

DATE: 11 August 2023
DESIGNER: SHD Lighting Consultancy Ltd
PROJECT No: SHD1012
PROJECT NAME: Bleachcroft Way



All lighting column positions and luminaire angles extracted from 'SL20-78
Bleachcroft Way rev 2' as provided by Barnsley Metropolitan Borough Council
13/07/2023

House plot wall lights mounted 2000mm from ground level adjacent to each house
plot front door.

Wall lights each contain 2 x GU10 narrow beam 25° warm white (2700k) LED
lamps aimed in an up/down configuration.

The maintenance factor used is 1.0 as per recommendation in Lighting Guide 4 as
published by The Institution of Lighting Professionals.

Vertical calculation grids are 10m in height from ground level

Outdoor 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: Whole Area	437049.36	404807.79	342.46	401.52	1.50	1.61
2	Grid 2: Retained Canal Bas...	437360.73	404964.41	220.00	10.00	1.00	1.00
3	Grid 3: South East Vertica...	437360.75	404964.07	100.00	10.00	1.00	1.00
4	Grid 4: Dob Sike Vertical ...	437183.17	404813.66	65.00	10.00	1.00	1.00
5	Grid 5: South West Vertica...	437114.32	404819.74	35.00	10.00	1.00	1.00
6	Grid 6: Pocket Park Vertic...	437101.28	404969.46	40.00	10.00	1.00	1.00
7	Grid 7: North West Vertica...	437098.46	405127.43	55.00	10.00	1.00	1.00

Luminaires



Luminaire A Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5267 Integrated lenses 16 OSLO N SQUARE GIANT@700mA
Lamp(s)	16 OSLO N SQUARE GIANT@700mA WW 730 230V
LampFlux(klm)/Colour	4.34 WW 3000K/70
File Name	AXIA 3.1 5267 16 OSLO N SQUARE GIANT T 700mA WW 730 35.6W 429102 Integrat...
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	985.2, 145.1, 0.0
No. in Project	43

Luminaire B Data

Supplier	Tamlite
Type	CITY BEAM
Lamp(s)	LED
Lamp Flux (klm)	4.00
File Name	CBU400SNWG.Idt
Maintenance Factor	1.00
Lum. Int. Class	G3
No. in Project	237

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	437140.93	404955.93	2.00	261.00	0.00	0.00	0.20			
2	A	437219.98	405128.39	6.00	138.00	5.00	0.00	0.50			
3	A	437192.27	405110.20	6.00	350.00	5.00	0.00	0.50			
4	A	437185.19	405074.23	6.00	351.00	5.00	0.00	0.50			
5	A	437207.21	405055.57	6.00	199.00	5.00	0.00	0.50			
6	A	437141.41	405069.73	6.00	259.00	5.00	0.00	0.50			
7	A	437175.49	405054.92	6.00	88.00	5.00	0.00	0.50			
8	A	437080.52	405033.34	6.00	21.00	5.00	0.00	0.50			
9	A	437116.51	405074.40	6.00	257.00	5.00	0.00	0.50			
10	A	437086.38	405061.35	6.00	133.00	5.00	0.00	0.50			
11	A	437155.00	404891.59	6.00	256.00	5.00	0.00	0.50			
12	A	437139.13	405009.03	6.00	172.00	5.00	0.00	0.50			
13	A	437245.68	404972.06	6.00	81.00	5.00	0.00	0.50			
14	A	437205.59	405024.82	6.00	172.00	5.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
15	A	437188.75	404986.33	6.00	345.00	5.00	0.00	0.50			
16	A	437210.94	404979.57	6.00	98.00	5.00	0.00	0.50			
17	A	437181.66	404947.49	6.00	348.00	5.00	0.00	0.50			
18	A	437212.05	404941.10	6.00	259.00	5.00	0.00	0.50			
19	A	437216.20	404863.40	6.00	162.00	5.00	0.00	0.50			
20	A	437305.17	404969.01	6.00	126.00	5.00	0.00	0.50			
21	A	437176.77	404921.24	6.00	346.00	5.00	0.00	0.50			
22	A	437169.55	404891.36	6.00	306.00	5.00	0.00	0.50			
23	A	437162.58	404850.02	6.00	350.00	5.00	0.00	0.50			
24	A	437166.02	404823.46	6.00	81.00	5.00	0.00	0.50			
25	A	437199.84	404883.35	6.00	257.00	5.00	0.00	0.50			
26	A	437315.62	405078.92	6.00	342.00	5.00	0.00	0.50			
27	A	437246.84	405004.92	6.00	349.00	5.00	0.00	0.50			
28	A	437261.61	405066.47	6.00	0.00	10.00	0.00	0.50			
29	A	437265.29	405099.25	6.00	351.00	5.00	0.00	0.50			
30	A	437323.55	405030.99	6.00	175.00	5.00	0.00	0.50			
31	A	437330.44	405108.91	6.00	166.00	5.00	0.00	0.50			
32	A	437320.92	405140.19	6.00	219.00	5.00	0.00	0.50			
33	A	437339.07	405054.27	6.00	264.00	5.00	0.00	0.50			
34	A	437376.21	405043.32	6.00	177.00	5.00	0.00	0.50			
35	A	437113.22	405002.30	6.00	77.00	5.00	0.00	0.50			
36	B	437124.16	404845.74	2.00	261.00	0.00	0.00	0.20			
37	B	437129.92	404844.63	2.00	261.00	0.00	0.00	0.20			
38	A	437282.16	404966.09	6.00	81.00	5.00	0.00	0.50			
39	A	437307.58	404993.86	6.00	346.00	5.00	0.00	0.50			
40	A	437255.81	405042.98	6.00	336.00	5.00	0.00	0.50			
41	A	437275.37	405111.30	6.00	171.00	5.00	0.00	0.50			
42	A	437275.01	405130.96	6.00	257.00	5.00	0.00	0.50			
43	A	437174.99	404864.80	6.00	165.00	5.00	0.00	0.50			
44	A	437100.36	404999.23	6.00	195.00	5.00	0.00	0.50			
45	A	437228.50	404890.37	6.00	169.00	5.00	0.00	0.50			
46	A	437138.92	404828.50	6.00	81.00	5.00	0.00	0.50			
47	B	437220.99	405123.10	2.00	81.00	0.00	0.00	0.20			
48	B	437231.89	405122.23	2.00	81.00	0.00	0.00	0.20			
49	B	437236.43	405122.10	2.00	81.00	0.00	0.00	0.20			
50	B	437245.12	405120.54	2.00	81.00	0.00	0.00	0.20			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
51	B	437252.76	405119.47	2.00	81.00	0.00	0.00	0.20			
52	B	437261.68	405115.73	2.00	81.00	0.00	0.00	0.20			
53	B	437281.23	405113.68	2.00	81.00	0.00	0.00	0.20			
54	B	437292.12	405112.00	2.00	81.00	0.00	0.00	0.20			
55	B	437299.24	405110.36	2.00	81.00	0.00	0.00	0.20			
56	B	437308.02	405108.66	2.00	81.00	0.00	0.00	0.20			
57	B	437314.14	405107.50	2.00	81.00	0.00	0.00	0.20			
58	B	437340.61	405176.60	2.00	169.00	0.00	0.00	0.20			
59	B	437339.32	405169.38	2.00	169.00	0.00	0.00	0.20			
60	B	437336.96	405163.78	2.00	169.00	0.00	0.00	0.20			
61	B	437334.25	405155.47	2.00	169.00	0.00	0.00	0.20			
62	B	437333.20	405149.80	2.00	169.00	0.00	0.00	0.20			
63	B	437337.11	405142.24	2.00	169.00	0.00	0.00	0.20			
64	B	437339.45	405130.68	2.00	169.00	0.00	0.00	0.20			
65	B	437359.87	405127.37	2.00	261.00	0.00	0.00	0.20			
66	B	437370.75	405125.05	2.00	261.00	0.00	0.00	0.20			
67	B	437381.56	405123.14	2.00	261.00	0.00	0.00	0.20			
68	B	437363.84	405107.55	2.00	80.00	0.00	0.00	0.20			
69	B	437376.82	405106.39	2.00	80.00	0.00	0.00	0.20			
70	B	437339.98	405113.64	2.00	169.00	0.00	0.00	0.20			
71	B	437337.61	405104.96	2.00	169.00	0.00	0.00	0.20			
72	B	437334.06	405094.44	2.00	169.00	0.00	0.00	0.20			
73	B	437332.19	405085.76	2.00	169.00	0.00	0.00	0.20			
74	B	437331.19	405080.18	2.00	169.00	0.00	0.00	0.20			
75	B	437331.29	405072.44	2.00	169.00	0.00	0.00	0.20			
76	B	437326.16	405068.86	2.00	169.00	0.00	0.00	0.20			
77	B	437330.22	405058.96	2.00	259.00	0.00	0.00	0.20			
78	B	437368.22	405057.99	2.00	351.00	0.00	0.00	0.20			
79	B	437369.87	405073.60	2.00	351.00	0.00	0.00	0.20			
80	B	437370.74	405081.38	2.00	351.00	0.00	0.00	0.20			
81	B	437333.58	405044.32	2.00	80.00	0.00	0.00	0.20			
82	B	437339.75	405039.69	2.00	80.00	0.00	0.00	0.20			
83	B	437347.48	405038.19	2.00	80.00	0.00	0.00	0.20			
84	B	437354.40	405036.31	2.00	80.00	0.00	0.00	0.20			
85	B	437329.30	404997.69	2.00	261.00	0.00	0.00	0.20			
86	B	437340.41	404998.94	2.00	261.00	0.00	0.00	0.20			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
87	B	437355.18	405000.04	2.00	348.00	0.00	0.00	0.20			
88	B	437321.33	404982.92	2.00	165.00	0.00	0.00	0.20			
89	B	437320.49	404977.51	2.00	171.00	0.00	0.00	0.20			
90	B	437342.14	404978.15	2.00	79.00	0.00	0.00	0.20			
91	B	437318.20	404972.04	2.00	169.00	0.00	0.00	0.20			
92	B	437301.27	404954.78	2.00	169.00	0.00	0.00	0.20			
93	B	437309.42	404949.00	2.00	259.00	0.00	0.00	0.20			
94	B	437314.97	404947.92	2.00	259.00	0.00	0.00	0.20			
95	B	437324.20	404946.42	2.00	259.00	0.00	0.00	0.20			
96	B	437334.06	404950.52	2.00	348.00	0.00	0.00	0.20			
97	B	437349.98	404972.49	2.00	350.00	0.00	0.00	0.20			
98	B	437301.45	404985.84	2.00	349.00	0.00	0.00	0.20			
99	B	437288.17	404981.13	2.00	259.00	0.00	0.00	0.20			
100	B	437282.49	404981.94	2.00	259.00	0.00	0.00	0.20			
101	B	437301.69	405004.48	2.00	350.00	0.00	0.00	0.20			
102	B	437303.24	405013.97	2.00	350.00	0.00	0.00	0.20			
103	B	437321.21	405003.45	2.00	170.00	0.00	0.00	0.20			
104	B	437306.69	405024.01	2.00	350.00	0.00	0.00	0.20			
105	B	437306.29	405031.94	2.00	350.00	0.00	0.00	0.20			
106	B	437307.70	405039.58	2.00	350.00	0.00	0.00	0.20			
107	B	437313.25	405082.66	2.00	350.00	0.00	0.00	0.20			
108	B	437312.16	405077.27	2.00	350.00	0.00	0.00	0.20			
109	B	437310.47	405067.89	2.00	350.00	0.00	0.00	0.20			
110	B	437309.02	405060.09	2.00	350.00	0.00	0.00	0.20			
111	B	437306.37	405051.04	2.00	350.00	0.00	0.00	0.20			
112	B	437305.28	405045.61	2.00	350.00	0.00	0.00	0.20			
113	B	437140.61	404845.18	2.00	261.00	0.00	0.00	0.20			
114	B	437153.57	404838.39	2.00	260.00	0.00	0.00	0.20			
115	B	437120.88	404827.13	2.00	81.00	0.00	0.00	0.20			
116	B	437131.28	404824.40	2.00	81.00	0.00	0.00	0.20			
117	B	437142.87	404823.28	2.00	81.00	0.00	0.00	0.20			
118	B	437156.47	404818.42	2.00	81.00	0.00	0.00	0.20			
119	B	437166.97	404816.50	2.00	81.00	0.00	0.00	0.20			
120	B	437178.22	404816.09	2.00	81.00	0.00	0.00	0.20			
121	B	437177.79	404836.04	2.00	260.00	0.00	0.00	0.20			
122	B	437190.18	404835.75	2.00	260.00	0.00	0.00	0.20			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
123	B	437204.69	404838.44	2.00	349.00	0.00	0.00	0.20			
124	B	437220.61	404857.87	2.00	260.00	0.00	0.00	0.20			
125	B	437237.94	404858.27	2.00	348.00	0.00	0.00	0.20			
126	B	437203.30	404872.52	2.00	80.00	0.00	0.00	0.20			
127	B	437197.65	404873.55	2.00	80.00	0.00	0.00	0.20			
128	B	437188.42	404875.15	2.00	80.00	0.00	0.00	0.20			
129	B	437178.41	404871.10	2.00	169.00	0.00	0.00	0.20			
130	B	437165.64	404875.33	2.00	349.00	0.00	0.00	0.20			
131	B	437157.70	404881.05	2.00	80.00	0.00	0.00	0.20			
132	B	437148.61	404883.86	2.00	80.00	0.00	0.00	0.20			
133	B	437143.13	404884.93	2.00	80.00	0.00	0.00	0.20			
134	B	437129.63	404882.66	2.00	80.00	0.00	0.00	0.20			
135	B	437130.63	404903.89	2.00	259.00	0.00	0.00	0.20			
136	B	437141.42	404902.09	2.00	259.00	0.00	0.00	0.20			
137	B	437147.92	404900.05	2.00	259.00	0.00	0.00	0.20			
138	B	437153.63	404899.01	2.00	259.00	0.00	0.00	0.20			
139	B	437160.07	404894.40	2.00	259.00	0.00	0.00	0.20			
140	B	437169.83	404898.57	2.00	348.00	0.00	0.00	0.20			
141	B	437183.40	404896.00	2.00	170.00	0.00	0.00	0.20			
142	B	437191.15	404888.55	2.00	259.00	0.00	0.00	0.20			
143	B	437199.01	404891.48	2.00	259.00	0.00	0.00	0.20			
144	B	437206.05	404890.14	2.00	259.00	0.00	0.00	0.20			
145	B	437210.66	404888.61	2.00	259.00	0.00	0.00	0.20			
146	B	437216.16	404887.60	2.00	259.00	0.00	0.00	0.20			
147	B	437232.90	404882.45	2.00	167.00	0.00	0.00	0.20			
148	B	437234.33	404890.40	2.00	170.00	0.00	0.00	0.20			
149	B	437275.70	405091.48	2.00	170.00	0.00	0.00	0.20			
150	B	437274.14	405083.40	2.00	170.00	0.00	0.00	0.20			
151	B	437272.74	405075.71	2.00	170.00	0.00	0.00	0.20			
152	B	437270.99	405066.33	2.00	170.00	0.00	0.00	0.20			
153	B	437271.02	405057.44	2.00	170.00	0.00	0.00	0.20			
154	B	437269.59	405050.10	2.00	170.00	0.00	0.00	0.20			
155	B	437268.00	405041.30	2.00	170.00	0.00	0.00	0.20			
156	B	437266.64	405034.03	2.00	170.00	0.00	0.00	0.20			
157	B	437265.63	405023.00	2.00	170.00	0.00	0.00	0.20			
158	B	437263.26	405015.79	2.00	170.00	0.00	0.00	0.20			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
159	B	437262.26	405010.05	2.00	170.00	0.00	0.00	0.20			
160	B	437258.59	404989.17	2.00	261.00	0.00	0.00	0.20			
161	B	437267.06	404986.03	2.00	260.00	0.00	0.00	0.20			
162	B	437275.47	404983.23	2.00	260.00	0.00	0.00	0.20			
163	B	437203.08	405000.15	2.00	170.00	0.00	0.00	0.20			
164	B	437213.86	404994.63	2.00	259.00	0.00	0.00	0.20			
165	B	437219.48	404993.62	2.00	260.00	0.00	0.00	0.20			
166	B	437228.34	404993.04	2.00	260.00	0.00	0.00	0.20			
167	B	437236.84	404991.38	2.00	260.00	0.00	0.00	0.20			
168	B	437171.75	404939.28	2.00	80.00	0.00	0.00	0.20			
169	B	437195.02	404934.44	2.00	80.00	0.00	0.00	0.20			
170	B	437204.79	404928.20	2.00	80.00	0.00	0.00	0.20			
171	B	437218.05	404925.34	2.00	80.00	0.00	0.00	0.20			
172	B	437142.05	404941.21	2.00	80.00	0.00	0.00	0.20			
173	B	437149.48	404939.08	2.00	80.00	0.00	0.00	0.20			
174	B	437154.80	404938.07	2.00	80.00	0.00	0.00	0.20			
175	B	437160.52	404936.73	2.00	80.00	0.00	0.00	0.20			
176	B	437136.87	404965.78	2.00	171.00	0.00	0.00	0.20			
177	B	437138.41	404972.79	2.00	171.00	0.00	0.00	0.20			
178	B	437140.59	404981.81	2.00	171.00	0.00	0.00	0.20			
179	B	437141.91	404987.44	2.00	171.00	0.00	0.00	0.20			
180	B	437142.98	404993.10	2.00	171.00	0.00	0.00	0.20			
181	B	437092.78	404973.70	2.00	15.00	0.00	0.00	0.20			
182	B	437090.93	404984.45	2.00	15.00	0.00	0.00	0.20			
183	B	437085.92	404994.64	2.00	15.00	0.00	0.00	0.20			
184	B	437080.94	405003.10	2.00	15.00	0.00	0.00	0.20			
185	B	437078.76	405015.04	2.00	15.00	0.00	0.00	0.20			
186	B	437077.51	405019.18	2.00	15.00	0.00	0.00	0.20			
187	B	437074.36	405029.55	2.00	15.00	0.00	0.00	0.20			
188	B	437073.60	405032.14	2.00	15.00	0.00	0.00	0.20			
189	B	437067.27	405053.08	2.00	359.00	0.00	0.00	0.20			
190	B	437069.84	405043.01	2.00	15.00	0.00	0.00	0.20			
191	B	437071.82	405037.83	2.00	15.00	0.00	0.00	0.20			
192	B	437095.15	405022.41	2.00	257.00	0.00	0.00	0.20			
193	B	437100.89	405021.37	2.00	257.00	0.00	0.00	0.20			
194	B	437110.80	405019.46	2.00	257.00	0.00	0.00	0.20			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
195	B	437105.08	405020.58	2.00	257.00	0.00	0.00	0.20			
196	B	437119.56	405018.52	2.00	257.00	0.00	0.00	0.20			
197	B	437127.24	405017.53	2.00	257.00	0.00	0.00	0.20			
198	B	437239.98	404928.06	2.00	79.00	0.00	0.00	0.20			
199	B	437258.56	404917.83	2.00	79.00	0.00	0.00	0.20			
200	B	437272.85	404916.43	2.00	79.00	0.00	0.00	0.20			
201	B	437234.64	404917.26	2.00	172.00	0.00	0.00	0.20			
202	B	437233.64	404911.58	2.00	172.00	0.00	0.00	0.20			
203	B	437284.22	404911.71	2.00	353.00	0.00	0.00	0.20			
204	B	437234.99	404905.56	2.00	172.00	0.00	0.00	0.20			
205	B	437234.03	404899.94	2.00	172.00	0.00	0.00	0.20			
206	B	437176.62	404958.92	2.00	348.00	0.00	0.00	0.20			
207	B	437177.46	404964.71	2.00	348.00	0.00	0.00	0.20			
208	B	437178.40	404969.91	2.00	348.00	0.00	0.00	0.20			
209	B	437180.81	404978.45	2.00	348.00	0.00	0.00	0.20			
210	B	437180.95	404990.31	2.00	348.00	0.00	0.00	0.20			
211	B	437184.46	404999.24	2.00	348.00	0.00	0.00	0.20			
212	B	437185.45	405005.02	2.00	348.00	0.00	0.00	0.20			
213	B	437241.33	405011.76	2.00	348.00	0.00	0.00	0.20			
214	B	437242.75	405018.99	2.00	348.00	0.00	0.00	0.20			
215	B	437247.38	405025.54	2.00	348.00	0.00	0.00	0.20			
216	B	437248.44	405031.21	2.00	348.00	0.00	0.00	0.20			
217	B	437250.22	405040.61	2.00	348.00	0.00	0.00	0.20			
218	B	437251.32	405046.28	2.00	348.00	0.00	0.00	0.20			
219	B	437253.11	405055.92	2.00	348.00	0.00	0.00	0.20			
220	B	437254.14	405061.56	2.00	348.00	0.00	0.00	0.20			
221	B	437253.58	405069.17	2.00	348.00	0.00	0.00	0.20			
222	B	437254.58	405074.81	2.00	348.00	0.00	0.00	0.20			
223	B	437254.99	405083.51	2.00	348.00	0.00	0.00	0.20			
224	B	437257.62	405094.69	2.00	348.00	0.00	0.00	0.20			
225	B	437256.64	405089.02	2.00	348.00	0.00	0.00	0.20			
226	B	437187.61	405012.33	2.00	348.00	0.00	0.00	0.20			
227	B	437188.68	405026.02	2.00	348.00	0.00	0.00	0.20			
228	B	437188.64	405017.97	2.00	348.00	0.00	0.00	0.20			
229	B	437189.49	405036.81	2.00	348.00	0.00	0.00	0.20			
230	B	437189.00	405052.30	2.00	79.00	0.00	0.00	0.20			

Layout Continued

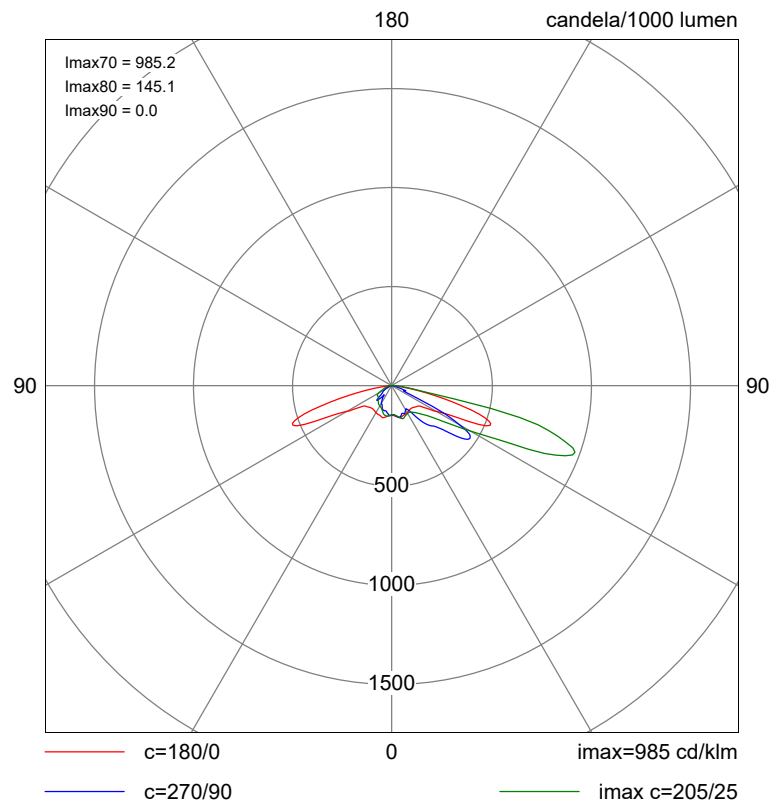
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
231	B	437211.85	405044.82	2.00	169.00	0.00	0.00	0.20			
232	B	437210.34	405037.30	2.00	171.00	0.00	0.00	0.20			
233	B	437208.66	405028.27	2.00	171.00	0.00	0.00	0.20			
234	B	437207.35	405021.28	2.00	171.00	0.00	0.00	0.20			
235	B	437212.67	405054.59	2.00	171.00	0.00	0.00	0.20			
236	B	437213.61	405059.69	2.00	171.00	0.00	0.00	0.20			
237	B	437213.81	405070.52	2.00	171.00	0.00	0.00	0.20			
238	B	437205.39	405091.73	2.00	171.00	0.00	0.00	0.20			
239	B	437206.45	405099.17	2.00	171.00	0.00	0.00	0.20			
240	B	437207.44	405104.81	2.00	171.00	0.00	0.00	0.20			
241	B	437068.98	405063.86	2.00	349.00	0.00	0.00	0.20			
242	B	437070.53	405069.67	2.00	314.00	0.00	0.00	0.20			
243	B	437076.74	405078.57	2.00	315.00	0.00	0.00	0.20			
244	B	437093.74	405060.42	2.00	78.00	0.00	0.00	0.20			
245	B	437104.63	405060.13	2.00	80.00	0.00	0.00	0.20			
246	B	437110.15	405059.45	2.00	80.00	0.00	0.00	0.20			
247	B	437117.84	405058.01	2.00	80.00	0.00	0.00	0.20			
248	B	437123.27	405056.61	2.00	80.00	0.00	0.00	0.20			
249	B	437131.98	405055.37	2.00	80.00	0.00	0.00	0.20			
250	B	437139.68	405053.90	2.00	80.00	0.00	0.00	0.20			
251	B	437148.86	405052.00	2.00	80.00	0.00	0.00	0.20			
252	B	437154.53	405050.97	2.00	80.00	0.00	0.00	0.20			
253	B	437161.95	405049.24	2.00	80.00	0.00	0.00	0.20			
254	B	437167.54	405048.38	2.00	80.00	0.00	0.00	0.20			
255	B	437182.26	405092.44	2.00	319.00	0.00	0.00	0.20			
256	B	437184.09	405102.97	2.00	44.00	0.00	0.00	0.20			
257	B	437167.49	405112.14	2.00	226.00	0.00	0.00	0.20			
258	B	437159.81	405119.99	2.00	226.00	0.00	0.00	0.20			
259	B	437173.30	405081.81	2.00	322.00	0.00	0.00	0.20			
260	B	437165.32	405073.06	2.00	316.00	0.00	0.00	0.20			
261	B	437155.47	405096.67	2.00	50.00	0.00	0.00	0.20			
262	B	437147.10	405103.50	2.00	43.00	0.00	0.00	0.20			
263	B	437087.05	405085.48	2.00	319.00	0.00	0.00	0.20			
264	B	437116.54	405082.30	2.00	226.00	0.00	0.00	0.20			
265	B	437107.92	405088.69	2.00	226.00	0.00	0.00	0.20			
266	B	437103.79	405092.62	2.00	226.00	0.00	0.00	0.20			

Layout Continued

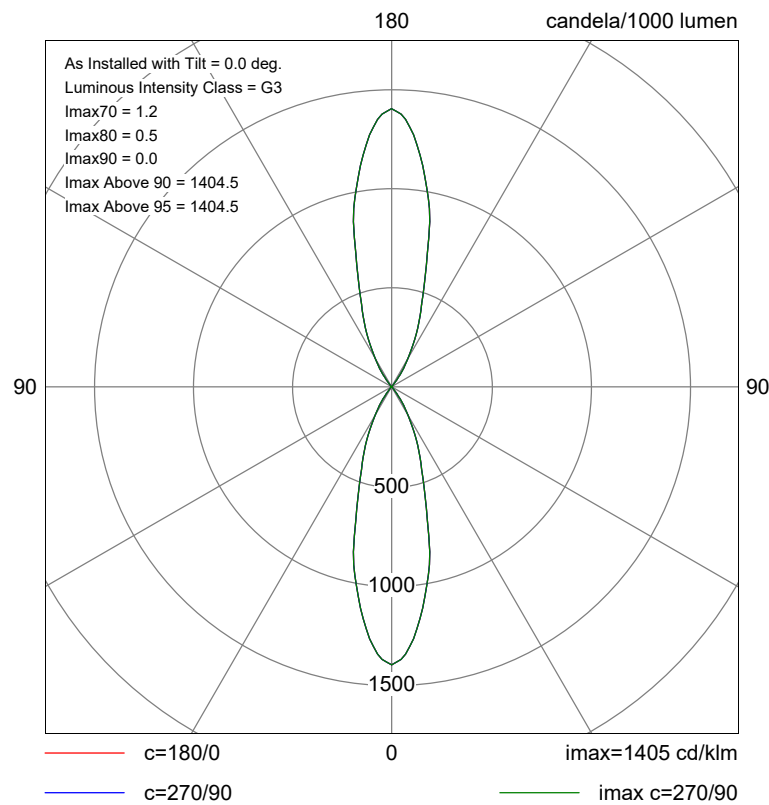
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
267	B	437100.53	405097.25	2.00	226.00	0.00	0.00	0.20			
268	B	437096.28	405101.16	2.00	226.00	0.00	0.00	0.20			
269	B	437086.74	405110.49	2.00	226.00	0.00	0.00	0.20			
270	B	437092.69	405105.01	2.00	226.00	0.00	0.00	0.20			
271	B	437225.74	405084.69	2.00	261.00	0.00	0.00	0.20			
272	B	437233.57	405083.24	2.00	259.00	0.00	0.00	0.20			
273	B	437362.60	405030.71	2.00	349.00	0.00	0.00	0.20			
274	B	437170.86	404951.09	2.00	262.00	0.00	0.00	0.20			
275	B	437145.86	405003.63	2.00	171.00	0.00	0.00	0.20			
276	B	437146.41	405009.26	2.00	171.00	0.00	0.00	0.20			
277	B	437147.91	405017.02	2.00	171.00	0.00	0.00	0.20			
278	B	437150.71	405024.70	2.00	171.00	0.00	0.00	0.20			
279	B	437134.97	405074.58	2.00	228.00	0.00	0.00	0.20			
280	B	437145.08	405079.51	2.00	316.00	0.00	0.00	0.20			

Polar Diagrams

Luminaire A AXIA 3.1 5267 Integrated lenses 16 OSLON SQUARE GIANT@700mA

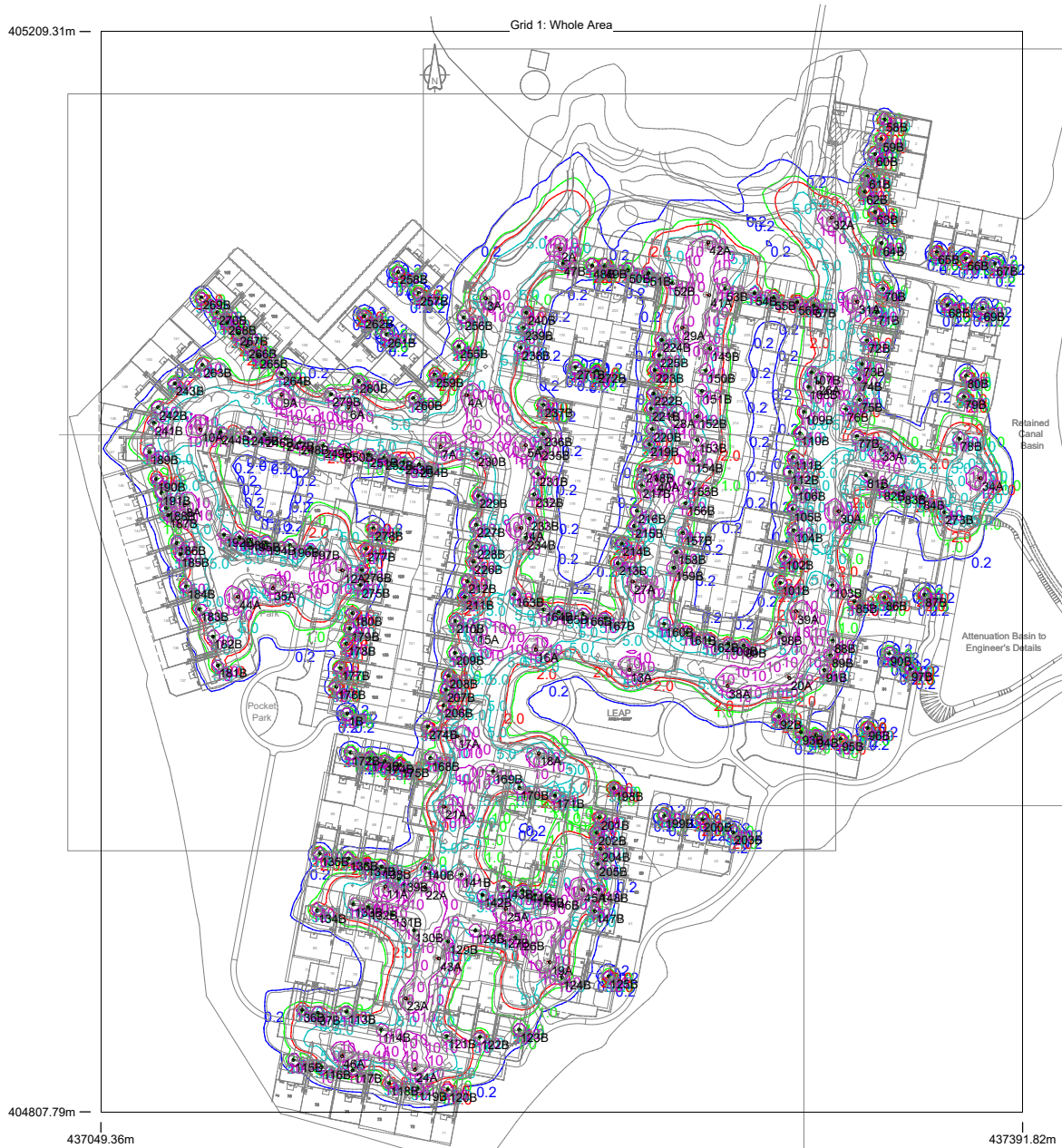


Luminaire B CITY BEAM



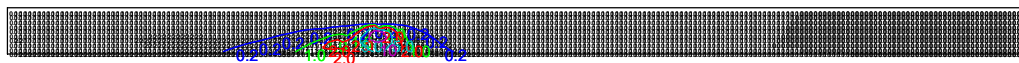
Horizontal Illuminance (lux)

Grid 1: Whole Area



Illuminance (lux)

Grid 2: Retained Canal Basin Vertical Grid

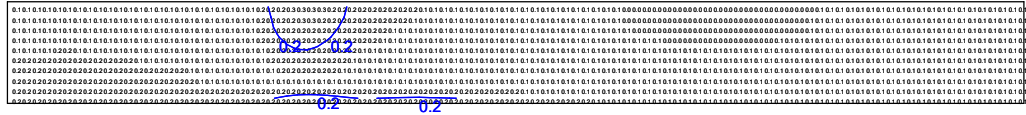


Results

Eav	0.29
Emin	0.01
Emax	20.30
Emin/Emax	0.00
Emin/Eav	0.04

Illuminance (lux)

Grid 3: South East Vertical Grid

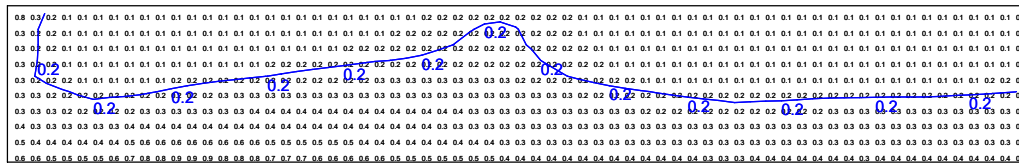


Results

Eav	0.11
Emin	0.04
E _{max}	0.28
Emin/E _{max}	0.15
Emin/Eav	0.37

Illuminance (lux)

Grid 4: Dob Sike Vertical Grid

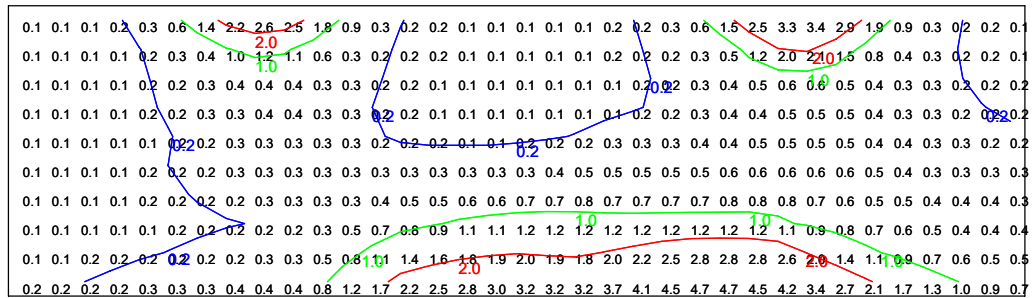


Results

Eav	0.24
Emin	0.07
Emax	0.91
Emin/Emax	0.08
Emin/Eav	0.29

Illuminance (lux)

Grid 5: South West Vertical Grid

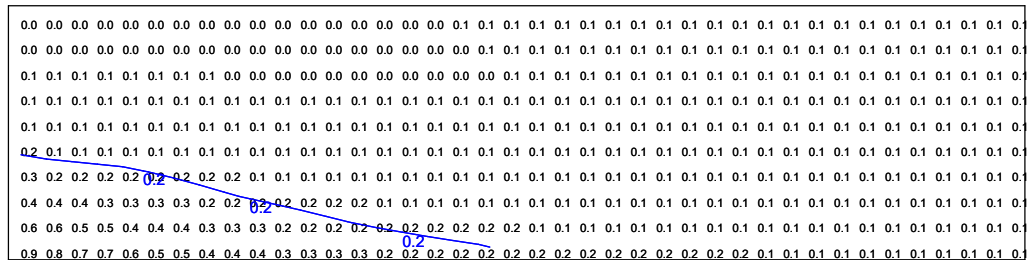


Results

Eav	0.69
Emin	0.06
Emax	4.70
Emin/Emax	0.01
Emin/Eav	0.09

Illuminance (lux)

Grid 6: Pocket Park Vertical Grid

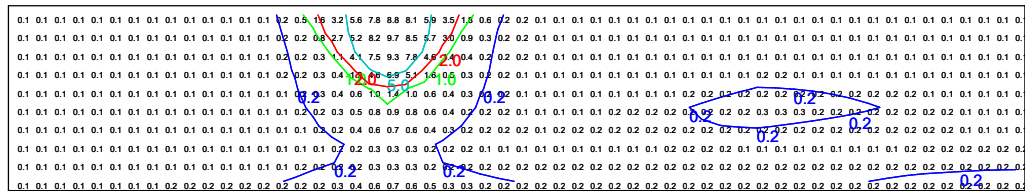


Results

Eav	0.12
Emin	0.04
Emax	0.91
Emin/Emax	0.05
Emin/Eav	0.38

Illuminance (lux)

Grid 7: North West Vertical Grid



Results

Eav	0.42
Emin	0.05
E _{max}	9.68
Emin/E _{max}	0.01
Emin/Eav	0.12