

DATE: 15 January 2025
DESIGNER: M Paolini
PROJECT No: P4026-B
PROJECT NAME: Hilltop Farm Earl Shilton

**LIGHTING
REALITY**

Designed to BS489 2020
Assessed as environmental Zone E2
Road 30MPH or less
Quiet area
P5 selected

Traffic calming
P4 selected

Outdoor Lighting Report

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	446752.26	298251.07	130.36	129.90	1.50	1.49
2	Grid 2	446823.55	298266.05	40.52	85.11	1.45	1.49
3	Grid 3	446782.63	298253.59	43.45	85.89	1.50	1.48
4	Grid 4	446758.56	298335.28	92.31	17.12	1.49	1.43
5	Grid 5	446781.92	298350.66	1.01	4.85	0.04	0.19
6	Grid 6	446767.11	298329.99	4.79	1.02	0.19	0.04
7	Grid 7	446778.11	298282.06	4.80	1.03	0.19	0.04
8	Grid 8	446819.77	298273.30	4.79	1.06	0.19	0.04
9	Grid 9	446827.73	298292.75	4.83	1.00	0.19	0.04

Luminaires

Luminaire A Data

Supplier	ASD Lighting
Type	HWD2-#3K16 700-M1-CLO Gen 5
Lamp(s)	LED 3000K
LampFlux(klm)/Colour	3.62 3000/72
File Name	HWD2-#3K16 700-M1-CLO (34W).ldt
Maintenance Factor	0.86
Imax70,80,90(cd/klm)	646.8, 131.8, 1.0
No. in Project	14

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	A	446834.32	298360.98	6.00	90.00	0.00	0.00	0.20	40%			
2	A	446806.16	298354.11	6.00	101.00	0.00	0.00	0.20	40%			
3	A	446784.46	298349.56	6.00	97.00	0.00	0.00	0.20	40%			
4	A	446764.99	298343.30	6.00	339.00	0.00	0.00	0.20	40%			
5	A	446765.24	298329.44	6.00	13.00	0.00	0.00	0.20	40%			
6	A	446776.65	298280.30	6.00	16.00	0.00	0.00	0.20	40%			
7	A	446771.13	298304.73	6.00	18.00	0.00	0.00	0.20	40%			
9	A	446787.89	298263.36	6.00	62.00	0.00	0.00	0.20	40%			
10	A	446818.76	298266.10	6.00	104.00	0.00	0.00	0.20	40%			
11	A	446840.29	298272.81	6.00	107.00	0.00	0.00	0.20	40%			
12	A	446834.00	298295.10	6.00	192.00	0.00	0.00	0.20	40%			
13	A	446827.68	298319.09	6.00	193.00	0.00	0.00	0.20	40%			

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Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Dimmed to	Target X	Target Y	Target Z
14	A	446832.77	298338.21	6.00	288.00	0.00	0.00	0.20	40%			
15	A	446814.74	298343.00	6.00	13.00	0.00	0.00	0.20	40%			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	4.45
Emin	0.89
Emax	15.17
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 2

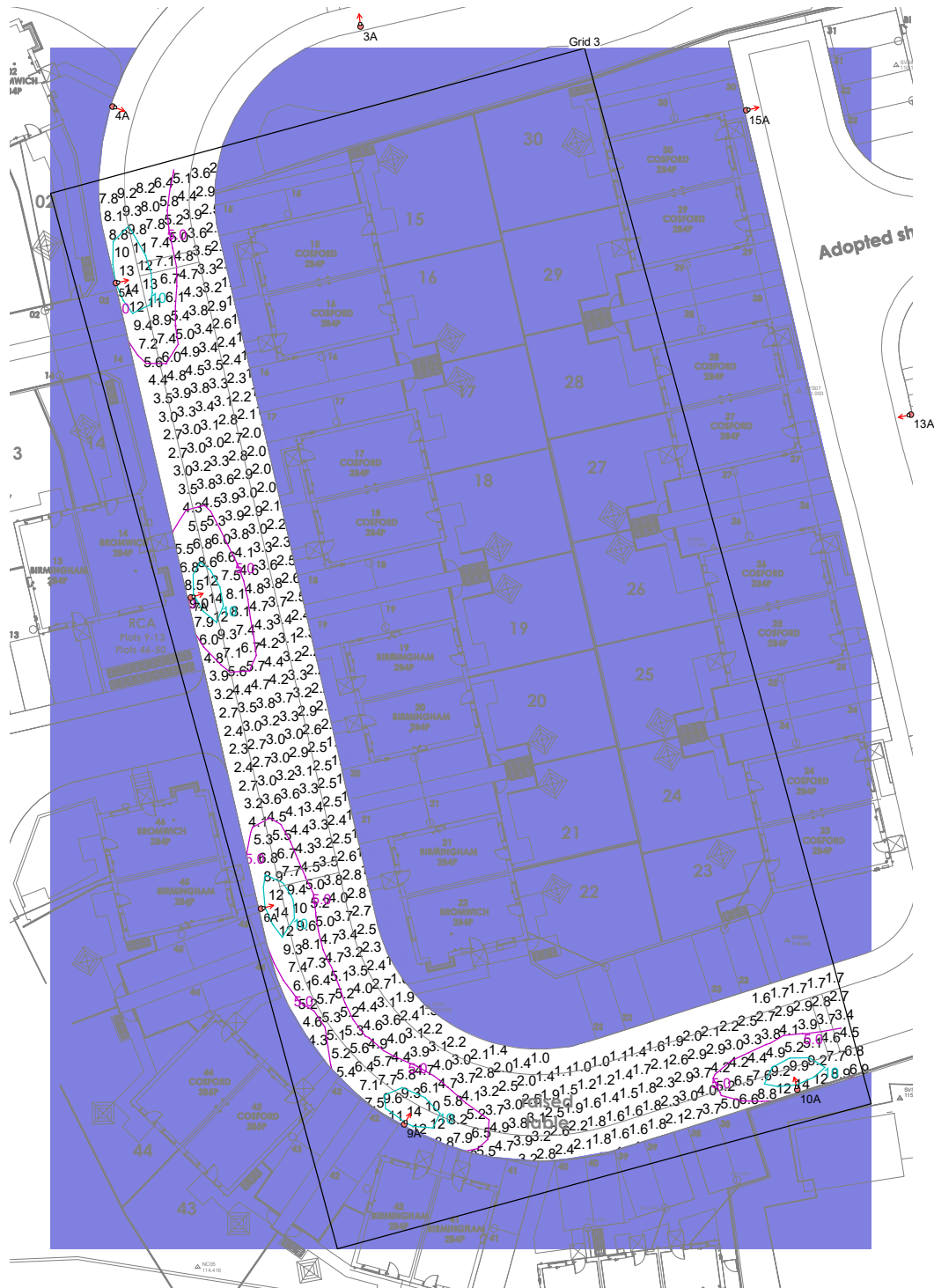


Results

Eav	4.45
Emin	0.89
Emax	15.17
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 3

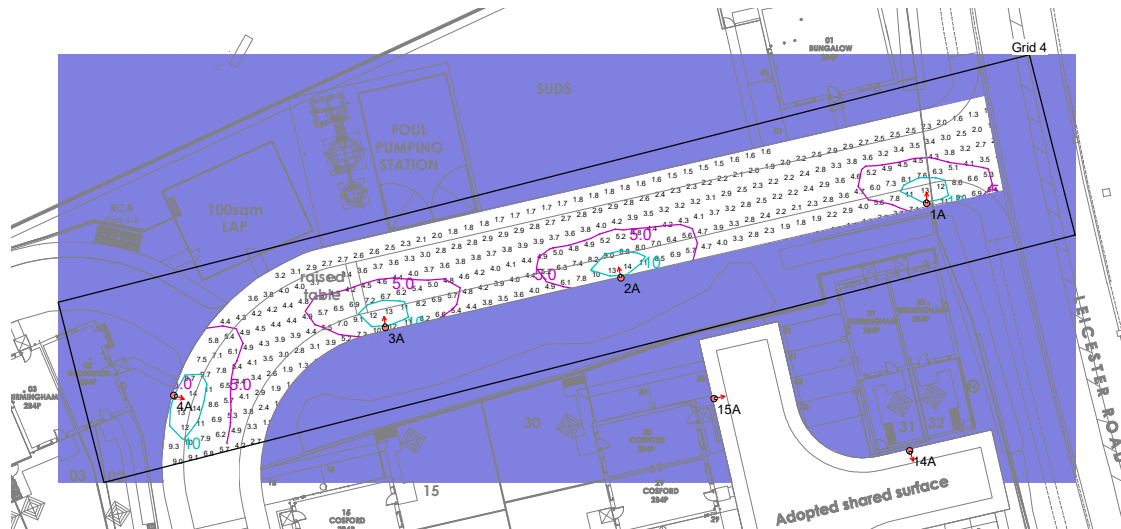


Results

Eav	4.45
Emin	0.89
Emax	15.17
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 4

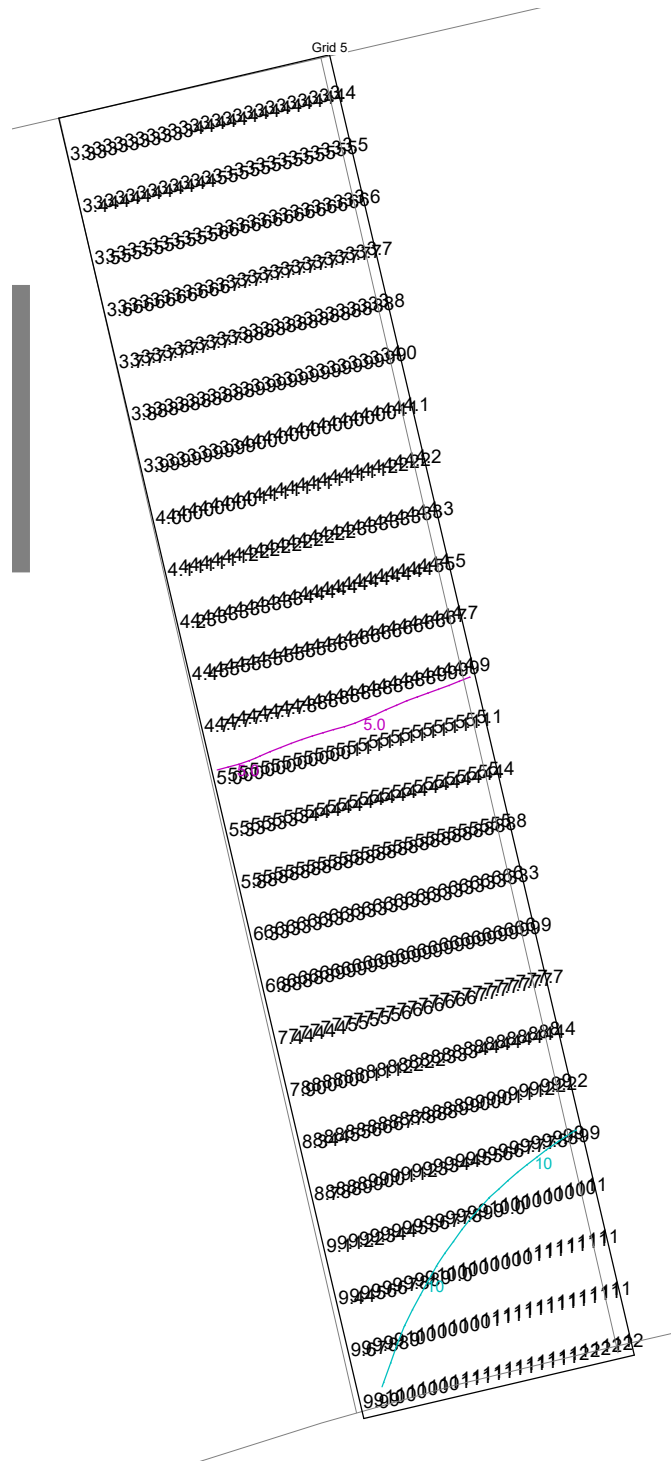


Results

Eav	4.45
Emin	0.89
Emax	15.17
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 5

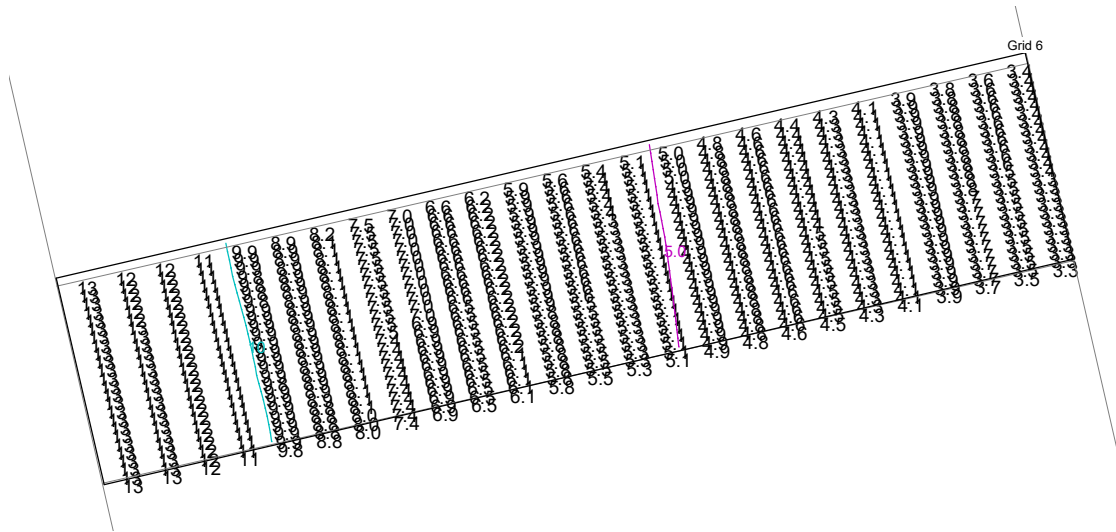


Results

Eav	4.45
Emin	0.89
Emax	15.17
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 6

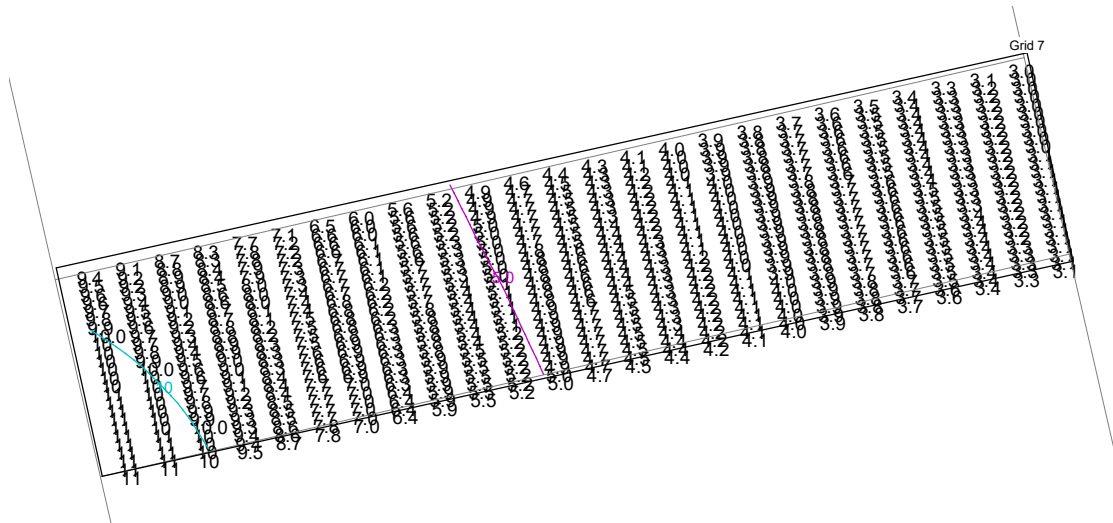


Results

Eav	4.45
Emin	0.89
E _{max}	15.17
E _{min} /E _{max}	0.06
E _{min} /E _{av}	0.20

Horizontal Illuminance (lux)

Grid 7

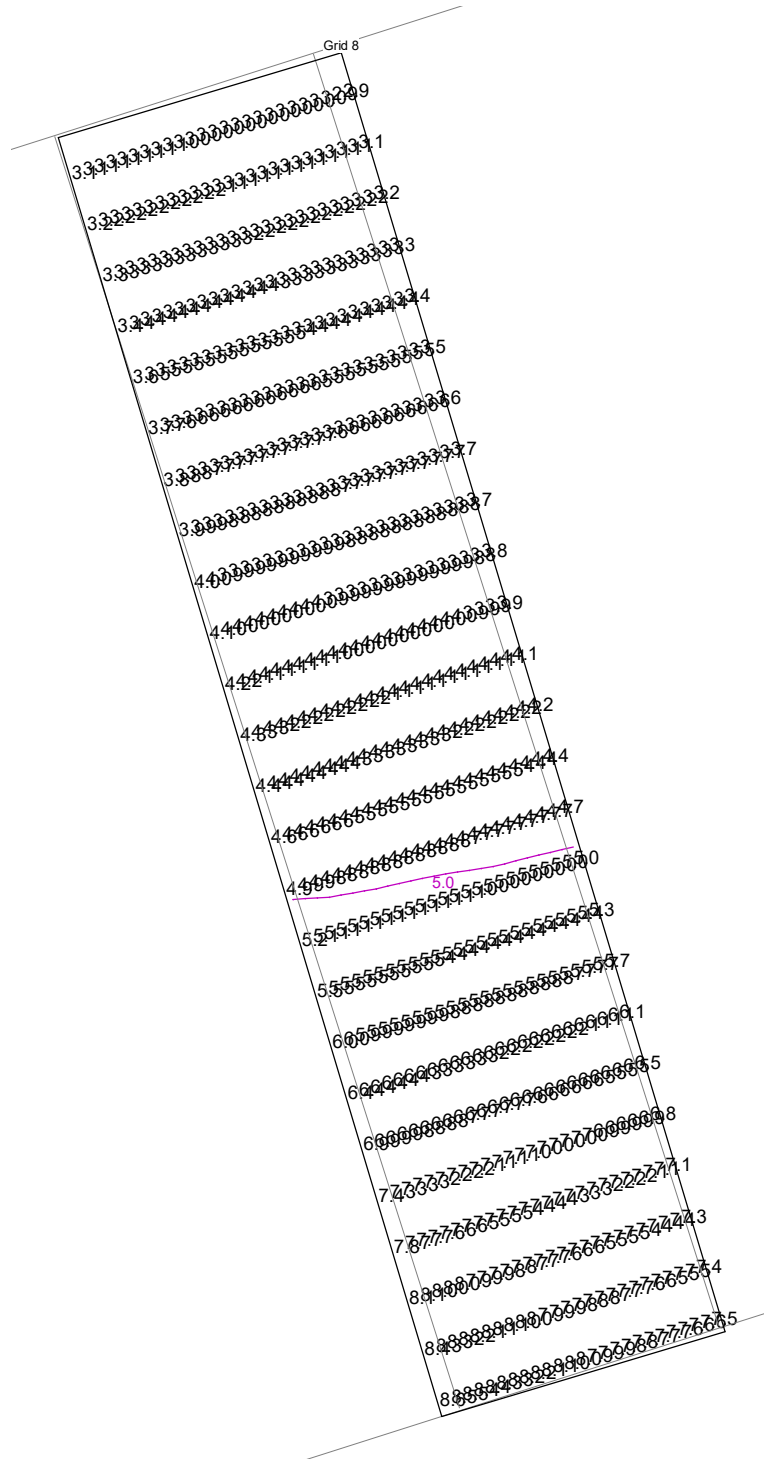


Results

Eav	4.45
Emin	0.89
Emax	15.17
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 8

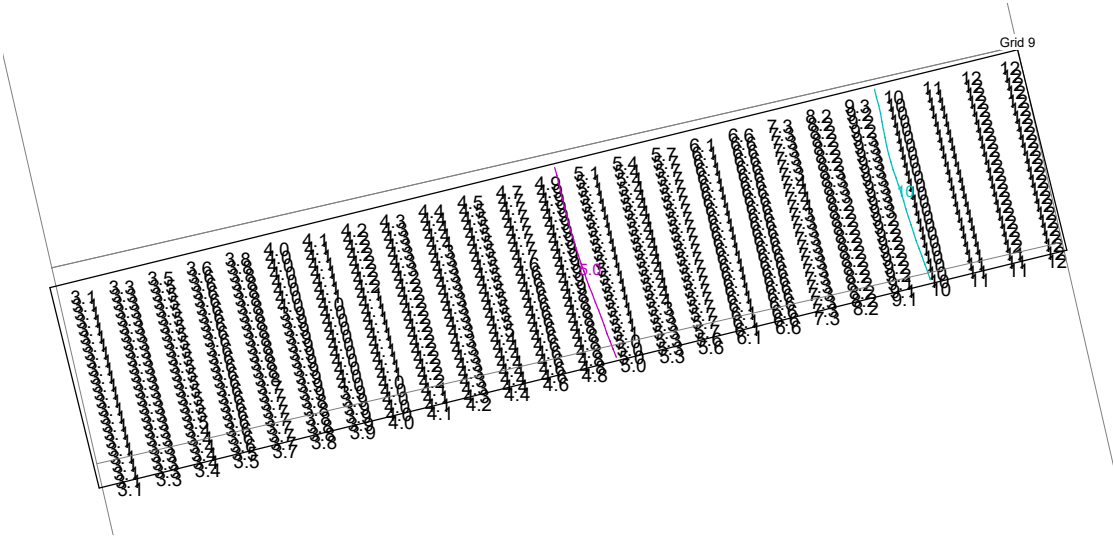


Results

Eav	4.45
Emin	0.89
Emax	15.17
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 9



Results

Eav	4.45
Emin	0.89
Emax	15.17
Emin/Emax	0.06
Emin/Eav	0.20