Ratio	1.64
No. in Project	2

Luminaire D Data



Supplier	C U Phosco
Type	P852-12-P4-NW-CB0400-17W
Lamp(s)	740C NW
Lamp Flux (klm)	2.06
File Name	P852-12-P4-NW-CB0400-17W.ies
Maintenance Factor	0.80
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	C	-337.78	1061.64	6.00	77.00	0.00	0.00	0.50			
2	C	-311.73	1053.33	6.00	72.00	5.00	0.00	0.50			
3	D	-289.94	1052.52	6.00	70.00	5.00	0.00	0.50			
4	D	-265.07	1045.49	6.00	73.00	5.00	0.00	0.50			
5	A	-344.14	1043.61	6.00	162.00	0.00	0.00	0.50			
6	A	-353.47	1013.06	6.00	162.00	0.00	0.00	0.50			
7	B	-381.24	931.75	6.00	83.00	0.00	0.00	0.50			
8	B	-368.55	975.09	6.00	160.00	5.00	0.00	0.50			

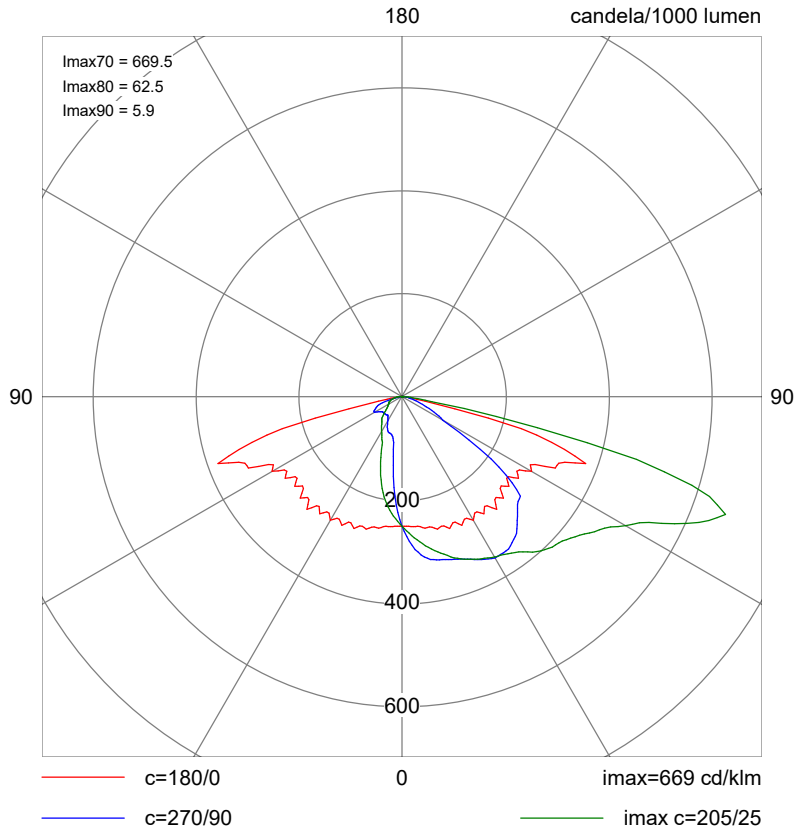
9	A	-363.61	950.54	6.00	162.00	0.00	0.00	0.50			
10	A	-358.81	984.40	6.00	176.21	0.00	0.00	0.50			

Layout Continued

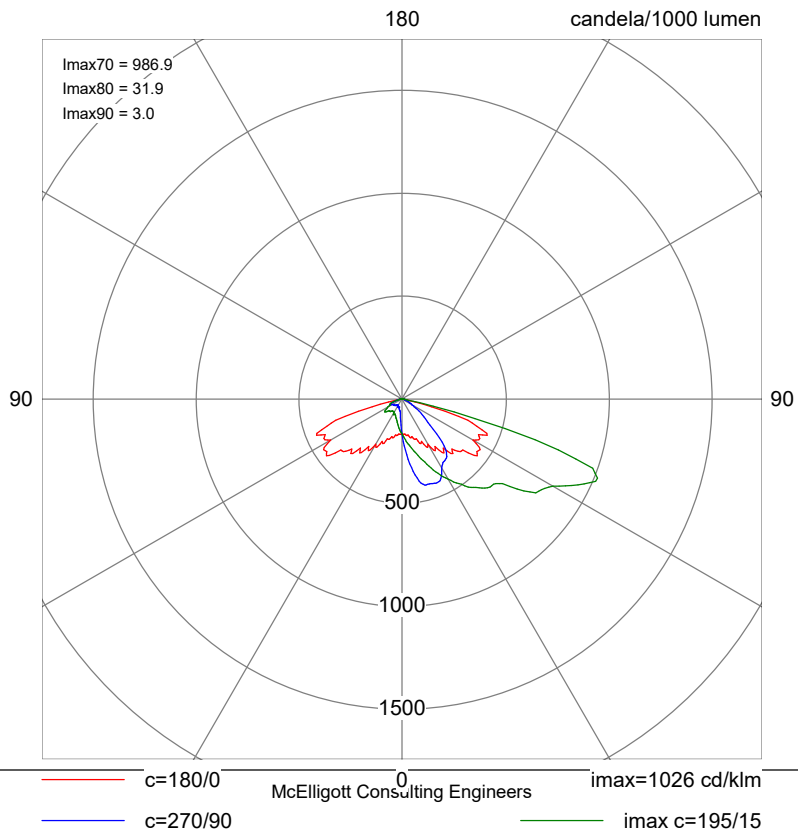
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
11	B	-376.50	947.43	6.00	163.00	5.00	0.00	0.50			
12	A	-332.37	931.45	6.00	262.00	0.00	0.00	0.50			
13	A	-359.58	935.15	6.00	263.00	0.00	0.00	0.50			
14	A	-299.72	926.35	6.00	256.00	0.00	0.00	0.50			
18	B	-415.32	939.98	6.00	72.00	0.00	0.00	0.50			
16	B	-245.37	1028.79	6.00	33.00	0.00	0.00	0.50			
20	B	-444.89	948.73	6.00	72.00	0.00	0.00	0.50			
21	B	-455.43	944.23	6.00	167.00	0.00	0.00	0.50			
22	B	-462.21	921.25	6.00	165.00	0.00	0.00	0.50			
23	B	-470.46	893.00	6.00	165.00	0.00	0.00	0.50			
24	B	-475.90	872.47	6.00	159.00	0.00	0.00	0.50			
22	B	-243.67	1005.05	6.00	344.00	0.00	0.00	0.50			
23	B	-251.30	979.47	6.00	339.00	0.00	0.00	0.50			
24	B	-263.70	956.44	6.00	342.00	0.00	0.00	0.50			
25	B	-273.54	932.91	6.00	341.00	0.00	0.00	0.50			
26	B	-277.92	913.40	6.00	252.00	5.00	0.00	0.50			
27	B	-268.91	977.28	6.00	161.00	0.00	0.00	0.50			
28	B	-277.09	950.47	6.00	160.00	0.00	0.00	0.50			
31	B	-261.72	998.24	6.00	165.00	0.00	0.00	0.50			
30	B	-286.96	933.36	6.00	249.00	0.00	0.00	0.50			
31	B	-279.09	887.58	6.00	0.00	0.00	0.00	0.50			
32	B	-254.07	1023.45	6.00	167.00	0.00	0.00	0.50			
33	B	-250.18	1011.39	6.00	249.00	0.00	0.00	0.50			
34	B	-350.31	998.35	6.00	80.00	0.00	0.00	0.50			

Polar Diagrams

Luminaire A P852-12-R2B-NW-CB0350-15W

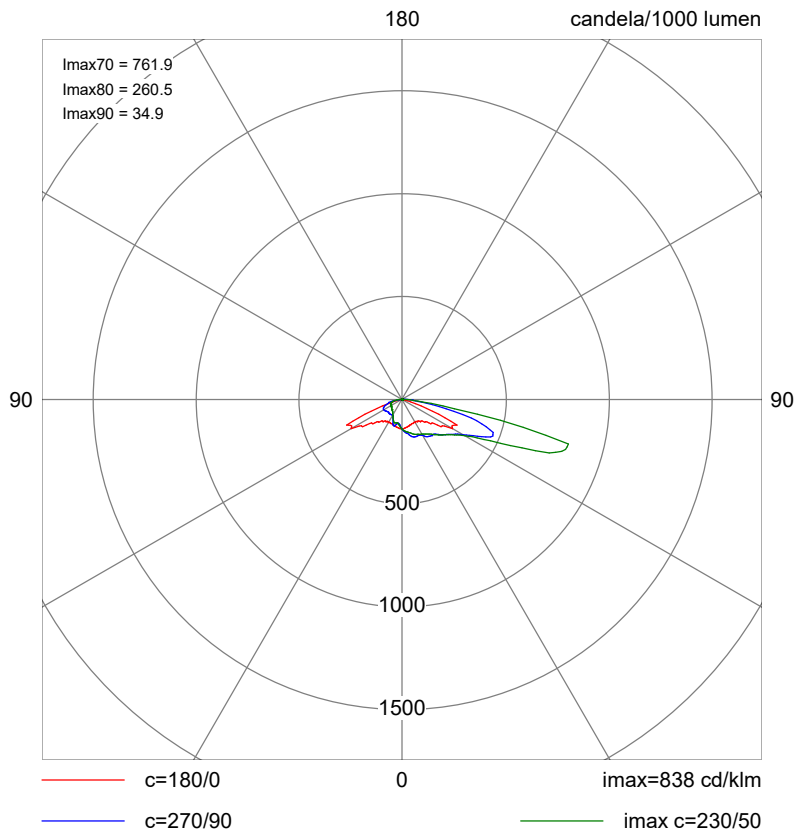


Luminaire B P852-6-R3B-NW-F0400-10W

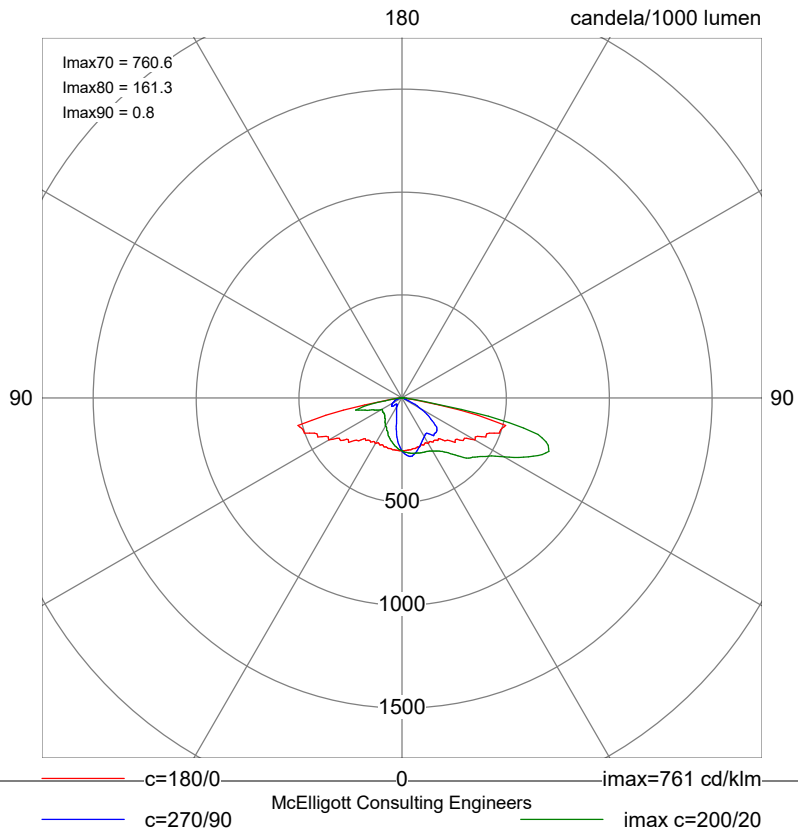


Polar Diagrams Continued

Luminaire C P852-12-F2-NW-CB0400-17W



Luminaire D P852-12-P4-NW-CB0400-17W



Horizontal Illuminance (lux)

Grid 1



Results

Eav	3.99
Emin	0.87
E _{max}	12.55
E _{min} /E _{max}	0.07
E _{min} /E _{av}	0.22

Horizontal Illuminance (lux)

Grid 1

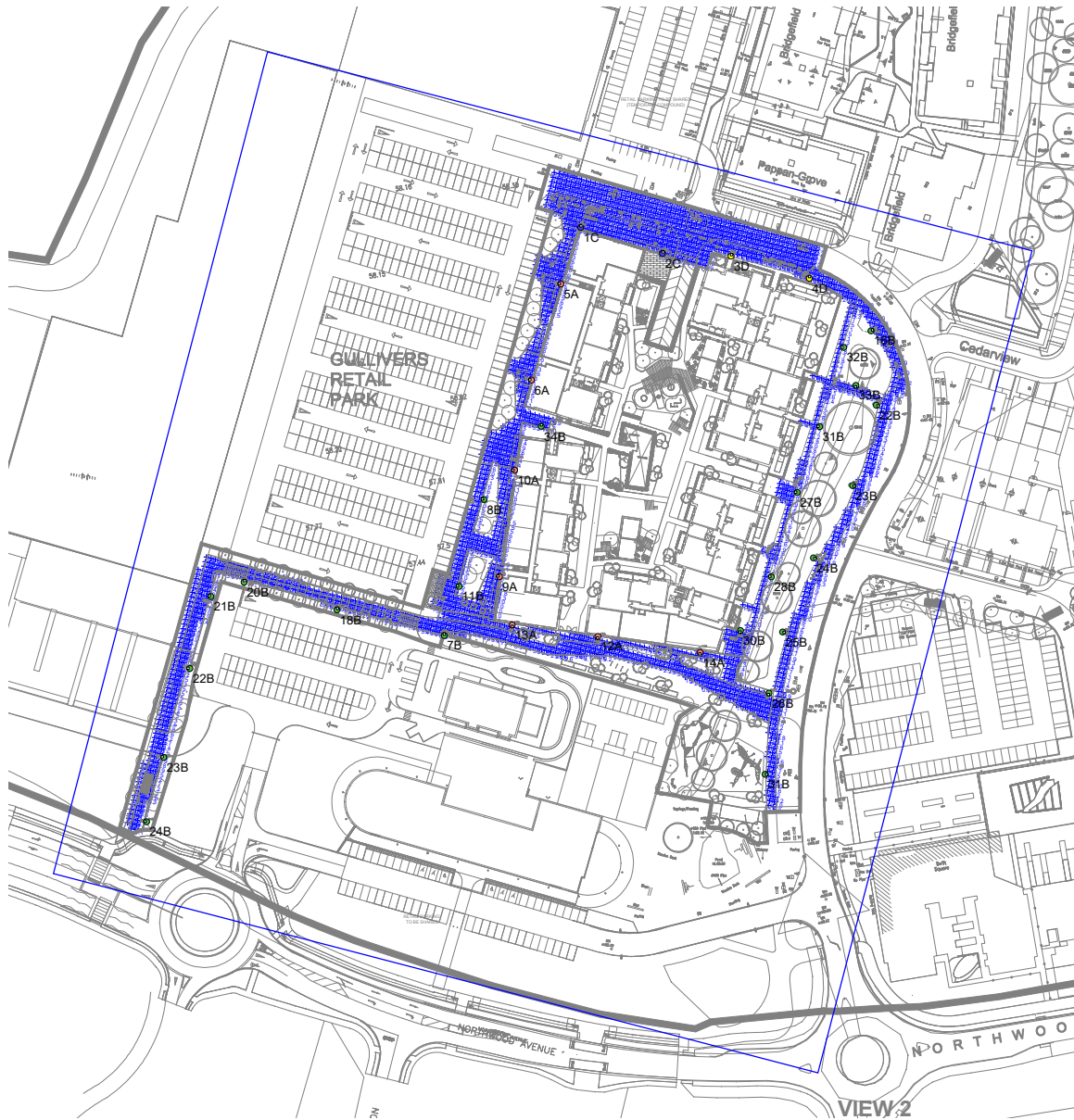


Results

Eav	3.99
Emin	0.87
Emax	12.55
Emin/Emax	0.07
Emin/Eav	0.22

Horizontal Illuminance (lux)

Grid 1



Results

Eav	3.99
Emin	0.87
Emax	12.55
Emin/Emax	0.07
Emin/Eav	0.22