

DATE: 23 November 2023
DESIGNER: Loveday Lighting Limited
PROJECT No: LL1683-001
PROJECT NAME: Ashbourne Road, Foxlow



Private Lighting Design - Rev D

6m Column with ASD Highway Diamond LED Luminaires
& 3m ASD Lighting Stealth Elite Wall mounted Units

The light trespass level pre curfew for an E2 – Environmental zone is
up to 5 Lux into windows.

The Retail Units have averages between 2-4 Lux, these figures are
within the criteria and are not residential properties, its envisaged
the Retail Units will have operating times
generally within 08:00 and 18:00.

Retail Units

PREPARED BY: Loveday Lighting Limited
Email: aimie@lovedaylighting.com
Website: www.lovedaylighting.com



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 - Vertical calc	406821.21	371730.39	22.92	3.00	1.00	1.00
2	Grid 2 - Vertical calc	406795.33	371724.56	26.04	3.00	1.00	1.00
3	Grid 3 - Vertical calc	406814.27	371742.29	9.58	3.00	1.06	1.00
4	Grid 4 - Vertical calc	406820.82	371735.35	9.98	3.00	1.00	1.00
5	Grid 5 - Vertical calc	406828.05	371742.08	19.98	3.00	1.00	1.00

Luminaires



Luminaire A Data

Supplier	ASD Lighting
Type	HWD2-#4K04 700-S0-CLO Gen 5
Lamp(s)	LED 4000K
LampFlux(klm)/Colour	1.05 4000/72
File Name	HWD2-#4K04 700-S0-CLO (10W).ldt
Maintenance Factor	0.83
Lum. Int. Class	G5
No. in Project	1

Luminaire B Data

Supplier	
Type	STEALTH ELITE 4000K M1 LENS LED1500
Lamp(s)	LED
LampFlux(klm)/Colour	1.61 4000K/70
File Name	SEL-#4LED1500-M1.ldt
Maintenance Factor	0.83
Lum. Int. Class	None
No. in Project	2

Luminaire C Data

Supplier	
Type	STEALTH ELITE 4000K SO LENS LED1500
Lamp(s)	LED
LampFlux(klm)/Colour	1.63 4000K/70
File Name	SEL-#4LED1500-S0.ldt
Maintenance Factor	0.83
Lum. Int. Class	G2
No. in Project	1

Luminaire E Data

Supplier	
Type	FTS.3.LA094.FW
Lamp(s)	LED C.9000LM-4000K
Lamp Flux (klm)	8.38
File Name	FTS.3.LA094.FW.ies
Maintenance Factor	0.83
Lum. Int. Class	None
No. in Project	6

Luminaire F Data

Supplier	
Type	FTS.3.LA094.AY
Lamp(s)	LED C.9000LM-4000K
Lamp Flux (klm)	8.61
File Name	FTS.3.LA094.AY.ies
Maintenance Factor	0.83
Lum. Int. Class	G3
No. in Project	2



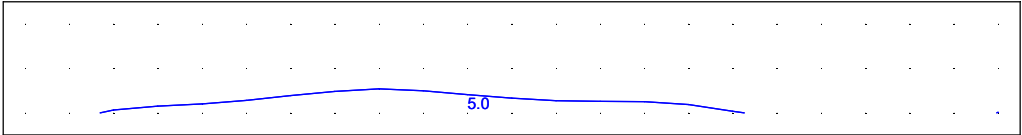
Layout

ID /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	A	406822.15	371716.59	6.00	135.00	0.00	0.00	0.40			
2	C	406817.47	371739.49	3.00	42.00	0.00	0.00	0.00			
3	B	406805.12	371734.12	3.00	136.00	0.00	0.00	0.00			
4	F	406780.59	371719.74	6.00	50.00	0.00	0.00	0.40			
5/2	E	406841.51	371708.56	6.00	311.00	0.00	0.00	0.40			
6/1	E	406823.29	371692.23	6.00	313.00	0.00	0.00	0.40			
7	B	406833.25	371737.39	3.00	43.00	0.00	0.00	0.00			
8/1	E	406823.29	371692.23	6.00	133.00	0.00	0.00	0.40			
9/2	E	406841.51	371708.56	6.00	131.00	0.00	0.00	0.40			
10/3	E	406831.39	371699.02	6.00	320.00	0.00	0.00	0.40			
11/3	E	406831.39	371699.02	6.00	140.00	0.00	0.00	0.40			
12	F	406798.24	371700.91	6.00	40.00	0.00	0.00	0.40			



Illuminance (lux)

Grid 1 - Vertical calc



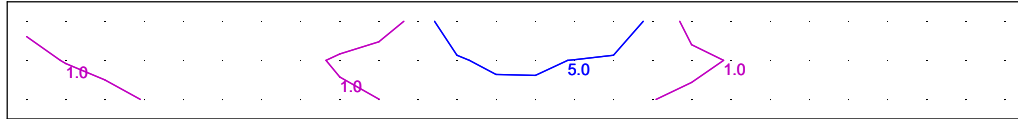
Results

Eav	3.47
Emin	1.43
Emax	6.19
Emin/Emax	0.23
Emin/Eav	0.41



Illuminance (lux)

Grid 2 - Vertical calc



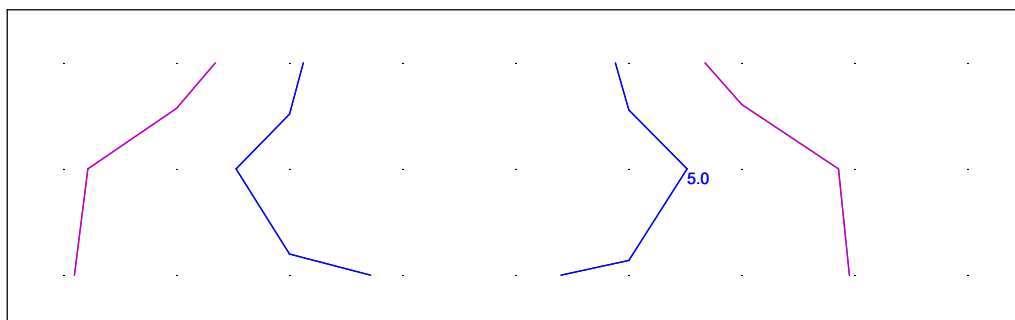
Results

Eav	2.82
Emin	0.01
Emax	58.78
Emin/Emax	0.00
Emin/Eav	0.00



Illuminance (lux)

Grid 3 - Vertical calc



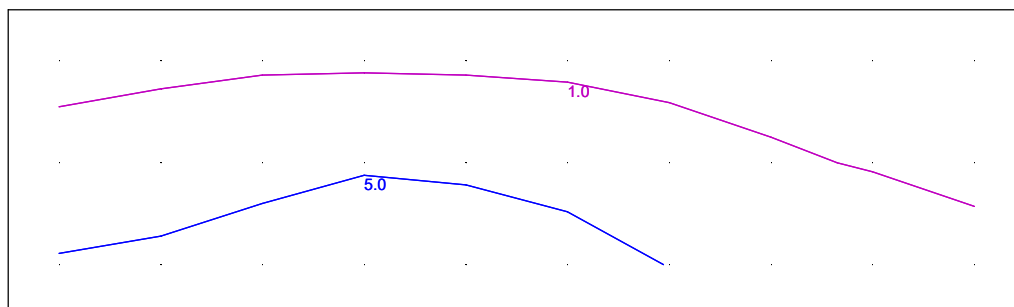
Results

Eav	4.86
Emin	0.03
Emax	23.24
Emin/Emax	0.00
Emin/Eav	0.01



Illuminance (lux)

Grid 4 - Vertical calc



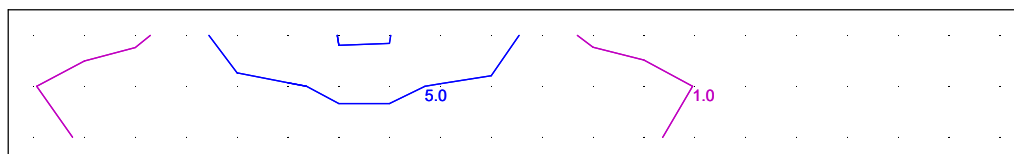
Results

Eav	2.63
Emin	0.16
Emax	7.05
Emin/Emax	0.02
Emin/Eav	0.06



Illuminance (lux)

Grid 5 - Vertical calc



Results

Eav	2.30
Emin	0.01
Emax	17.33
Emin/Emax	0.00
Emin/Eav	0.00