ID	Type	X	Y	Height	Angle	Tilt	Cant	Out (radial)
1	A	382.98	316.31	6.00	285.00	5.00	0.00	0.50
2	B	321.42	344.82	6.00	107.00	5.00	0.00	0.50
3	A	388.38	300.11	6.00	113.00	0.00	0.00	0.50
4	B	408.39	228.36	6.00	110.00	5.00	0.00	0.50
5	A	389.01	202.01	6.00	196.00	5.00	0.00	0.50
6	A	301.95	262.90	6.00	204.00	5.00	0.00	0.50
7	B	282.20	169.26	6.00	259.00	5.00	0.00	0.50
8	A	279.31	185.49	6.00	54.00	5.00	0.00	0.50
9	A	252.28	166.51	6.00	145.00	5.00	0.00	0.50
10	A	249.38	111.88	6.00	171.00	5.00	0.00	0.50
11	A	231.51	76.77	6.00	117.00	5.00	0.00	0.50
12	A	267.45	333.98	6.00	22.00	5.00	0.00	0.50
13	A	313.75	325.74	6.00	110.00	5.00	0.00	0.50
14	A	291.19	293.31	6.00	202.00	5.00	0.00	0.50
15	B	204.12	315.21	6.00	62.00	5.00	0.00	0.50
16	A	268.82	269.45	6.00	108.00	5.00	0.00	0.50
17	A	223.09	264.72	6.00	290.00	5.00	0.00	0.50
18	A	233.67	237.11	6.00	24.00	5.00	0.00	0.50
19	A	246.97	199.48	6.00	25.00	5.00	0.00	0.50
20	A	249.10	140.41	6.00	167.00	5.00	0.00	0.50
21	A	313.92	228.99	6.00	198.00	5.00	0.00	0.50
22	B	382.90	219.39	6.00	113.00	0.00	0.00	0.50
23	A	351.31	185.95	6.00	199.00	5.00	0.00	0.50
24	B	357.60	333.58	6.00	206.00	5.00	0.00	0.50
25	B	338.98	388.53	6.00	204.00	5.00	0.00	0.50
26	B	348.76	359.03	6.00	203.00	5.00	0.00	0.50
27	A	354.18	373.12	6.00	292.00	5.00	0.00	0.50
28	B	290.25	333.98	6.00	111.00	5.00	0.00	0.50
29	A	271.60	310.15	6.00	114.50	5.00	0.00	0.50
30	A	243.34	298.74	6.00	208.00	5.00	0.00	0.50
31	A	267.02	360.33	6.00	209.00	5.00	0.00	0.50
32	A	221.80	160.57	6.00	111.00	5.00	0.00	0.50
33	A	197.16	128.28	6.00	21.00	5.00	0.00	0.50
34	A	187.37	156.81	6.00	16.00	5.00	0.00	0.50
35	A	177.88	210.48	6.00	206.00	5.00	0.00	0.50
36	A	147.40	162.04	6.00	108.00	5.00	0.00	0.50
37	A	244.35	320.93	6.00	283.00	5.00	0.00	0.50
38	B	179.02	173.21	6.00	108.00	5.00	0.00	0.50
39	B	199.17	275.64	6.00	283.00	5.00	0.00	0.50
40	B	135.16	115.28	6.00	193.00	5.00	0.00	0.50
41	A	128.43	141.60	6.00	190.00	5.00	0.00	0.50
42	A	62.93	162.76	6.00	90.00	5.00	0.00	0.50
43	A	118.82	165.91	6.00	202.00	5.00	0.00	0.50
44	A	105.41	204.01	6.00	195.00	5.00	0.00	0.50
45	A	273.19	144.88	6.00	100.00	5.00	0.00	0.50
46	A	154.40	238.99	6.00	49.00	5.00	0.00	0.50
47	A	204.65	296.77	6.00	333.00	5.00	0.00	0.50
48	A	225.41	280.21	6.00	23.00	5.00	0.00	0.50
49	B	352.14	208.52	6.00	110.00	0.00	0.00	0.50
50	A	308.10	192.97	6.00	111.00	5.00	0.00	0.50
51	B	232.43	329.98	6.00	203.00	5.00	0.00	0.50
52	A	186.14	256.00	6.00	295.00	5.00	0.00	0.50
53	B	353.39	301.12	6.00	18.00	0.00	0.00	0.50
54	B	363.31	273.26	6.00	23.00	5.00	0.00	0.50
55	B	371.65	249.29	6.00	23.00	5.00	0.00	0.50
56	B	329.41	215.83	6.00	286.00	5.00	0.00	0.50
57	A	367.86	229.34	6.00	291.00	5.00	0.00	0.50
58	A	102.18	161.32	6.00	85.00	5.00	0.00	0.50
59	A	82.88	182.53	6.00	309.00	5.00	0.00	0.50
60	A	292.66	223.58	6.00	203.00	0.00	0.00	0.50
61	A	274.89	255.41	6.00	211.00	5.00	0.00	0.50
62	A	335.31	180.18	6.00	26.00	0.00	0.00	0.50
63	A	373.02	196.05	6.00	26.00	0.00	0.00	0.50
64	B	300.50	352.24	6.00	292.00	0.00	0.00	0.50

Calculation Summary - Horizontal illuminance (lux)

Description	E_{av}	E_{min}	E_{max}	E_{min}/E_{max}	E_{min}/E_{av}	E_{max}/E_{av}
Road & Paths - Section 1	6.33	1.24	26.07	0.05	0.20	4.12
Road & Paths - Section 2	5.74	1.12	24.41	0.05	0.20	4.25

Luminaire Schedule

Symbol	Type	Lamp(s)	MF	Height	Quantity	Imax70,80,90(cd/klm)
	Veelite Metro Streetlight 27W LED Street Optic R01	12LED 3000K G4	0.80	6 metres	45	680.3, 387.6, 0.6
	Veelite Metro Streetlight 27W LED Forward Throw A Optic	12LED 3000K G4	0.80	6 metres	19	401.3, 47.0, 0.5

Legend

- Veelite Metro Streetlight 27W LED Street Optic R01
- Veelite Metro Streetlight 27W LED Forward Throw A Optic
- Beam Aiming Target
- Photometric Centre

Veelite Metro Streetlight
by Electrical Contractor

Notes:
1. Do **NOT** scale from this drawing.
2. The actual results achieved may vary from predicted values due to normal deviation in luminaire installation, electrical supply, equipment tolerances, obstructions including poles, brackets and mounting arms, reflectances etc.
3. This design is based on a preliminary assessment only and will be developed during the detailed design stage.

Rev	Description	Date	Ckd
P4	Planning	24.01.25	DC
P3	Planning	25.07.23	BC
P2	Preliminary Design for Planning	26.02.23	RK
P1	Preliminary Design for Planning	20.02.23	RK

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Client: Loughglynn Developments Ltd.

Site: Grange End, Dunshaughlin, Co. Meath

Title: External Lighting Layout
Internal Roads

Drawing no.: 5288-CCE-XXXX-XX-DR-E01-006300

Approved: BC Checked: RK Drawn: IV
Scale: 1:500
Size: A0

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