

DATE: 6 April 2022
DESIGNER: DWalker
PROJECT No: AC-MSL-5943
PROJECT NAME: Polesworth Drive/Gorton Lane

ameyconsulting

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	387244.29	396912.99	65.48	64.45	0.99	0.99
2	Grid 2	387294.65	396892.19	23.64	32.52	0.98	1.08

Luminares

Luminaire A Data

Supplier	
Type	BGP615 DM50
Lamp(s)	LED-HB 4S/4000k
Lamp Flux (klm)	5.89
File Name	Luma Micro DM50 5.89klm @ 95% (5890 lm).ies
Maintenance Factor	0.83
Lum. Int. Class	G2
Lamp S/P Ratio	1.61
No. in Project	1

Luminaire B Data

Supplier	
Type	BGP621 DW50
Lamp(s)	LED-HB 4S/740
Lamp Flux (klm)	6.56
File Name	Luma Mini DW50 6.56klm @ 80% (6560 lm).ies
Maintenance Factor	0.83
Lum. Int. Class	G3
Lamp S/P Ratio	1.61
No. in Project	4

Luminaire D Data

Supplier	
Type	BGP621 DM50
Lamp(s)	LED-HB 4S/740
Lamp Flux (klm)	12.00
File Name	Luma Mini DM50 12klm @ 100% (12000 lm).ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	950.4, 42.6, 0.0
Lamp S/P Ratio	1.61
No. in Project	4

Luminaire E Data

Supplier	
Type	BGP615 DM50
Lamp(s)	LED-HB 4S/4000k
Lamp Flux (klm)	6.20
File Name	Luma Micro DM50 6.2klm @ 100% (6200 lm).ies
Maintenance Factor	0.83
Lum. Int. Class	G2
Lamp S/P Ratio	1.61
No. in Project	1

Luminaire F Data

Supplier	
Type	BGP621 DM12
Lamp(s)	LED-HB 4S/740
Lamp Flux (klm)	6.56
File Name	Luma Mini DM12 6.56klm @ 80% (6560 lm).ies
Maintenance Factor	0.83
Lum. Int. Class	G3
Lamp S/P Ratio	1.61
No. in Project	1

Luminaire G Data

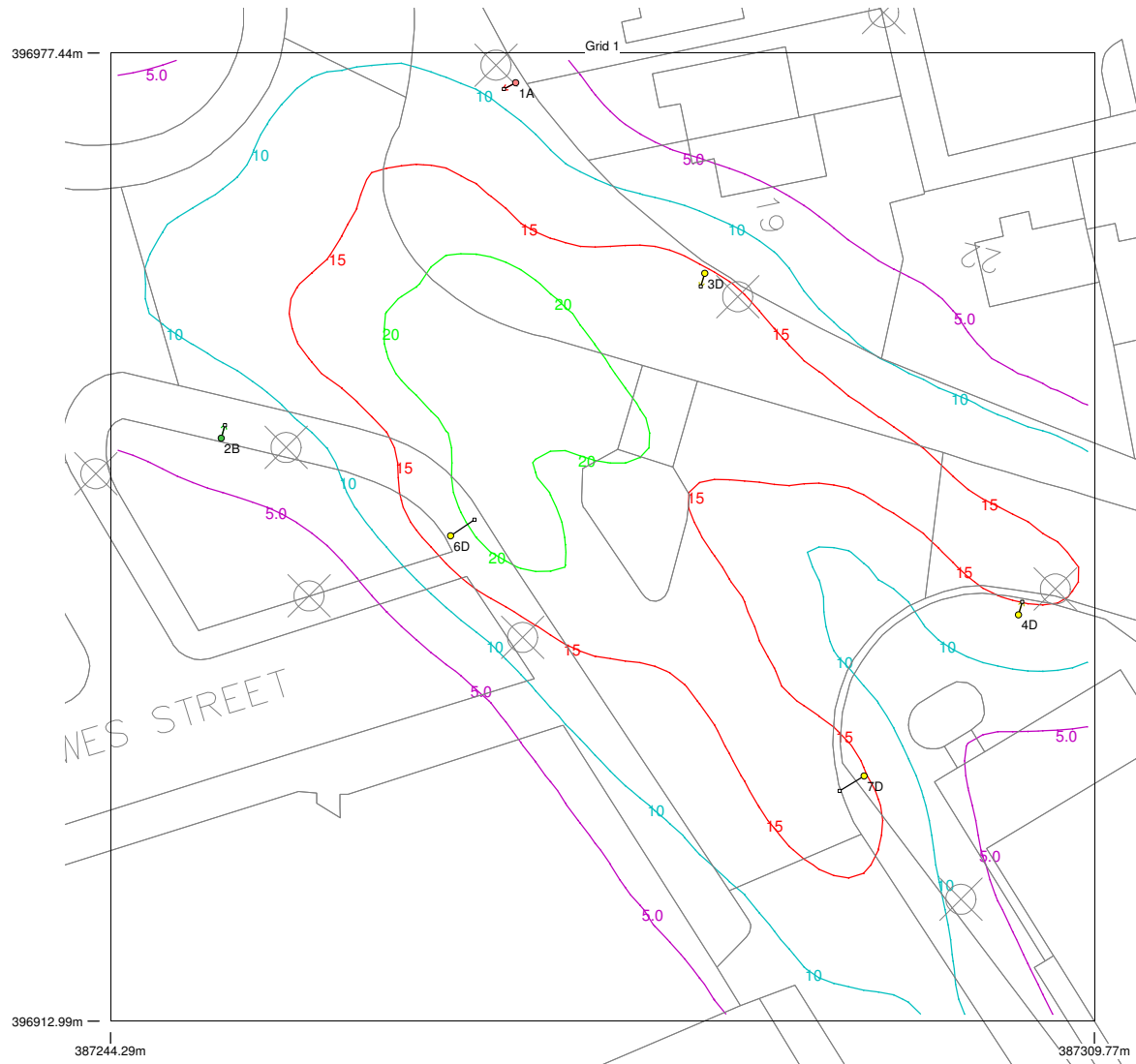
Supplier	
Type	BGP621 DM12
Lamp(s)	LED-HB 4S/740
Lamp Flux (klm)	8.20
File Name	Luma Mini DM12 8.2klm @ 100% (8200 lm).ies
Maintenance Factor	0.83
Lum. Int. Class	G3
Lamp S/P Ratio	1.61
No. in Project	1

Layout

ID /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	A	387271.25	396975.46	10.00	208.00	5.00	0.00	0.90			
2	B	387251.66	396951.80	10.00	75.00	0.00	0.00	0.90			
3	D	387283.82	396962.77	10.00	253.00	0.00	0.00	0.90			
4	D	387304.70	396940.04	10.00	74.00	0.00	0.00	0.90			
5	B	387233.58	396973.34	10.00	260.00	0.00	0.00	0.90			
6	D	387266.92	396945.32	10.00	34.00	0.00	0.00	1.90			
7	D	387294.42	396929.32	10.00	211.00	5.00	0.00	1.90			
8	E	387248.71	396999.89	10.00	11.00	5.00	0.00	0.90			
9	F	387299.06	396896.29	10.00	28.00	5.00	0.00	1.15			
10/1	B	387210.89	396976.23	10.00	83.00	0.00	0.00	0.90			
11/1	B	387210.89	396976.23	10.00	263.00	0.00	0.00	0.90			
12	G	387328.38	396877.18	10.00	198.00	5.00	0.00	1.15			

Horizontal Illuminance (lux)

Grid 1

**Results**

Eav	15.00
Emin	6.46
Emax	24.94
Emin/Emax	0.26
Emin/Eav	0.43

Horizontal Illuminance (lux)

Grid 2

**Results**

Eav	10.74
Emin	4.42
Emax	17.60
Emin/Emax	0.25
Emin/Eav	0.41