

DATE: 14 July 2026
DESIGNER: D Larkin (CMS)
PROJECT No: 1439-R0
PROJECT NAME: Mountmellick MDA Works



The lighting design has achieved the following Lighting Standards:
IS EN 13201- 2:2015 / BS5489-1:2020
MF CALCULATION: Environment Zone E3 - Dim - Profile U15
 $<6\text{MH f}\mu\text{(Overall MF)} = (\text{fif } 100\% \times \text{fs } 1 \times \text{f}\mu\text{m } 0.94 \text{ (E3/E4)} = 0.94$
Public Lighting Works:
-Supply & Installation of 4 No. 6m Octagonal Column
-Supply & Installation of 20 No. 8m Octagonal Column
-Supply & Installation of 24 No. Fuse Units
-Supply & Installation of 26 No. Urbis Axia LED Lanterns
-Supply & Installation of 26 No. Photocell Units
-Supply & Installation of 2 No. 180° Bracket
-Supply & Installation of Rear Louvres Axia 3.2 (16C)
-NC4/MPs TBC
-Supply & Install of PL Cable & Accessories as required
-Civils to be performed by MC/LA
ANGLES & TILTS TO BE FOLLOWED
LIGHTING MUST BE INSTALLED IN COMPLIANCE WITH
ESB/LA/SAFE ELECTRIC POLICIES & RULES

Outdoor Lighting Report

Electric Skyline confirms that this Design complies with relevant Lighting Standards. However as the Design was prepared on a Desktop basis, Electric Skyline assumes no responsibility or liability for any errors or omissions which may occur due to varying conditions on the Project site. This Design is provided on a provisional basis only, with no guarantees of completeness or accuracy until on-site surveys are completed by associated Contractors and all Safety Rules and Codes of Practice have been taken into consideration.”

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 Car Park	644827.55	707380.85	98.96	49.07	1.50	1.49
2	Grid 2 P2	644797.92	707434.96	166.57	63.79	1.49	1.48
3	Grid 3 Car Park	644892.11	707412.09	24.62	34.56	1.45	1.44
4	Grid 4 Vehicle Turning Poi...	644834.69	707486.99	110.47	47.62	1.49	1.49
5	Grid 5 Loading 50 Eav	644895.29	707444.54	30.42	15.54	1.45	1.41
6	Grid 6 Ped X-ing P1	644925.00	707367.86	6.89	14.16	1.38	1.42

Luminaires

Luminaire A Data

Supplier	
Type	AXIA 3.2 5266 Integrated lenses 32 OSLO N SQUARE GIANT LED@30
Lamp(s)	32 OSLO SQUARE GIANT@300mA WW 730 230V 02-58-001
LampFlux(klm)/Colour	4.61 WW 3000K/70
File Name	AXIA 3.2 5266 32 OSLO SQUARE GIANT Drv 300mA WW 730 29.6W 614422 Integra...
Maintenance Factor	0.92
Imax70,80,90(cd/klm)	1150.5, 96.8, 0.0
No. in Project	5

Luminaire B Data

Supplier	
Type	AXIA 3.2 5267 Integrated lenses 32 OSLO N SQUARE GIANT LED@45
Lamp(s)	32 OSLO SQUARE GIANT@450mA WW 730 230V 02-58-001
LampFlux(klm)/Colour	6.49 WW 3000K/70
File Name	AXIA 3.2 5267 32 OSLO SQUARE GIANT Drv 450mA WW 730 44W 614432 Integrat...
Maintenance Factor	0.92
Imax70,80,90(cd/klm)	993.0, 97.5, 0.0
No. in Project	2

Luminaire C Data

Supplier	
Type	AXIA 3.2 5267 Integrated lenses 32 OSLO N SQUARE GIANT LED@70
Lamp(s)	32 OSLO SQUARE GIANT@700mA WW 730 230V 02-58-000
LampFlux(klm)/Colour	9.41 WW 3000K/70
File Name	AXIA 3.2 5267 32 OSLO SQUARE GIANT Drv 700mA WW 730 69W 614432 Integrat...
Maintenance Factor	0.92
Imax70,80,90(cd/klm)	993.0, 97.5, 0.0
No. in Project	4

Luminaire D Data

Supplier	
Type	AXIA 3.3 5267 Integrated lenses 64 OSLO N SQUARE GIANT LED@70
Lamp(s)	64 OSLO SQUARE GIANT@700mA WW 730 230V 00-46-431
LampFlux(klm)/Colour	18.53 WW 3000K/70
File Name	AXIA 3.3 5267 64 OSLO SQUARE GIANT Drv 700mA WW 730 137W 614432 Integra...
Maintenance Factor	0.92
Imax70,80,90(cd/klm)	993.0, 97.5, 0.0
No. in Project	9

Luminaire E Data

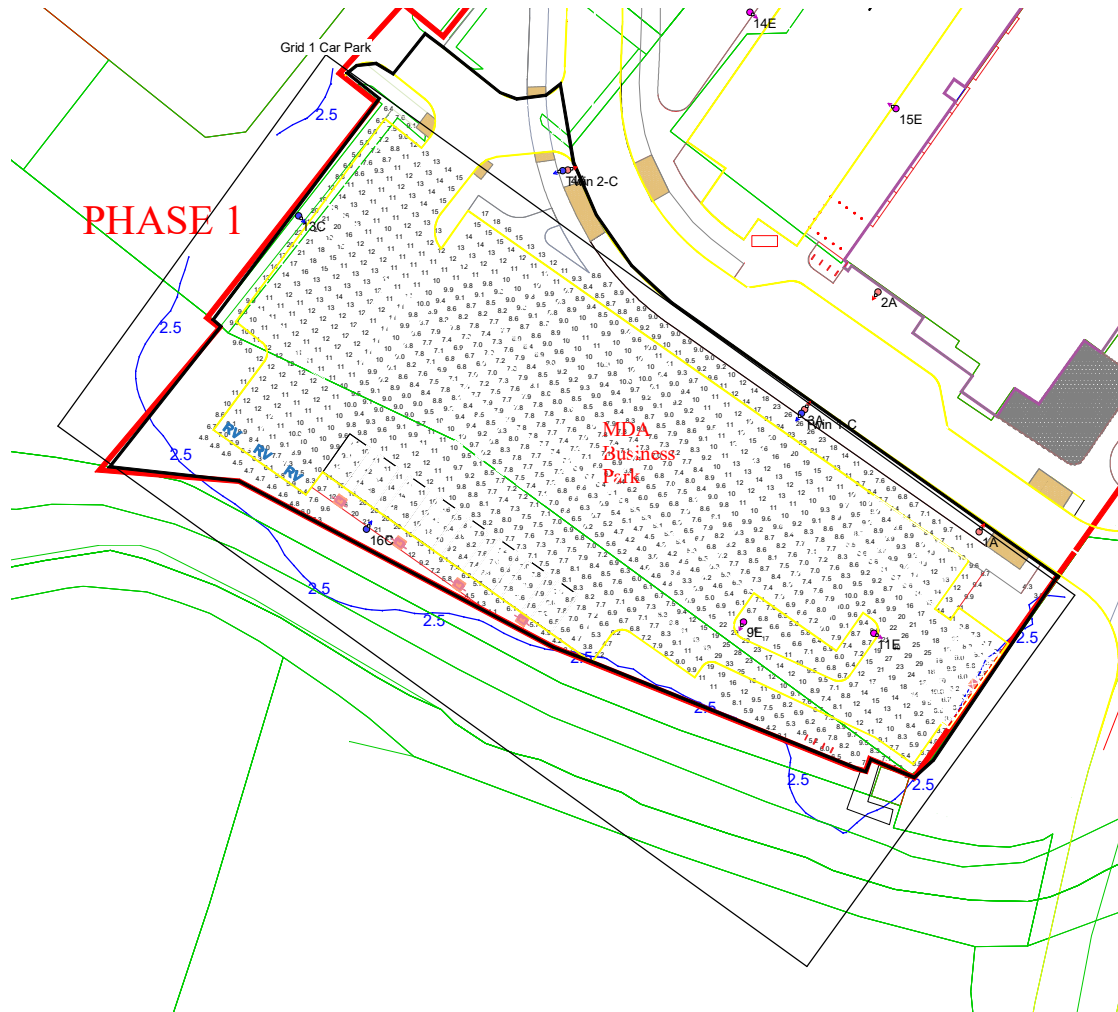
Supplier	
Type	AXIA 3.1 5266 Integrated lenses 16 OSLO N SQUARE GIANT LED@60
Lamp(s)	16 OSLO SQUARE GIANT@600mA WW 730 230V 01-11-814
LampFlux(klm)/Colour	4.25 WW 3000K/70
File Name	AXIA 3.1 5266 16 OSLO SQUARE GIANT Drv 600mA WW 730 31W 614422 Integrat...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1150.5, 96.8, 0.0
No. in Project	4

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	644926.25	707369.55	8.00	56.00	0.00	0.00	0.40			
2	A	644915.43	707395.22	8.00	233.00	0.00	0.00	0.40			
3	A	644907.58	707382.65	8.00	56.00	0.00	0.00	0.40			
4	A	644882.20	707408.31	8.00	18.00	0.00	0.00	0.40			
5	B	644874.61	707440.99	8.00	63.00	0.00	0.00	0.40			
6	B	644846.02	707463.28	8.00	56.00	0.00	0.00	0.40			
7	A	644893.53	707441.68	8.00	299.00	0.00	0.00	0.40			
Twin 2-	C	644881.63	707408.24	8.00	198.00	5.00	0.00	0.40			
9	E	644901.01	707359.88	6.00	244.00	0.00	0.00	0.40			
Twin 1-	C	644907.24	707382.24	8.00	234.00	5.00	0.00	0.40			
11	E	644914.96	707358.66	6.00	329.00	5.00	0.00	0.40			
13	C	644853.33	707403.40	8.00	312.00	5.00	0.00	0.40			
14	E	644901.70	707425.22	6.00	321.00	0.00	0.00	0.40			
15	E	644917.34	707414.88	6.00	145.00	0.00	0.00	0.40			
16	C	644860.61	707369.83	8.00	56.00	5.00	0.00	0.40			
16	D	644883.96	707499.14	8.00	235.00	0.00	0.00	0.40			
17	D	644875.21	707489.56	8.00	56.00	0.00	0.00	0.40			
18	D	644901.23	707491.20	8.00	232.00	0.00	0.00	0.40			
19	D	644885.55	707478.66	8.00	56.00	0.00	0.00	0.40			
20	D	644915.10	707473.92	8.00	239.00	0.00	0.00	0.40			
21	D	644905.57	707462.36	8.00	56.00	0.00	0.00	0.40			
22	D	644921.68	707444.00	8.00	231.00	0.00	0.00	0.40			
23	D	644916.72	707436.09	8.00	57.00	0.00	0.00	0.40			
24	D	644901.17	707450.68	8.00	325.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1 Car Park

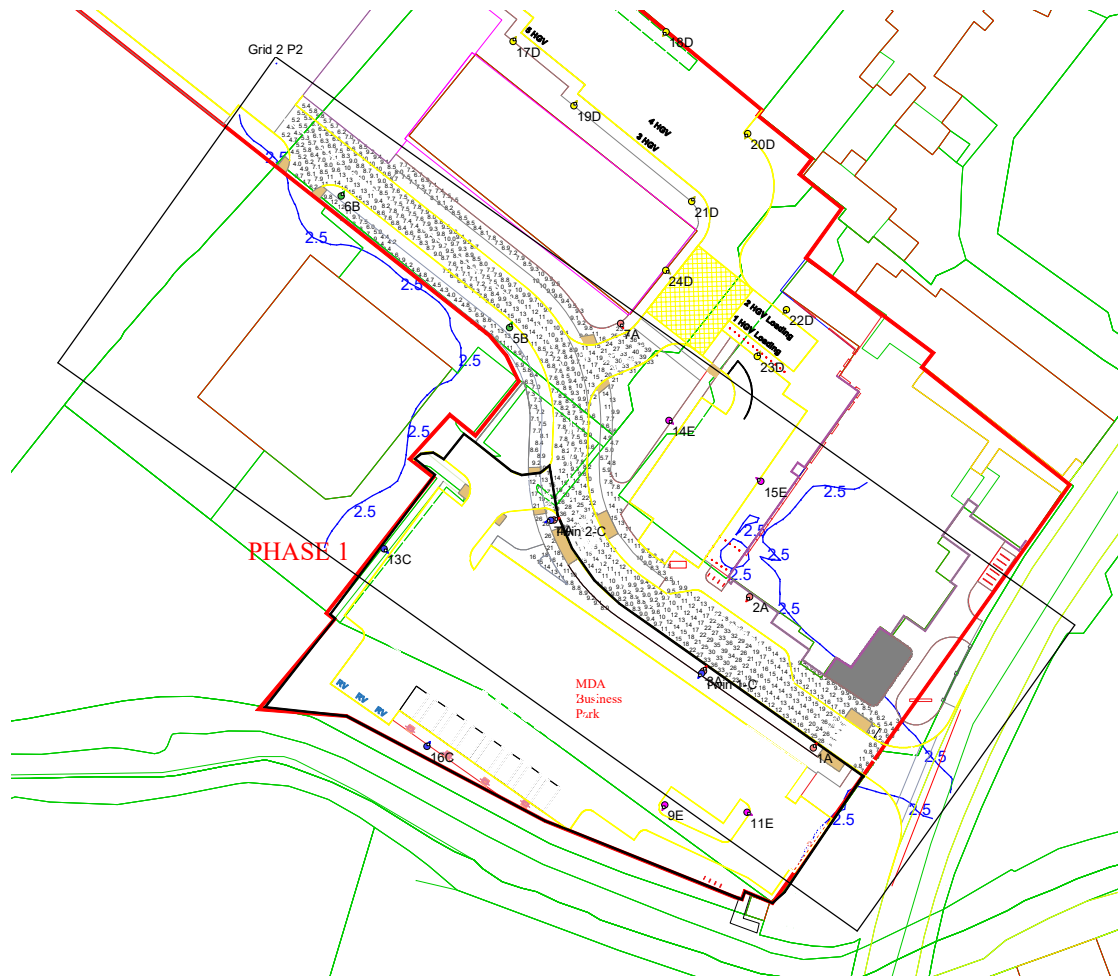


Results

Eav	10.00
Emin	2.53
Emax	32.74
Emin/Emax	0.08
Emin/Eav	0.25

Horizontal Illuminance (lux)

Grid 2 P2

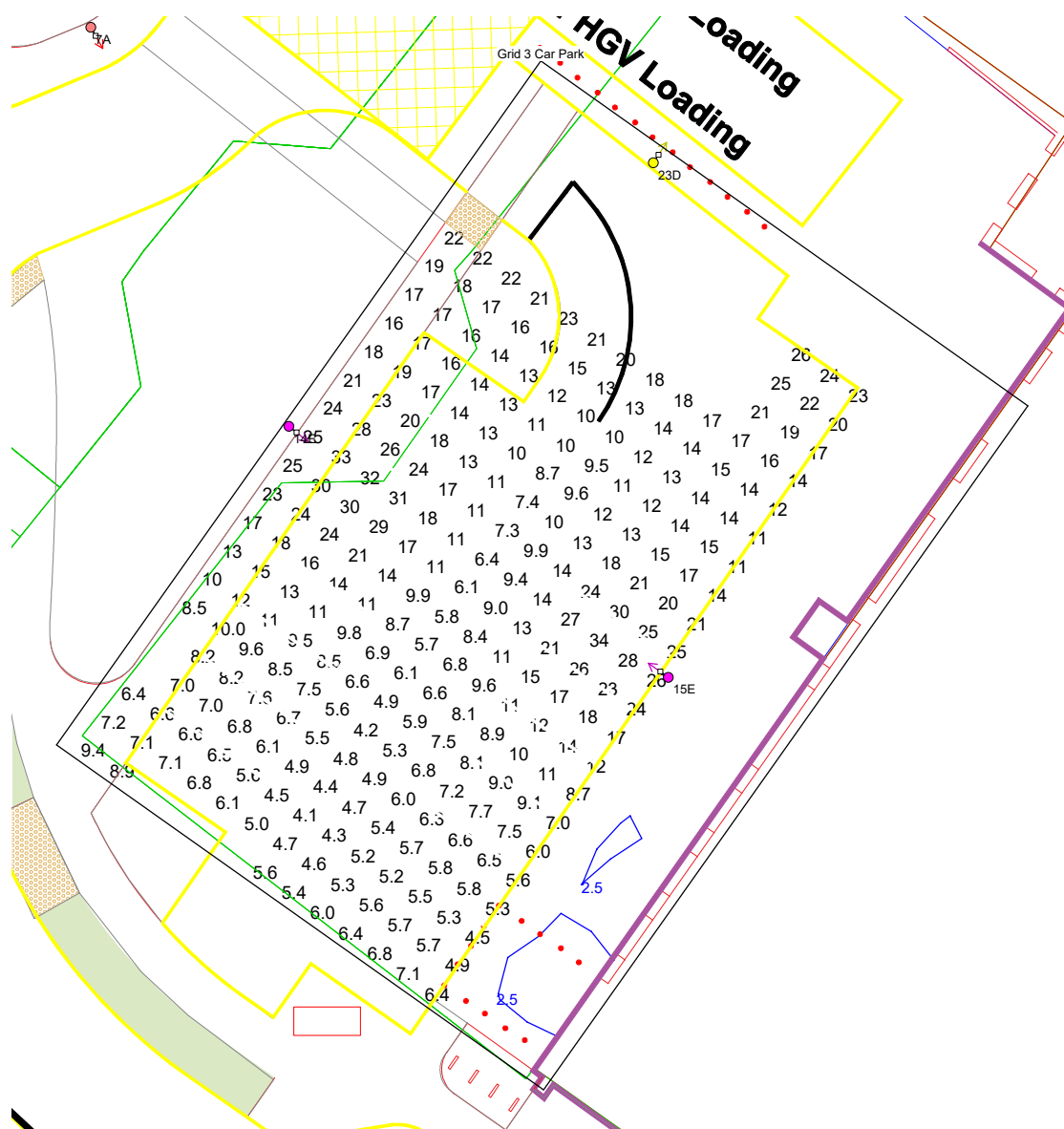


Results

Eav	12.66
Emin	3.33
Emax	40.14
Emin/Emax	0.08
Emin/Eav	0.26

Horizontal Illuminance (lux)

Grid 3 Car Park

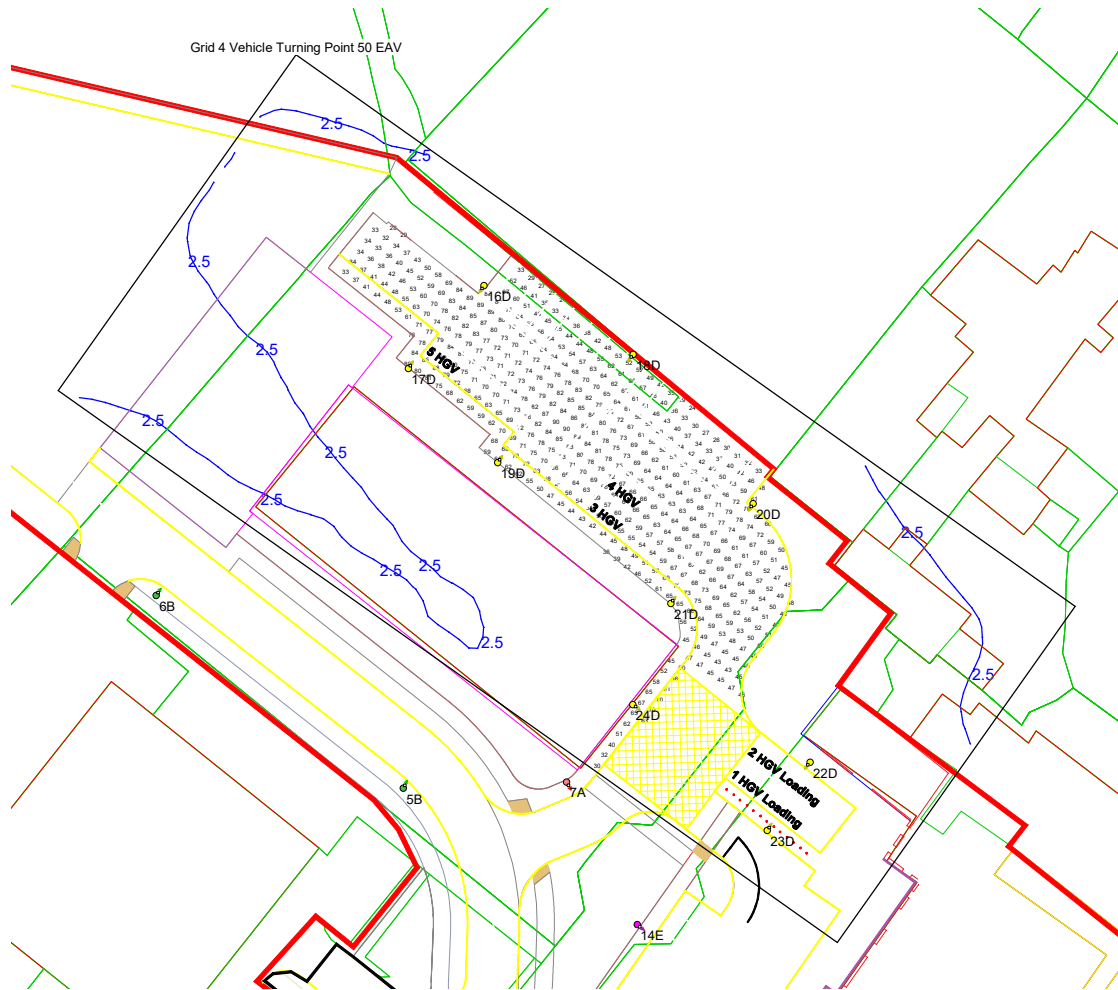


Results

Eav	13.05
Emin	4.11
Emax	34.00
Emin/Emax	0.12
Emin/Eav	0.31

Horizontal Illuminance (lux)

Grid 4 Vehicle Turning Point 50 EAV

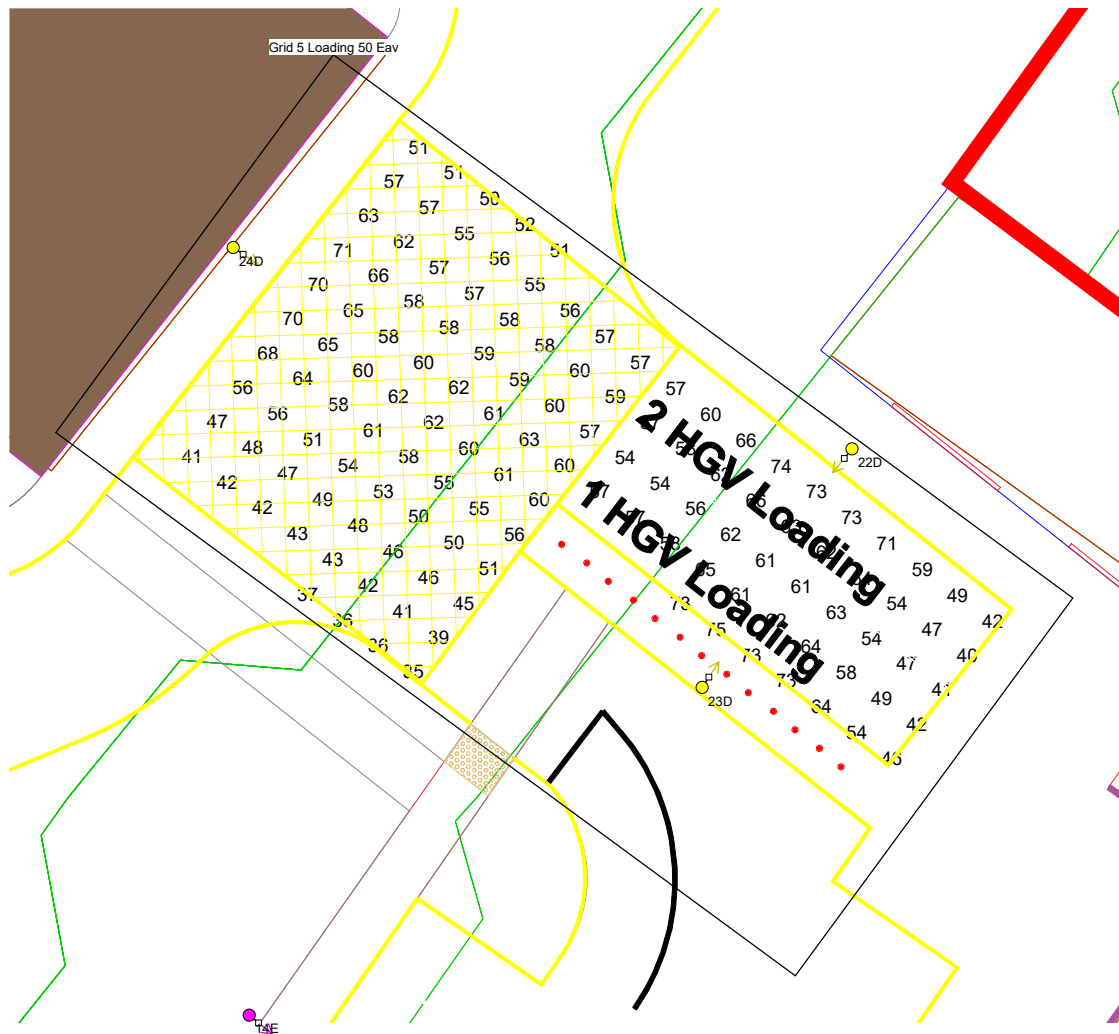


Results

Eav	60.44
Emin	24.06
Emax	89.77
Emin/Emax	0.27
Emin/Eav	0.40

Horizontal Illuminance (lux)

Grid 5 Loading 50 Eav

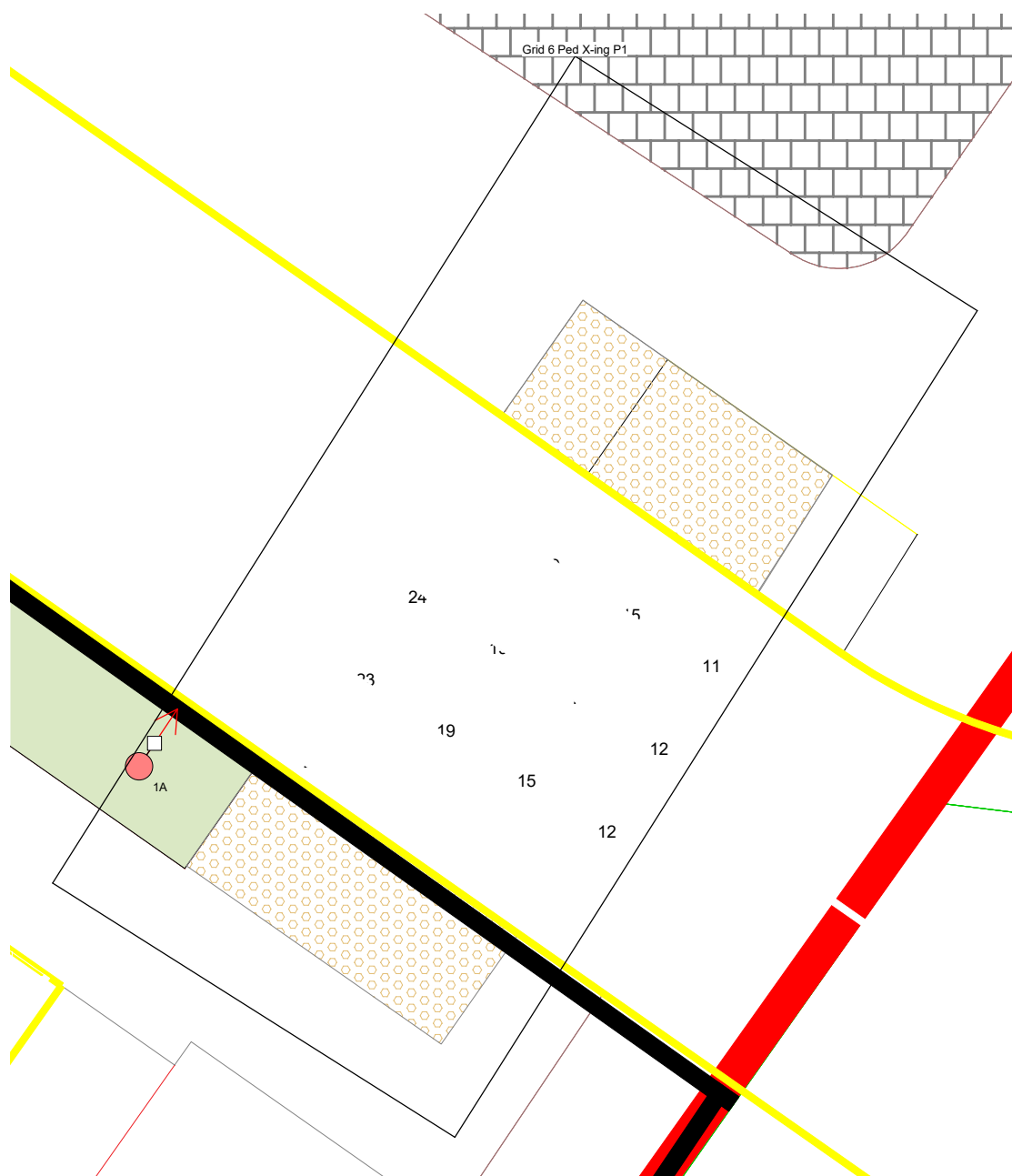


Results

Eav	56.24
Emin	34.86
Emax	74.69
Emin/Emax	0.47
Emin/Eav	0.62

Horizontal Illuminance (lux)

Grid 6 Ped X-ing P1



Results

Eav	17.86
Emin	10.78
Emax	24.83
Emin/Emax	0.43
Emin/Eav	0.60