DATE:	**13 July 2020**
DESIGNER:	**MFP / SY**
PROJECT No:	**133647**
PROJECT NAME:	**Drove Lane, Yapton**

Outdoor Lighting Report

PREPARED BY:

RSK LDE Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

[redacted]

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Layout Report

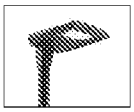
General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

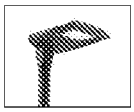
ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	South of Site	497075.43	103085.77	320.00	168.58	1.50	1.49
2	North of Site	497181.30	103196.29	319.41	341.41	1.50	1.50

Luminaires



Luminaire A Data

Supplier	Philips
Type	BGP615_DW50_1400_6LED_5.1S_CLO_L90_CW
Lamp(s)	LED-HB 5.1S CW
Lamp Flux (klm)	1.40
File Name	Luma Micro_BGP615_DW50_1400_6LED_5.1S_CLO_L90_CW.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	616.7, 39.5, 0.0
Lamp S/P Ratio	0.00
No. in Project	87



Luminaire B Data

Supplier	Philips
Type	BGP615_DW50_800_6LED_5.1S_CLO_L90_CW
Lamp(s)	LED-HB 5.1S CW
Lamp Flux (klm)	0.80
File Name	Luma Micro_BGP615_DW50_800_6LED_5.1S_CLO_L90_CW.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	616.7, 39.5, 0.0
Lamp S/P Ratio	1.96
No. in Project	44

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	497430.11	103405.28	6.00	135.00	0.00	0.00	0.50			
2	A	497411.54	103388.55	6.00	135.00	0.00	0.00	0.50			
3	A	497420.77	103261.36	6.00	88.00	0.00	0.00	0.50			
4	A	497392.70	103369.83	6.00	148.00	0.00	0.00	0.50			
5	A	497390.46	103350.11	6.00	195.00	0.00	0.00	0.50			
6	A	497394.10	103326.52	6.00	178.00	0.00	0.00	0.50			
7	A	497397.14	103299.84	6.00	181.00	5.00	0.00	0.50			
8	A	497391.87	103258.72	6.00	356.00	0.00	0.00	0.50			
9	A	497389.94	103201.45	6.00	0.00	0.00	0.00	0.50			
10	A	497390.41	103174.59	6.00	359.00	0.00	0.00	0.50			
11	B	497404.95	102989.37	6.00	56.00	0.00	0.00	0.50			
12	A	497399.68	103145.34	6.00	213.00	0.00	0.00	0.50			
13	A	497390.45	103233.10	6.00	0.00	0.00	0.00	0.50			
14	A	497383.29	103217.11	6.00	270.00	0.00	0.00	0.50			
15	A	497357.88	103218.32	6.00	268.00	0.00	0.00	0.50			
16	A	497332.40	103216.69	6.00	269.00	0.00	0.00	0.50			
17	A	497307.18	103216.78	6.00	267.00	0.00	0.00	0.50			
18	A	497283.11	103220.52	6.00	254.00	0.00	0.00	0.50			
19	A	497255.87	103215.78	6.00	319.00	0.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
20	A	497237.75	103194.98	6.00	321.00	0.00	0.00	0.50			
21	A	497158.88	103128.75	6.00	309.00	0.00	0.00	0.50			
22	A	497179.41	103150.31	6.00	309.00	0.00	0.00	0.50			
23	A	497201.84	103161.02	6.00	300.00	0.00	0.00	0.50			
24	A	497224.21	103174.34	6.00	310.00	0.00	0.00	0.50			
25	A	497189.71	103121.35	6.00	209.00	0.00	0.00	0.50			
26	A	497200.77	103102.19	6.00	218.00	0.00	0.00	0.50			
27	A	497186.52	103086.70	6.00	313.00	0.00	0.00	0.50			
28	A	497173.67	103064.89	6.00	136.00	0.00	0.00	0.50			
29	A	497212.40	103075.88	6.00	222.00	0.00	0.00	0.50			
30	A	497149.24	103049.23	6.00	32.00	0.00	0.00	0.50			
31	A	497217.36	103099.20	6.00	311.00	0.00	0.00	0.50			
32	A	497243.42	103108.12	6.00	136.00	0.00	0.00	0.50			
33	A	497263.84	103128.15	6.00	132.00	0.00	0.00	0.50			
34	A	497276.03	103150.89	6.00	323.00	0.00	0.00	0.50			
35	A	497307.35	103151.35	6.00	60.00	0.00	0.00	0.50			
36	A	497291.01	103172.03	6.00	236.00	0.00	0.00	0.50			
37	A	497335.52	103157.92	6.00	267.00	0.00	0.00	0.50			
38	A	497362.44	103158.06	6.00	270.00	0.00	0.00	0.50			
39	A	497388.14	103157.41	6.00	275.00	0.00	0.00	0.50			
40	A	497227.85	103046.79	6.00	58.00	0.00	0.00	0.50			
41	A	497253.19	103042.94	6.00	235.00	5.00	0.00	0.50			
42	A	497271.24	103043.70	6.00	314.00	0.00	0.00	0.50			
43	A	497202.75	102995.89	6.00	50.00	5.00	0.00	0.50			
44	A	497231.14	103016.14	6.00	135.00	0.00	0.00	0.50			
45	A	497288.75	103060.01	6.00	314.00	0.00	0.00	0.50			
46	B	497343.72	103039.85	6.00	26.00	0.00	0.00	0.50			
47	A	497308.73	103072.73	6.00	223.00	0.00	0.00	0.50			
48	A	497262.66	103020.01	6.00	40.00	0.00	0.00	0.50			
49	A	497280.71	103003.26	6.00	40.00	0.00	0.00	0.50			
50	A	497257.65	102952.92	6.00	42.00	0.00	0.00	0.50			
51	A	497276.44	102962.68	6.00	137.00	0.00	0.00	0.50			
52	A	497295.12	102981.73	6.00	131.00	0.00	0.00	0.50			
53	A	497317.69	102982.94	6.00	218.00	0.00	0.00	0.50			
54	A	497334.59	102961.34	6.00	207.00	0.00	0.00	0.50			
55	A	497339.43	102939.70	6.00	113.00	0.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
56	A	497350.06	103026.99	6.00	307.00	0.00	0.00	0.50			
57	A	497330.05	103011.65	6.00	313.00	0.00	0.00	0.50			
58	A	497310.46	103001.75	6.00	282.00	0.00	0.00	0.50			
59	A	497377.46	103022.14	6.00	225.00	0.00	0.00	0.50			
60	A	497397.22	103007.45	6.00	228.00	0.00	0.00	0.50			
61	A	497322.55	103285.25	6.00	327.00	0.00	0.00	0.50			
62	A	497383.21	103277.76	6.00	269.00	0.00	0.00	0.50			
63	A	497352.98	103277.45	6.00	266.00	0.00	0.00	0.50			
64	B	497369.50	103358.66	6.00	198.00	0.00	0.00	0.50			
65	A	497481.59	103062.50	6.00	141.00	0.00	0.00	0.50			
66	A	497506.70	103092.18	6.00	140.00	0.00	0.00	0.50			
67	A	497487.72	103105.02	6.00	45.00	0.00	0.00	0.50			
68	A	497459.25	103113.40	6.00	67.00	0.00	0.00	0.50			
69	A	497440.19	103101.86	6.00	325.00	0.00	0.00	0.50			
70	A	497404.82	103056.33	6.00	45.00	0.00	0.00	0.50			
71	A	497419.77	103081.19	6.00	313.00	0.00	0.00	0.50			
72	B	497373.09	103381.68	6.00	313.00	0.00	0.00	0.50			
73	A	497445.02	103268.74	6.00	269.00	0.00	0.00	0.50			
74	A	497469.28	103272.50	6.00	139.00	0.00	0.00	0.50			
75	A	497477.61	103292.13	6.00	234.00	0.00	0.00	0.50			
76	A	497500.31	103276.13	6.00	236.00	0.00	0.00	0.50			
77	A	497526.01	103257.98	6.00	238.00	0.00	0.00	0.50			
78	A	497518.87	103203.87	6.00	142.00	0.00	0.00	0.50			
79	B	497370.23	103108.51	6.00	153.00	0.00	0.00	0.50			
80	A	497427.20	103143.66	6.00	272.00	0.00	0.00	0.50			
81	A	497447.97	103162.08	6.00	0.00	0.00	0.00	0.50			
82	A	497446.22	103245.80	6.00	15.00	0.00	0.00	0.50			
83	A	497461.14	103218.04	6.00	179.00	0.00	0.00	0.50			
84	A	497458.57	103190.78	6.00	177.00	0.00	0.00	0.50			
85	B	497372.56	103009.21	6.00	51.00	0.00	0.00	0.50			
86	A	497485.82	103215.16	6.00	259.00	0.00	0.00	0.50			
87	A	497528.91	103232.61	6.00	325.00	5.00	0.00	0.50			
88	A	497384.78	103121.93	6.00	333.00	0.00	0.00	0.50			
89	A	497368.03	103092.55	6.00	324.00	0.00	0.00	0.50			
90	A	497354.39	103066.44	6.00	350.00	0.00	0.00	0.50			
91	A	497362.32	103044.51	6.00	198.00	0.00	0.00	0.50			

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Layout Continued

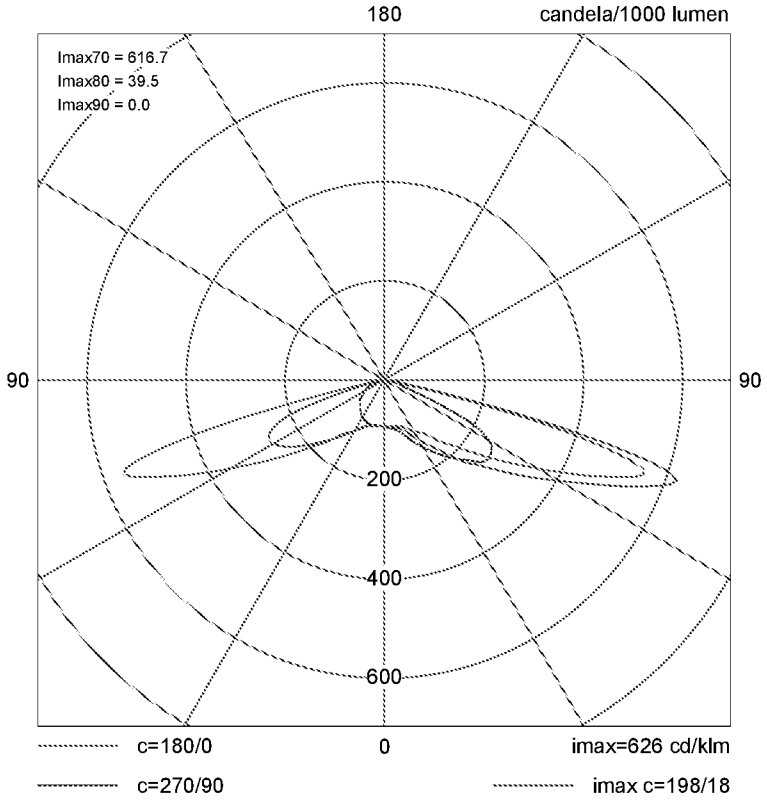
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
92	B	497399.75	103311.85	6.00	176.00	0.00	0.00	0.50			
93	A	497447.17	103127.67	6.00	342.00	0.00	0.00	0.50			
94	B	497342.84	103068.86	6.00	336.00	0.00	0.00	0.50			
95	B	497399.44	103403.24	6.00	300.00	0.00	0.00	0.50			
96	B	497407.73	103328.72	6.00	59.00	0.00	0.00	0.50			
97	B	497353.45	103087.65	6.00	129.00	0.00	0.00	0.50			
98	B	497382.93	103187.52	6.00	180.00	0.00	0.00	0.50			
99	B	497257.97	103087.47	6.00	225.00	0.00	0.00	0.50			
100	B	497383.42	103235.07	6.00	179.00	0.00	0.00	0.50			
101	B	497379.86	103130.08	6.00	161.00	0.00	0.00	0.50			
102	B	497371.99	102958.48	6.00	128.00	0.00	0.00	0.50			
103	B	497320.30	102926.85	6.00	127.00	0.00	0.00	0.50			
104	B	497425.33	103038.98	6.00	45.00	0.00	0.00	0.50			
105	B	497527.06	103115.47	6.00	137.00	0.00	0.00	0.50			
106	B	497453.53	103308.51	6.00	236.00	0.00	0.00	0.50			
107	B	497314.14	103260.55	6.00	341.00	0.00	0.00	0.50			
108	B	497142.59	103109.01	6.00	342.00	0.00	0.00	0.50			
109	B	497384.33	103255.98	6.00	183.00	0.00	0.00	0.50			
110	B	497312.07	103231.77	6.00	2.00	0.00	0.00	0.50			
111	B	497288.78	103094.33	6.00	224.00	0.00	0.00	0.50			
112	B	497507.64	103163.73	6.00	55.00	0.00	0.00	0.50			
113	B	497310.30	103126.03	6.00	81.00	0.00	0.00	0.50			
114	B	497345.48	103117.98	6.00	144.00	0.00	0.00	0.50			
115	B	497379.92	103335.48	6.00	272.00	0.00	0.00	0.50			
116	B	497475.56	103157.26	6.00	87.00	0.00	0.00	0.50			
117	B	497233.90	103160.64	6.00	41.00	0.00	0.00	0.50			
118	B	497284.95	103115.86	6.00	220.00	0.00	0.00	0.50			
119	B	497307.18	103096.99	6.00	225.00	0.00	0.00	0.50			
120	A	497330.37	103049.11	6.00	217.00	0.00	0.00	0.50			
121	B	497268.39	103108.24	6.00	49.00	0.00	0.00	0.50			
122	B	497322.54	103076.89	6.00	87.00	0.00	0.00	0.50			
123	B	497244.80	103144.69	6.00	23.00	0.00	0.00	0.50			
124	B	497412.94	103010.56	6.00	231.00	0.00	0.00	0.50			
125	B	497389.09	103028.08	6.00	232.00	0.00	0.00	0.50			
126	B	497379.28	103062.97	6.00	184.00	0.00	0.00	0.50			
127	B	497483.65	103191.52	6.00	95.00	0.00	0.00	0.50			

Layout Continued

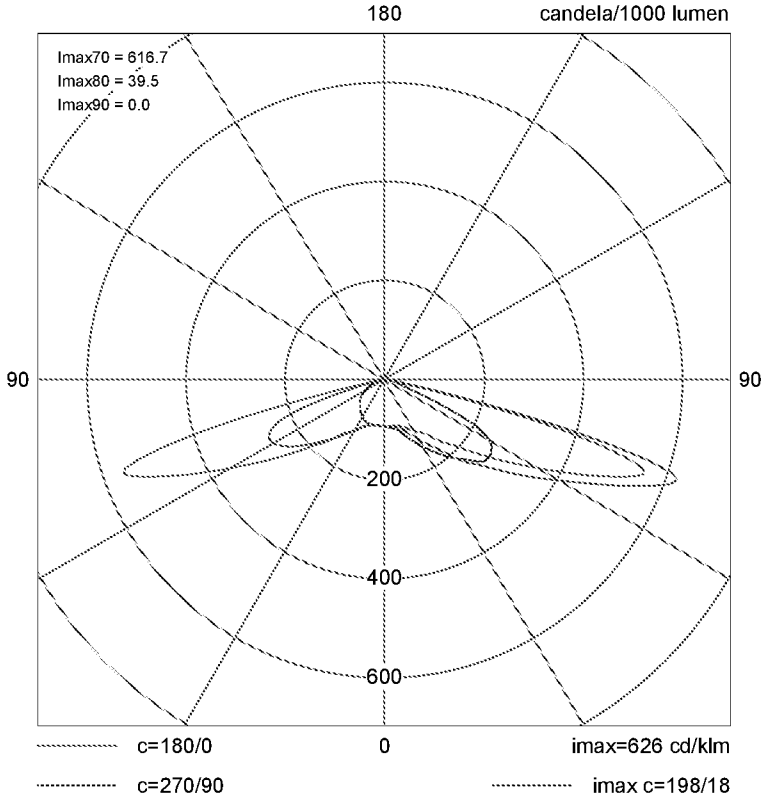
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
128	B	497447.19	103211.76	6.00	0.00	0.00	0.00	0.50			
129	B	497377.00	103043.58	6.00	154.00	0.00	0.00	0.50			
130	B	497473.34	103232.86	6.00	87.00	0.00	0.00	0.50			
131	B	497506.30	103180.52	6.00	168.00	0.00	0.00	0.50			

Polar Diagrams

Luminaire A BGP615 DW50 1400 6LED 5.1S CLO L90 CW

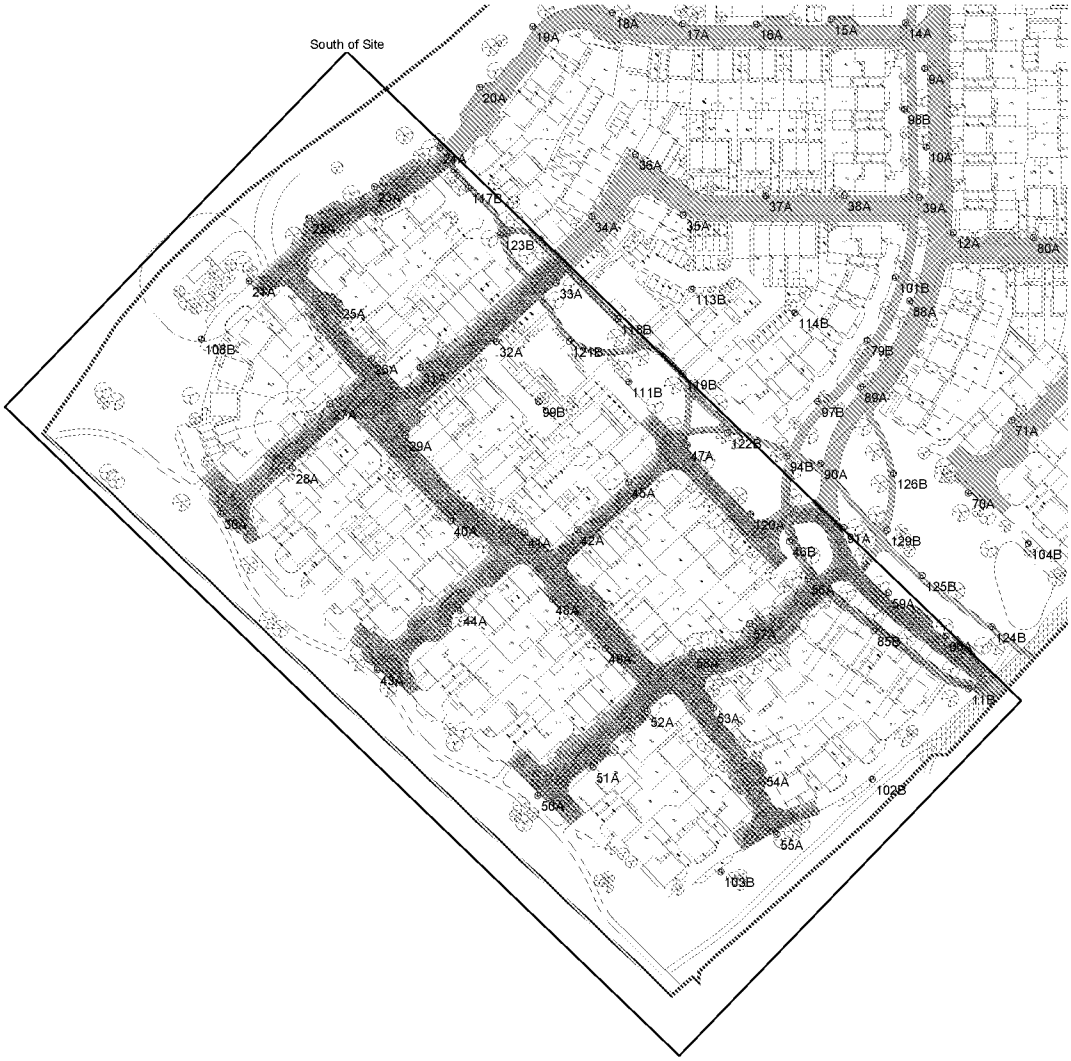


Luminaire B BGP615 DW50 800 6LED 5.1S CLO L90 CW



Horizontal Illuminance (lux)

South of Site



Results

Eav	2.43
Emin	0.60
Emax	4.54
Emin/Emax	0.13
Emin/Eav	0.25

Horizontal Illuminance (lux)

South of Site



Results

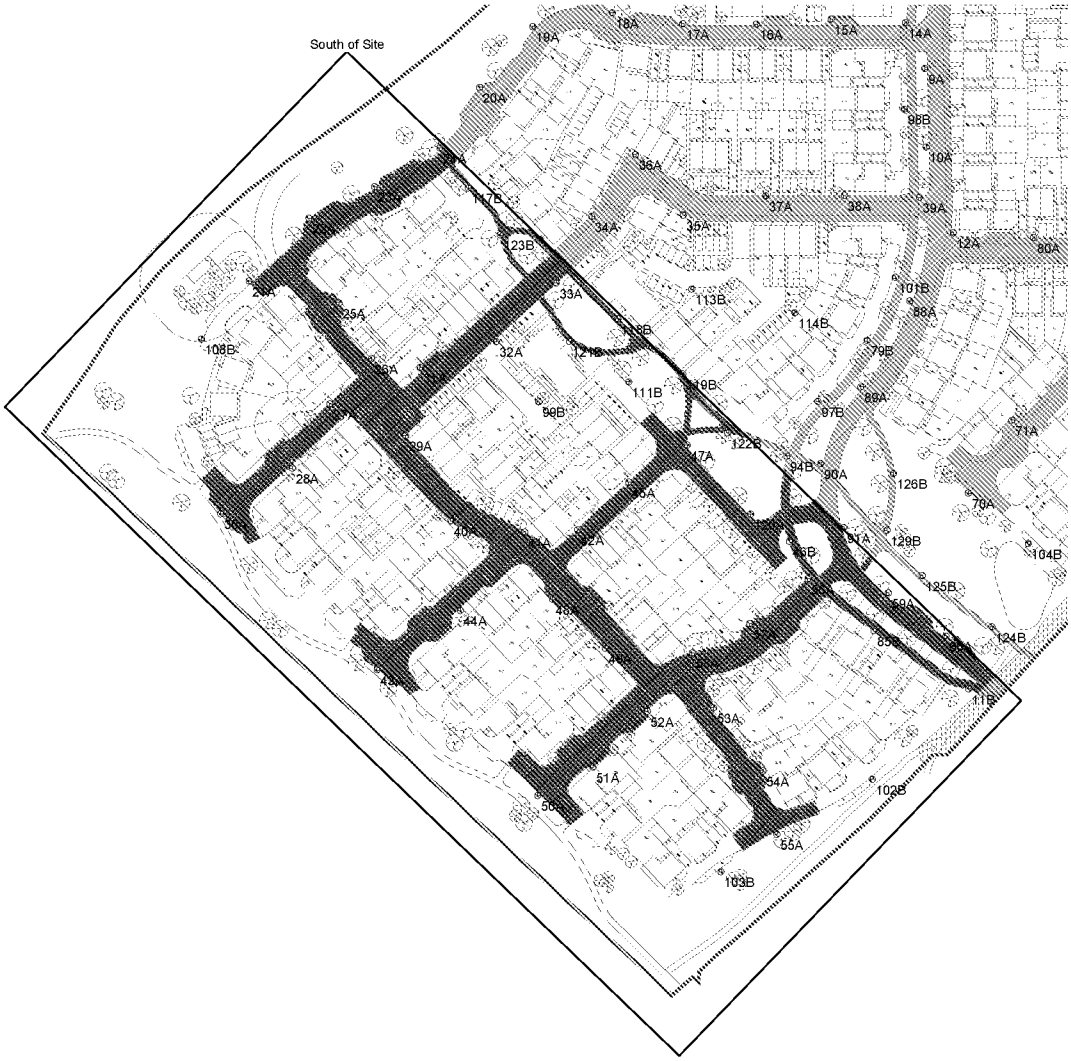
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Horizontal Illuminance (lux)

South of Site



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Horizontal Illuminance (lux)

North of Site



Results

Eav	2.36
Emin	0.58
Emax	4.87
Emin/Emax	0.12
Emin/Eav	0.25

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