

DATE: 30 March 2021
DESIGNER: Julian Joseph
PROJECT No: 100214-JLD-S278-DC-0002A
PROJECT NAME: S278 Aldi, Gresofrd Road, LLAY



Please also refer to document
100214-JLD-S278-DC-0001 for design criteria

Required design classification illuminance values can be found at
the top of each grid page.

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	Straight Mile Footway - P4...	752.68	206.39	113.34	25.84	0.91	1.08
2	New Footway - P4 Eav: 5.00...	753.78	199.47	123.32	14.74	1.49	1.47
3	Gresford Road - P2 Eav: 10...	741.62	183.41	182.31	25.17	1.49	1.48

Luminaires

Luminaire A Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5296 Integrated lenses 8 OSLO N SQUARE GIANT@400mA
Lamp(s)	8 OSLO N SQUARE GIANT@400mA NW 74 0 230V
LampFlux(klm)/Colour	1.45 NW 4000K/70
File Name	AXIA 3.1 5296 8 OSLO N SQUARE GIANT 40 0mA NW 740 10.9W 436952 Integrated lens...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1243.8, 38.3, 0.0
No. in Project	4

Luminaire B Data



Supplier	Urbis Schreder
Type	AXIA 3.2 5270 Integrated lenses 24 OSLO N SQUARE GIANT@500mA
Lamp(s)	24 OSLO N SQUARE GIANT@500mA NW 74 0 230V
LampFlux(klm)/Colour	5.40 NW 4000K/70
File Name	AXIA 3.2 5270 24 OSLO N SQUARE GIANT 5 00mA NW 740 37.2W 430102 Integrated len...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1128.1, 76.8, 0.0
No. in Project	5

Luminaire E Data



Supplier	Urbis Schreder
Type	AXIA 2.2 5221 Integrated lenses 48 NVSL21 9CT@530mA NW 740 2
Lamp(s)	48 NVSL219CT@530mA NW 740 230V
LampFlux(klm)/Colour	10.93 NW 4000K/70
File Name	AXIA 2.2 5221 48 NVSL219CT 530mA NW 74 0 79W 397662 Integrated lenses 230V TF.Idt
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	496.0, 96.2, 0.0
No. in Project	5

Layout

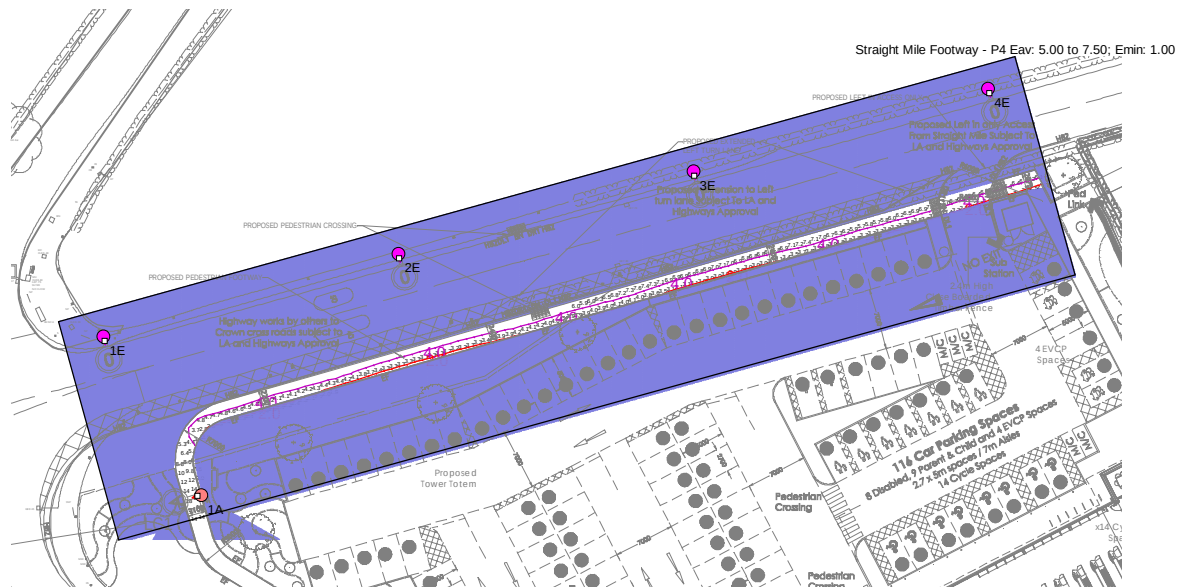
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	E	750.87	229.61	8.00	285.64	0.00	0.00	0.50			
2	E	784.58	239.04	8.00	285.64	0.00	0.00	0.50			
3	E	818.28	248.48	8.00	285.64	0.00	0.00	0.50			
4	E	851.98	257.92	8.00	285.64	0.00	0.00	0.50			
5	E	753.40	198.25	8.00	241.00	0.00	0.00	0.50			
5	B	781.94	182.03	8.00	241.00	0.00	0.00	0.50			
6	B	805.86	156.96	8.00	58.00	0.00	0.00	0.50			
1	A	762.05	211.50	6.00	196.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
2	A	772.72	199.17	6.00	237.00	0.00	0.00	0.40			
3	A	809.76	178.90	6.00	237.00	0.00	0.00	0.40			
4	A	846.06	158.26	6.00	242.00	0.00	0.00	0.40			
7	B	839.05	147.33	8.00	232.00	0.00	0.00	0.50			
9	B	860.25	121.13	8.00	51.00	0.00	0.00	0.50			
8	B	856.01	143.61	8.00	326.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Straight Mile Footway - P4 Eav: 5.00 to 7.50; Emin: 1.00

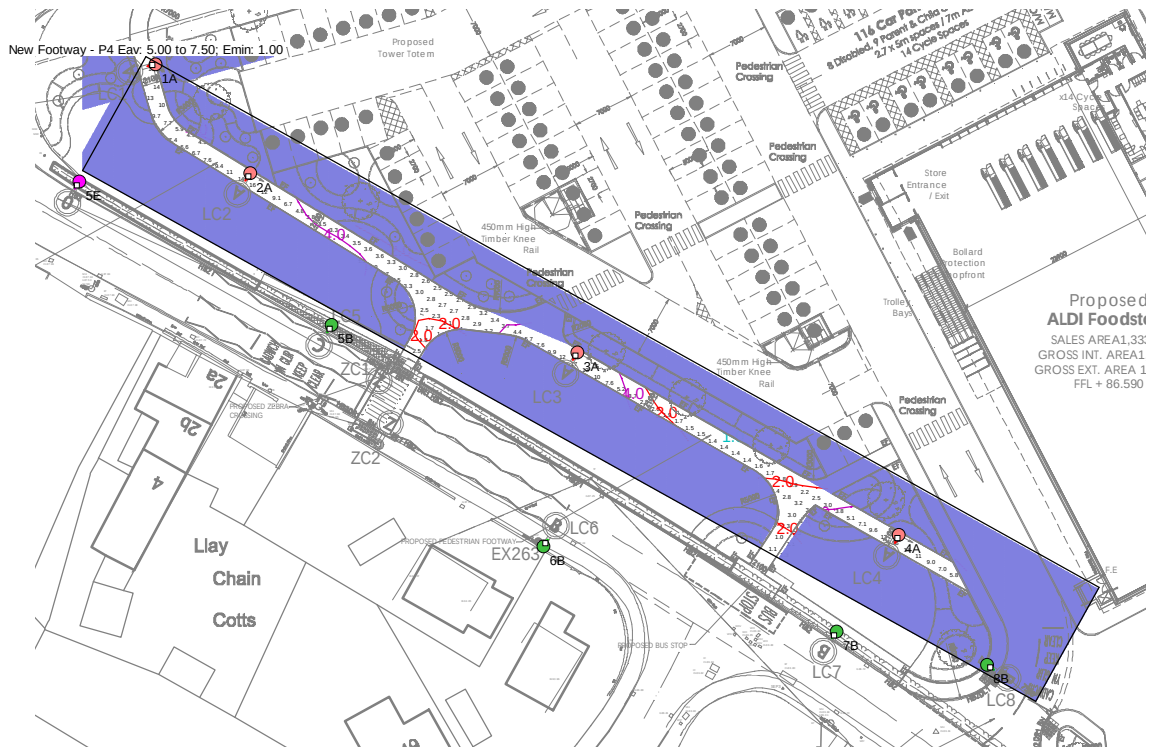


Results

Eav	5.09
Emin	1.94
Emax	18.23
Emin/Emax	0.11
Emin/Eav	0.38

Horizontal Illuminance (lux)

New Footway - P4 Eav: 5.00 to 7.50; Emin: 1.00

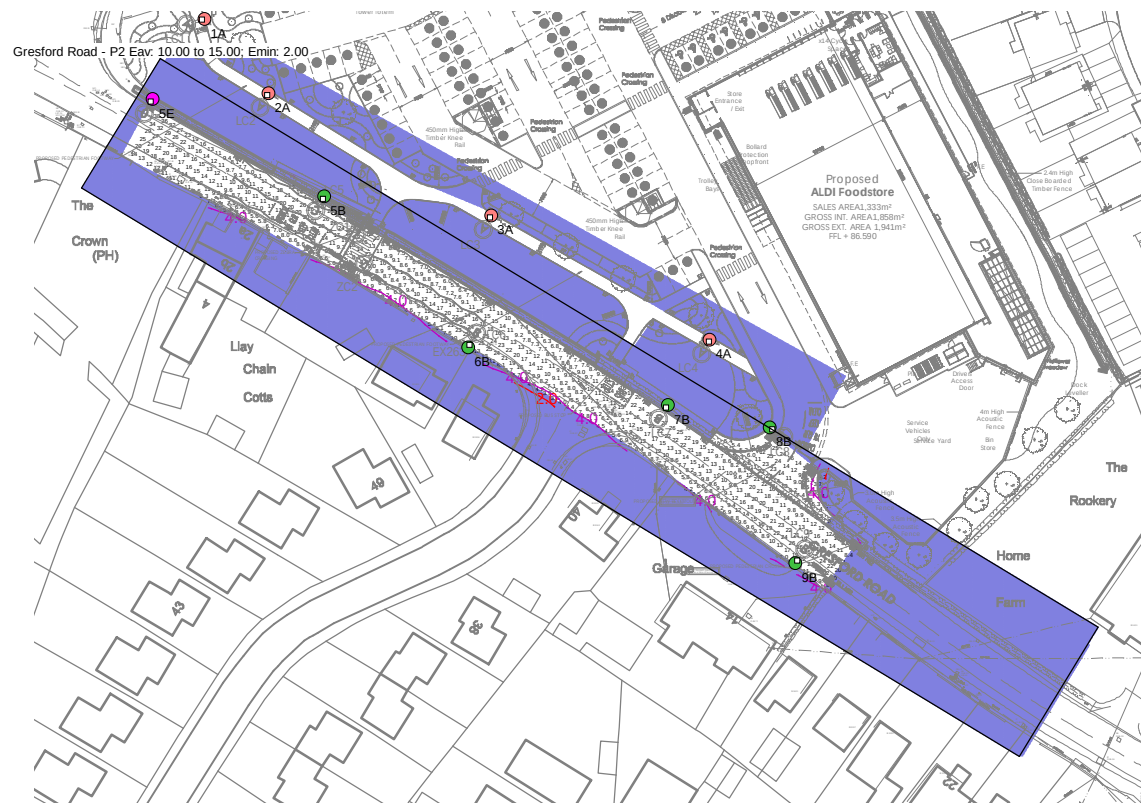


Results

Eav	5.24
Emin	1.02
Emax	17.64
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Gresford Road - P2 Eav: 10.00 to 15.00; Emin: 2.00



Results

Eav	12.79
Emin	3.18
Emax	37.83
Emin/Emax	0.08
Emin/Eav	0.25