

DATE: 13/06/2024
DESIGNER: James Duffin BA (Hons) IEng MILP
PROJECT No: EVO20024963-AC-001-B
PROJECT NAME: Lower Acre Private Footpaths & Parking Areas

ENERVEO

Lower Acre Private Footpaths & Parking Areas
Parcel 1.1 North

Footpaths Lighting Class - P5
Car Parks - Small Carpark (5 lux, 25% Uo)

Lantern - Urbis Schreder Axia 3.1
Colour Temperature - 2700K
Maintenance Factor - 0.85

Outdoor Lighting Report

PREPARED BY: James Duffin BA (Hons) IEng MILP
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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	Grid 1 - Parking Area Plot...	449011.84	116408.32	48.00	18.00	1.50	1.50
2	Grid 2 - Vertical Plots 27...	449052.56	116392.91	17.74	5.00	1.48	1.25
3	Grid 3 - Vertical Plots 27...	449035.17	116400.43	17.70	5.00	1.47	1.25
4	Grid 4 - Vertical Plot 277	449012.06	116410.19	11.11	5.00	1.39	1.25
5	Grid 5 - Footpath 277-279 ...	448997.81	116428.91	30.00	4.00	1.50	0.44
6	Grid 6 - Vertical Plots 27...	449016.38	116420.34	17.57	5.00	1.46	1.25
7	Grid 7 - Parking Area Plot...	448983.10	116398.76	33.00	24.00	1.50	1.50
8	Grid 8 - Parking Area Plot...	448970.01	116361.90	48.00	45.00	1.50	1.50
9	Grid 9 - Footpath - P5	448969.83	116351.11	24.00	6.00	1.50	0.67
10	Grid 10 - Parking Plot 262...	448986.81	116339.65	43.47	17.82	1.50	1.49
11	Grid 11 - Parking Area Plo...	448967.47	116296.74	42.00	51.00	1.50	1.50
12	Grid 12 - Footpath - P5	449070.90	116396.66	87.00	6.00	1.50	0.50
13	Grid 13 - Car park plots 4...	449087.91	116330.80	24.00	48.00	1.50	1.50
14	Grid 14 - Car park plots 6...	448998.80	116195.27	24.00	21.00	0.96	0.84
15	Grid 15 - Vertical Plot 28...	448987.42	116384.80	9.51	5.00	1.36	1.25
16	Grid 16 - Vertical Plot 28...	448993.75	116374.21	9.66	5.00	1.38	1.25
17	Grid 17 - Vertical Plot 28...	448982.27	116344.73	9.71	5.00	1.39	1.25
18	Grid 18 - Vertical Plot 13...	449120.98	116376.70	49.23	5.00	1.49	1.25
19	Grid 19 - Vertical Plots 1...	449144.94	116366.92	12.07	5.00	1.34	1.25
20	Grid 20 - Vertical Plot 26...	449000.92	116329.02	7.21	5.00	1.44	1.25

Luminares

Luminaire A Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5267 Integrated lenses Rear louvers 16 OSLO SQUARE
Lamp(s)	16 OSLO SQUARE GIANT@480mA WW 727 230V 01-37-041
LampFlux(klm)/Colour	3.45 WW 2700K/70
File Name	AXIA 3.1 5267 16 OSLO SQUARE GIANT 480mA WW 727 25.5W 457672 Integrated ...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	812.8, 110.7, 0.0
No. in Project	18

Luminaire B Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5296 Integrated lenses Rear louvers 8 OSLO SQUARE G
Lamp(s)	8 OSLO SQUARE GIANT@300mA WW 727 230V 01-37-041
LampFlux(klm)/Colour	1.13 WW 2700K/70
File Name	AXIA 3.1 5296 8 OSLO SQUARE GIANT 300mA WW 727 8.4W 457602 Integrated ...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	893.6, 19.6, 0.0
No. in Project	20

Luminaire C Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5295 Integrated lenses Rear louvers 8 OSLO SQUARE G
Lamp(s)	8 OSLO SQUARE GIANT@300mA WW 727 230V 01-37-041
LampFlux(klm)/Colour	1.13 WW 2700K/70
File Name	AXIA 3.1 5295 8 OSLO SQUARE GIANT 300mA WW 727 8.4W 457592 Integrated ...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	567.7, 8.0, 0.0
No. in Project	9

Luminaire D Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5267 Integrated lenses Rear louvers 8 OSLO SQUARE G
Lamp(s)	8 OSLO SQUARE GIANT@400mA WW 727 230V 01-37-041
LampFlux(klm)/Colour	1.47 WW 2700K/70
File Name	AXIA 3.1 5267 8 OSLO SQUARE GIANT 400mA WW 727 11W 457672 Integrated ...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	812.8, 110.7, 0.0
No. in Project	20

Luminaires**Luminaire E Data**

Supplier	Urbis Schreder
Type	AXIA 3.1 5267 Integrated lenses Rear louvers 8 OSLON SQUARE G
Lamp(s)	8 OSLON SQUARE GIANT@600mA WW 727 230V 01-37-041
LampFlux(klm)/Colour	2.09 WW 2700K/70
File Name	AXIA 3.1 5267 8 OSLON SQUARE GIANT 600mA WW 727 16.6W 457672 Integrated...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	812.8, 110.7, 0.0
No. in Project	6

Luminaire F Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5267 Integrated lenses 8 OSLON SQUARE GIANT@850mA W
Lamp(s)	8 OSLON SQUARE GIANT@850mA WW 727 230V 00-53-394
LampFlux(klm)/Colour	2.76 WW 2700K/70
File Name	AXIA 3.1 5267 8 OSLON SQUARE GIANT 850mA WW 727 22.8W 429102 Integrated...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	862.5, 127.0, 0.0
No. in Project	1

Luminaire G Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5267 Integrated lenses 8 OSLON SQUARE GIANT@600mA W
Lamp(s)	8 OSLON SQUARE GIANT@600mA WW 727 230V 01-37-041
LampFlux(klm)/Colour	2.09 WW 2700K/70
File Name	AXIA 3.1 5267 8 OSLON SQUARE GIANT 600mA WW 727 16.6W 429102 Integrated...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	862.5, 127.0, 0.0
No. in Project	2

Luminaire X Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5295 Integrated lenses Rear louvers 8 OSLON SQUARE G
Lamp(s)	8 OSLON SQUARE GIANT@850mA WW 730 230V 00-53-394
LampFlux(klm)/Colour	1.94 WW 3000K/70
File Name	AXIA 3.1 5295 8 OSLON SQUARE GIANT 850mA WW 730 22.8W 457592 Integrated...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	842.8, 11.9, 0.0
No. in Project	15

Luminaire Y Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5295 Integrated lenses Rear louvers 16 OSLON SQUARE
Lamp(s)	16 OSLON SQUARE GIANT@300mA WW 730 230V 01-37-041
LampFlux(klm)/Colour	1.59 WW 3000K/70
File Name	AXIA 3.1 5295 16 OSLON SQUARE GIANT 300mA WW 730 16.1W 457592 Integrat...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	842.8, 11.9, 0.0
No. in Project	21

Luminaire Z Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5295 Integrated lenses Rear louvers 16 OSLON SQUARE
Lamp(s)	16 OSLON SQUARE GIANT@200mA WW 730 230V 01-37-041
LampFlux(klm)/Colour	1.09 WW 3000K/70
File Name	AXIA 3.1 5295 16 OSLON SQUARE GIANT 200mA WW 730 11.2W 457592 Integrat...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	842.8, 11.9, 0.0
No. in Project	13

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
CP1	E	448830.76	116460.16	6.00	70.00	0.00	0.00	0.40			
CP10	E	448907.99	116388.48	6.00	248.00	0.00	0.00	0.40			
CP11	E	448900.45	116372.70	6.00	66.00	0.00	0.00	0.40			
CP12	G	448968.66	116416.27	6.00	247.00	0.00	0.00	0.40			
CP13	G	448958.33	116420.71	6.00	247.00	0.00	0.00	0.40			
CP14	A	449003.00	116404.34	6.00	245.00	0.00	0.00	0.40			
CP15	C	449014.53	116397.25	6.00	158.00	0.00	0.00	0.40			
CP16	A	449031.48	116416.25	6.00	246.00	0.00	0.00	0.40			
CP17	C	448984.89	116378.49	6.00	66.00	0.00	0.00	0.40			
CP18	A	449052.78	116407.92	6.00	246.00	0.00	0.00	0.40			
CP19	C	449001.67	116371.15	6.00	66.00	0.00	0.00	0.40			
CP20	C	449007.12	116382.75	6.00	340.00	0.00	0.00	0.40			
CP21	A	449024.83	116377.08	6.00	158.00	0.00	0.00	0.40			
CP2	E	448824.49	116476.60	6.00	248.00	0.00	0.00	0.40			
CP22	D	448999.41	116365.36	6.00	337.00	0.00	0.00	0.40			
CP23	A	449014.53	116353.70	6.00	159.00	0.00	0.00	0.40			
CP24	A	449022.59	116341.67	6.00	247.00	0.00	0.00	0.40			
CP25	C	449005.38	116335.00	6.00	68.00	0.00	0.00	0.40			
CP26	D	448996.61	116287.94	6.00	63.00	0.00	0.00	0.40			
CP27	D	449001.31	116303.35	6.00	242.00	0.00	0.00	0.40			
CP28	A	448983.64	116308.96	6.00	22.00	0.00	0.00	0.40			
CP29	D	448997.54	116314.04	6.00	156.00	0.00	0.00	0.40			
CP30	D	448983.49	116326.03	6.00	340.00	0.00	0.00	0.40			
CP31	B	449003.03	116326.90	6.00	158.00	0.00	0.00	0.40			
CP3	E	448818.94	116459.57	6.00	65.00	0.00	0.00	0.40			
CP32	A	449124.56	116352.96	6.00	150.00	0.00	0.00	0.40			
CP33	D	449101.53	116345.97	6.00	324.00	0.00	0.00	0.40			
CP34	A	449109.62	116328.00	6.00	149.00	0.00	0.00	0.40			
CP35	A	449021.19	116189.92	6.00	152.00	0.00	0.00	0.40			
CP36	A	449009.35	116206.00	6.00	330.00	0.00	0.00	0.40			
CP37	D	448934.94	116115.73	6.00	287.00	0.00	0.00	0.40			
CP38	E	448949.73	116110.40	6.00	197.00	0.00	0.00	0.40			
CP39	D	448938.72	116099.35	6.00	107.00	0.00	0.00	0.40			
CP40	D	448920.63	116088.74	6.00	107.00	0.00	0.00	0.40			
CP41	D	448908.21	116091.28	6.00	12.00	0.00	0.00	0.40			
CP4	D	448796.65	116475.98	6.00	293.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
CP42	A	448922.77	116107.55	6.00	163.00	0.00	0.00	0.40			
CP43	D	448866.76	116127.48	6.00	0.00	0.00	0.00	0.40			
CP44	D	448878.49	116129.76	6.00	269.00	0.00	0.00	0.40			
CP45	A	448897.23	116114.82	6.00	162.00	0.00	0.00	0.40			
CP46	A	448878.11	116112.22	6.00	341.00	0.00	0.00	0.40			
CP47	A	448893.12	116101.30	6.00	163.00	0.00	0.00	0.40			
CP48	D	448859.85	116094.58	6.00	47.00	0.00	0.00	0.40			
CP49	D	448857.16	116112.03	6.00	0.00	0.00	0.00	0.40			
CP51	A	448863.32	116191.23	6.00	349.00	0.00	0.00	0.40			
CP50	D	448876.13	116112.95	6.00	181.00	0.00	0.00	0.40			
CP52	A	448878.33	116173.56	6.00	169.00	0.00	0.00	0.40			
CP5	D	448807.19	116464.29	6.00	111.00	0.00	0.00	0.40			
CP53	D	448876.13	116164.97	6.00	272.00	0.00	0.00	0.40			
CP54	D	448887.15	116156.51	6.00	185.00	0.00	0.00	0.40			
CP55	D	448858.82	116160.53	6.00	0.00	0.00	0.00	0.40			
CP6	C	448872.96	116425.35	6.00	338.00	0.00	0.00	0.40			
CP7	A	448871.93	116439.15	6.00	338.00	0.00	0.00	0.40			
CP8	F	448924.04	116398.36	6.00	65.00	0.00	0.00	0.40			
CP9	B	448920.57	116376.42	6.00	245.00	0.00	0.00	0.40			
FP1	B	449139.57	116369.81	6.00	66.00	0.00	0.00	0.40			
FP10	B	448901.09	116418.21	6.00	152.00	0.00	0.00	0.40			
FP11	C	448880.37	116398.64	6.00	338.00	0.00	0.00	0.40			
FP12	C	448899.16	116392.74	6.00	161.00	0.00	0.00	0.40			
FP13	B	448880.33	116369.48	6.00	156.00	0.00	0.00	0.40			
FP14	B	448957.81	116245.73	6.00	331.00	0.00	0.00	0.40			
FP15	B	448938.45	116212.11	6.00	332.00	0.00	0.00	0.40			
FP16	B	448919.46	116178.94	6.00	338.00	0.00	0.00	0.40			
FP17	B	448975.60	116247.04	6.00	294.00	0.00	0.00	0.40			
FP18	B	448955.88	116222.29	6.00	151.00	0.00	0.00	0.40			
FP19	B	448937.42	116190.26	6.00	151.00	0.00	0.00	0.40			
FP2	B	449110.94	116381.89	6.00	67.00	0.00	0.00	0.40			
FP20	B	448922.71	116164.12	6.00	344.00	0.00	0.00	0.40			
FP21	B	448978.29	116351.69	6.00	247.00	0.00	0.00	0.40			
FP3	B	449081.51	116394.59	6.00	66.00	0.00	0.00	0.40			
FP4	B	449006.13	116426.01	6.00	67.00	0.00	0.00	0.40			
FP5	B	448972.71	116440.20	6.00	69.00	0.00	0.00	0.40			

Layout Continued

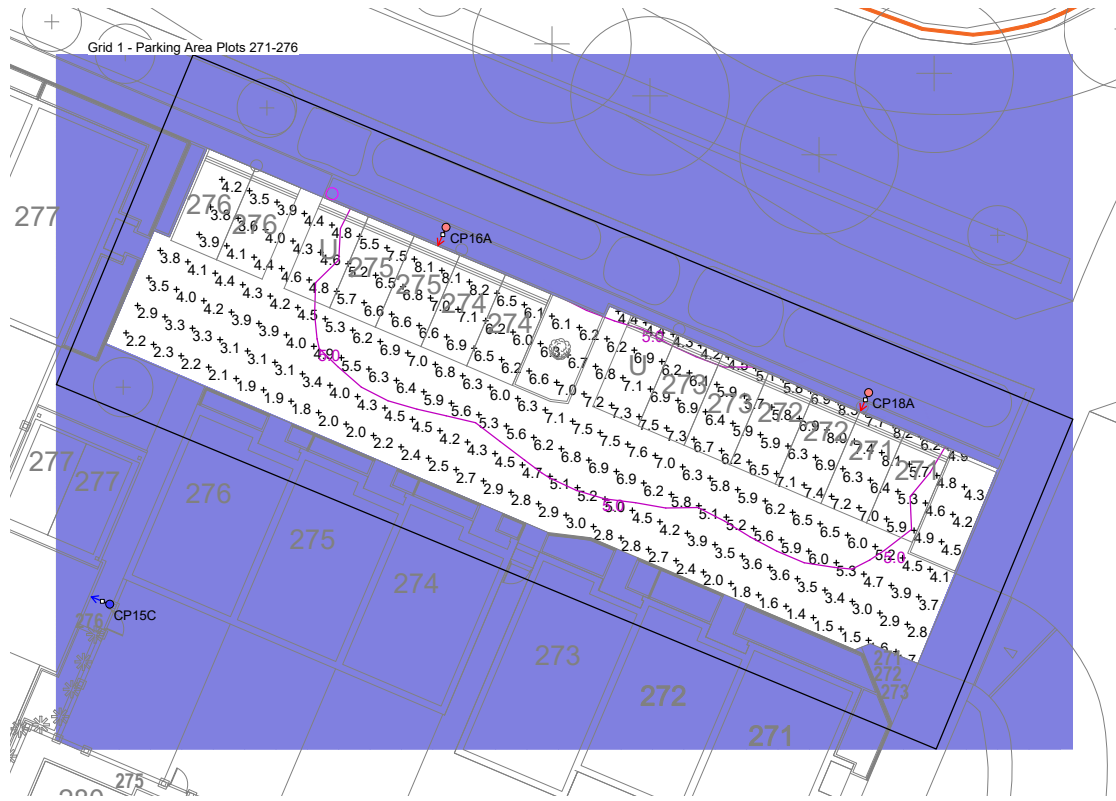
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
FP6	B	448840.42	116488.69	6.00	68.00	0.00	0.00	0.40			
FP7	B	448814.07	116500.20	6.00	67.00	0.00	0.00	0.40			
FP8	B	448794.21	116500.31	6.00	107.00	0.00	0.00	0.40			
FP9	C	448843.96	116444.75	6.00	157.00	0.00	0.00	0.40			
P1-PR1	Y	448931.20	116377.18	6.00	155.00	0.00	0.00	0.40			
P1-PR2	X	448909.15	116336.72	6.00	106.00	0.00	0.00	0.40			
P1-PR3	X	448838.58	116430.26	6.00	194.00	0.00	0.00	0.40			
P1-PR4	Z	448853.41	116415.97	6.00	66.00	0.00	0.00	0.40			
P1-R1	X	448948.59	116272.82	6.00	108.00	0.00	0.00	0.40			
P1-R2	Y	448897.48	116191.75	6.00	147.00	0.00	0.00	0.40			
P1-R3	Y	448937.04	116129.61	6.00	150.00	0.00	0.00	0.40			
P1-R4	Z	448952.11	116132.38	6.00	57.00	0.00	0.00	0.40			
P1-R5	Y	448975.32	116189.04	6.00	241.00	0.00	0.00	0.40			
P1-R6	Z	448993.14	116220.20	6.00	59.00	0.00	0.00	0.40			
P1-R7	Z	449017.11	116272.65	6.00	60.00	0.00	0.00	0.40			
P1-R8	Y	449041.85	116323.25	6.00	60.00	0.00	0.00	0.40			
P1-R9	Y	449065.82	116375.87	6.00	246.00	0.00	0.00	0.40			
P2-PR1	Y	448941.10	116401.05	6.00	155.00	0.00	0.00	0.40			
P2-PR2	X	448875.87	116337.71	6.00	68.00	0.00	0.00	0.40			
P2-PR3	Z	448825.26	116441.78	6.00	106.00	0.00	0.00	0.40			
P2-PR4	Y	448877.17	116413.41	6.00	246.00	0.00	0.00	0.40			
P2-R1	X	448918.33	116264.17	6.00	112.00	0.00	0.00	0.40			
P2-R2	Y	448901.71	116213.99	6.00	326.00	0.00	0.00	0.40			
P2-R3	Y	448923.61	116105.31	6.00	0.00	0.00	0.00	0.40			
P2-R4	Z	448973.79	116127.82	6.00	239.00	0.00	0.00	0.40			
P2-R5	Y	448997.60	116166.95	6.00	59.00	0.00	0.00	0.40			
P2-R6	Z	449012.46	116209.36	6.00	59.00	0.00	0.00	0.40			
P2-R7	X	449048.35	116262.36	6.00	241.00	0.00	0.00	0.40			
P2-R8	Y	449073.71	116312.34	6.00	239.00	0.00	0.00	0.40			
P2-R9	Y	449088.99	116366.03	6.00	244.00	0.00	0.00	0.40			
P3-PR2	Y	448856.52	116357.28	6.00	21.00	0.00	0.00	0.40			
P3-PR3	X	448837.71	116466.89	6.00	339.00	0.00	0.00	0.40			
P3-R1	X	448887.74	116251.12	6.00	328.00	0.00	0.00	0.40			
P3-R2	Y	448921.99	116229.19	6.00	151.00	0.00	0.00	0.40			
P3-R3	Z	448935.31	116087.93	6.00	198.00	0.00	0.00	0.40			
P3-R4	Z	448985.53	116113.21	6.00	60.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
P3-R5	Y	449014.53	116153.94	6.00	63.00	0.00	0.00	0.40			
P3-R6	Z	449026.36	116201.27	6.00	59.00	0.00	0.00	0.40			
P3-R7	X	449067.29	116250.20	6.00	241.00	0.00	0.00	0.40			
P3-R8	X	449098.13	116299.74	6.00	237.00	0.00	0.00	0.40			
P3-R9	X	449103.58	116350.95	6.00	66.00	0.00	0.00	0.40			
P4-PR2	Y	448847.71	116381.40	6.00	21.00	0.00	0.00	0.40			
P4-PR3	Y	448864.27	116480.07	6.00	248.00	0.00	0.00	0.40			
P4-R1	X	448875.85	116227.16	6.00	348.00	0.00	0.00	0.40			
P4-R2	Y	448931.74	116257.83	6.00	189.00	0.00	0.00	0.40			
P4-R6	Z	449049.08	116197.59	6.00	243.00	0.00	0.00	0.40			
P5-PR3	Y	448889.96	116469.25	6.00	247.00	0.00	0.00	0.40			
P5-R1	X	448878.43	116200.33	6.00	170.00	0.00	0.00	0.40			
P6-PR3	Y	448916.03	116459.24	6.00	248.00	0.00	0.00	0.40			
P6-R1	X	448878.71	116186.49	6.00	59.00	0.00	0.00	0.40			
P7-PR3	Z	448935.80	116449.59	6.00	248.00	0.00	0.00	0.40			
P7-R1	X	448910.29	116176.25	6.00	241.00	0.00	0.00	0.40			
P8-PR3	Z	448913.53	116437.81	6.00	154.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1 - Parking Area Plots 271-276



Results

Eav	5.08
Emin	1.40
Emax	8.29
Emin/Emax	0.17
Emin/Eav	0.28

Illuminance (lux)

Grid 2 - Vertical Plots 271-273

0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
0.6	0.5	0.6	0.6	0.7	0.9	1.0	1.0	1.3	1.2	1.2	1.0

Results

Eav	0.34
Emin	0.05
Emax	1.26
Emin/Emax	0.04
Emin/Eav	0.15

Illuminance (lux)

Grid 3 - Vertical Plots 274-276

0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
1.3	1.4	1.3	0.9	0.9	0.8	0.6	0.7	0.7	0.6	0.9	1.0

Results

Eav	0.35
Emin	0.05
E _{max}	1.41
Emin/E _{max}	0.03
Emin/Eav	0.13

Illuminance (lux)

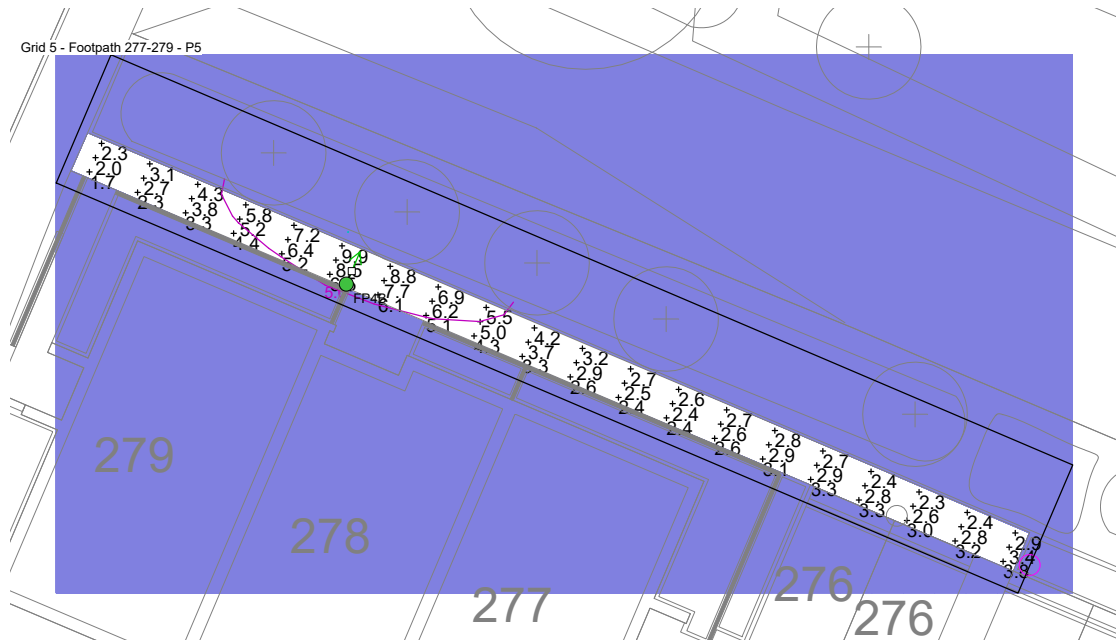
Grid 4 - Vertical Plot 277

**Results**

Eav	2.09
Emin	0.06
Emax	6.53
Emin/Emax	0.01
Emin/Eav	0.03

Horizontal Illuminance (lux)

Grid 5 - Footpath 277-279 - P5



Results

Eav	3.92
Emin	1.70
Emax	9.86
Emin/Emax	0.17
Emin/Eav	0.43

Illuminance (lux)

Grid 6 - Vertical Plots 277-279

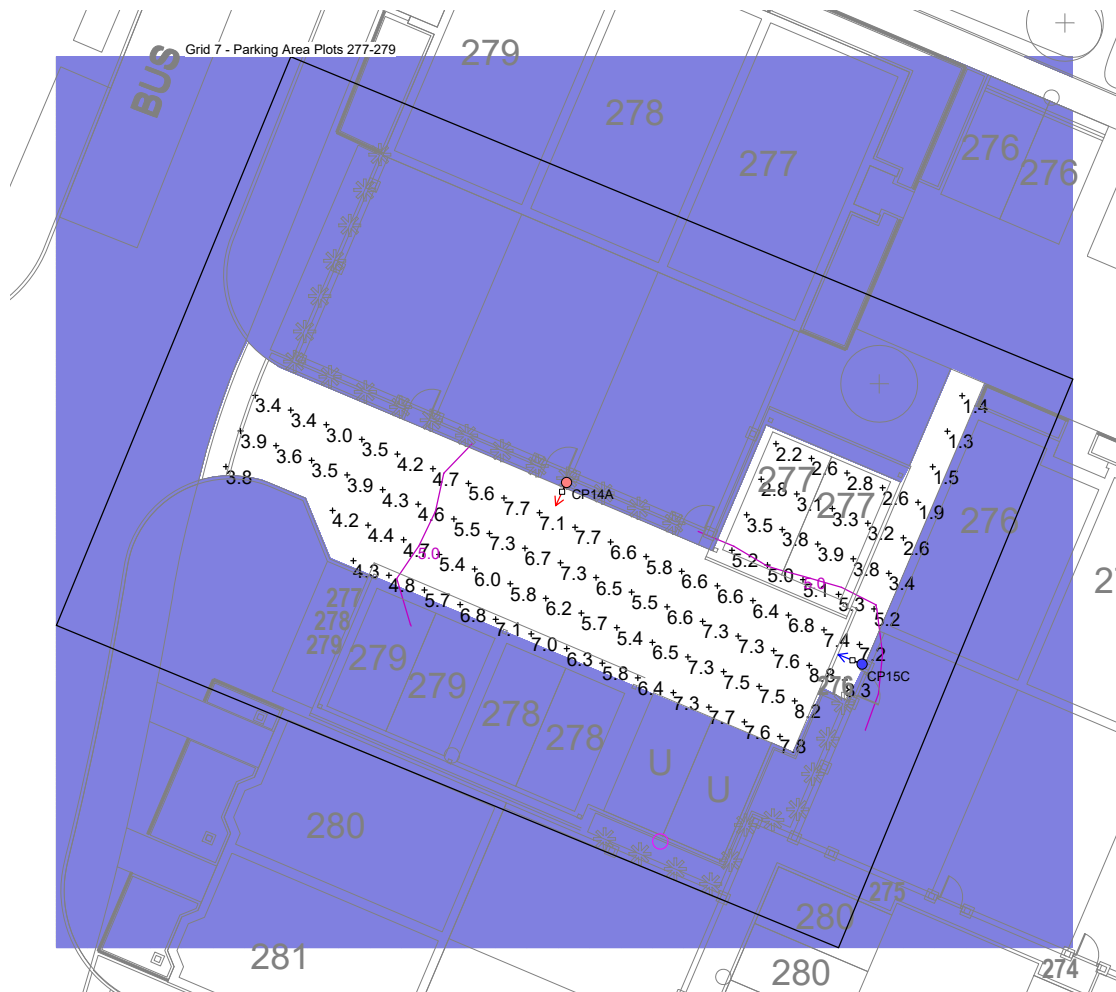
0.0	0.0	0.0	0.1	0.2	0.2	0.4	1.2	1.1	0.4	0.1	0.2
0.2	0.2	0.4	0.4	0.4	0.2	0.3	0.5	0.5	0.3	0.2	0.4
0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
0.7	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3

Results

Eav	0.36
Emin	0.03
E _{max}	1.18
Emin/E _{max}	0.02
Emin/Eav	0.07

Horizontal Illuminance (lux)

Grid 7 - Parking Area Plots 277-279

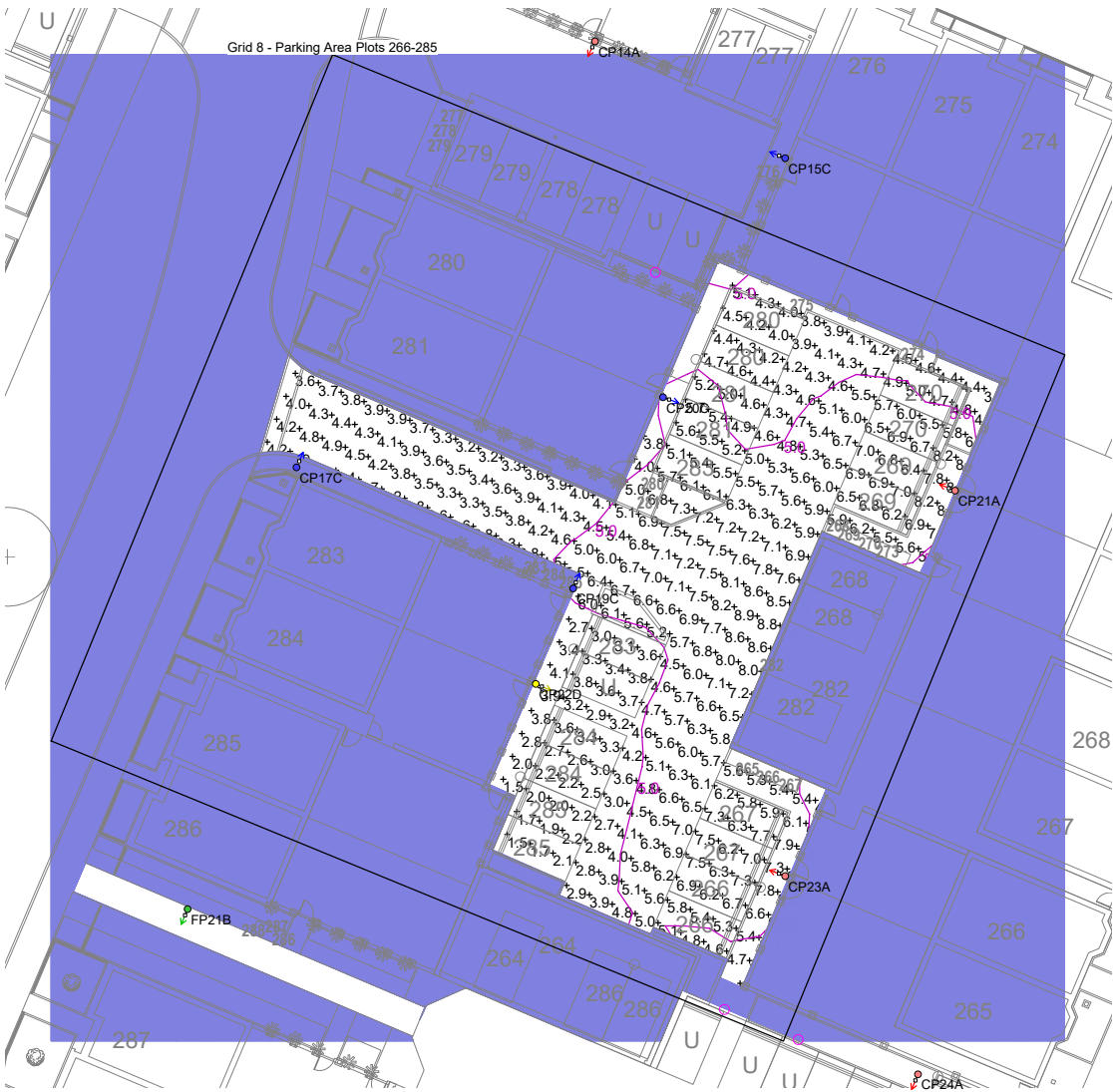


Results

Eav	5.30
Emin	1.32
Emax	8.81
Emin/Emax	0.15
Emin/Eav	0.25

Horizontal Illuminance (lux)

Grid 8 - Parking Area Plots 266-285

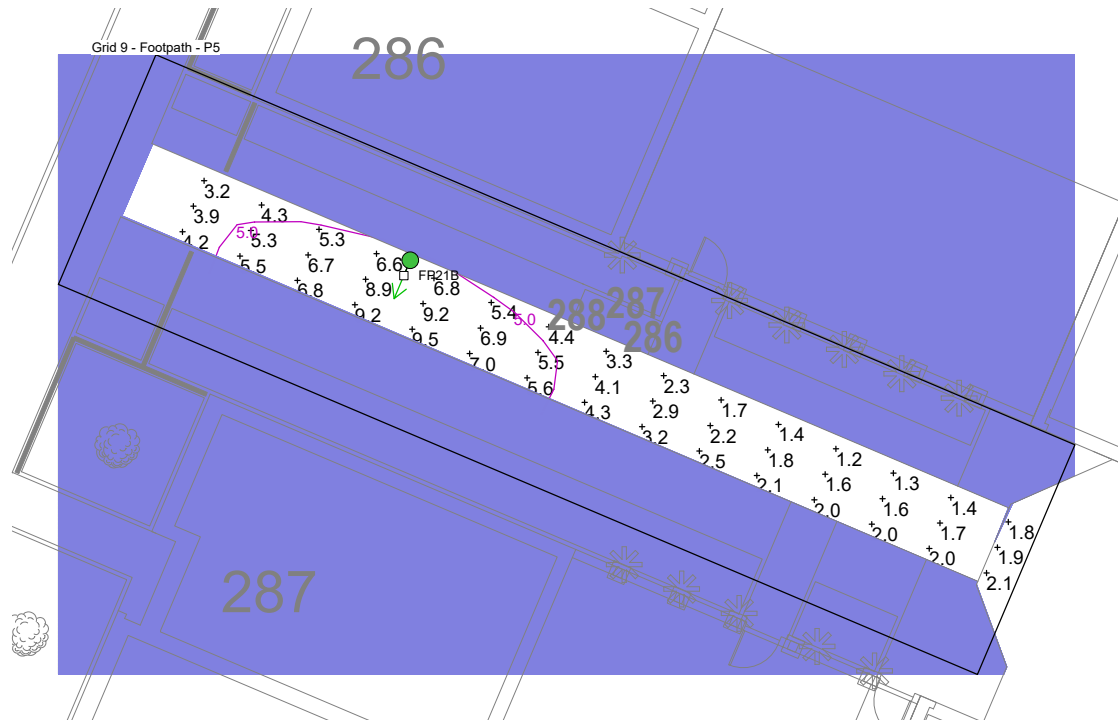


Results

Eav	5.24
Emin	1.46
Emax	8.87
Emin/Emax	0.16
Emin/Eav	0.28

Horizontal Illuminance (lux)

Grid 9 - Footpath - P5

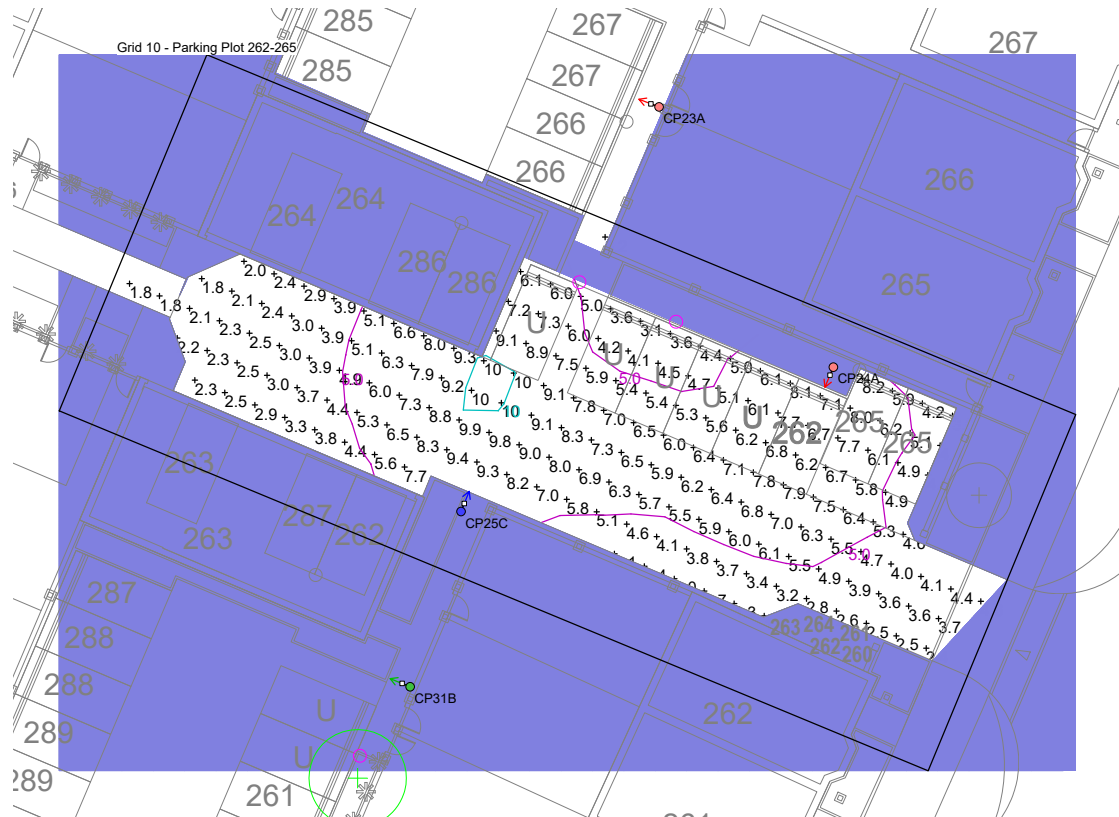


Results

Eav	4.06
Emin	1.25
Emax	9.53
Emin/Emax	0.13
Emin/Eav	0.31

Horizontal Illuminance (lux)

Grid 10 - Parking Plot 262-265

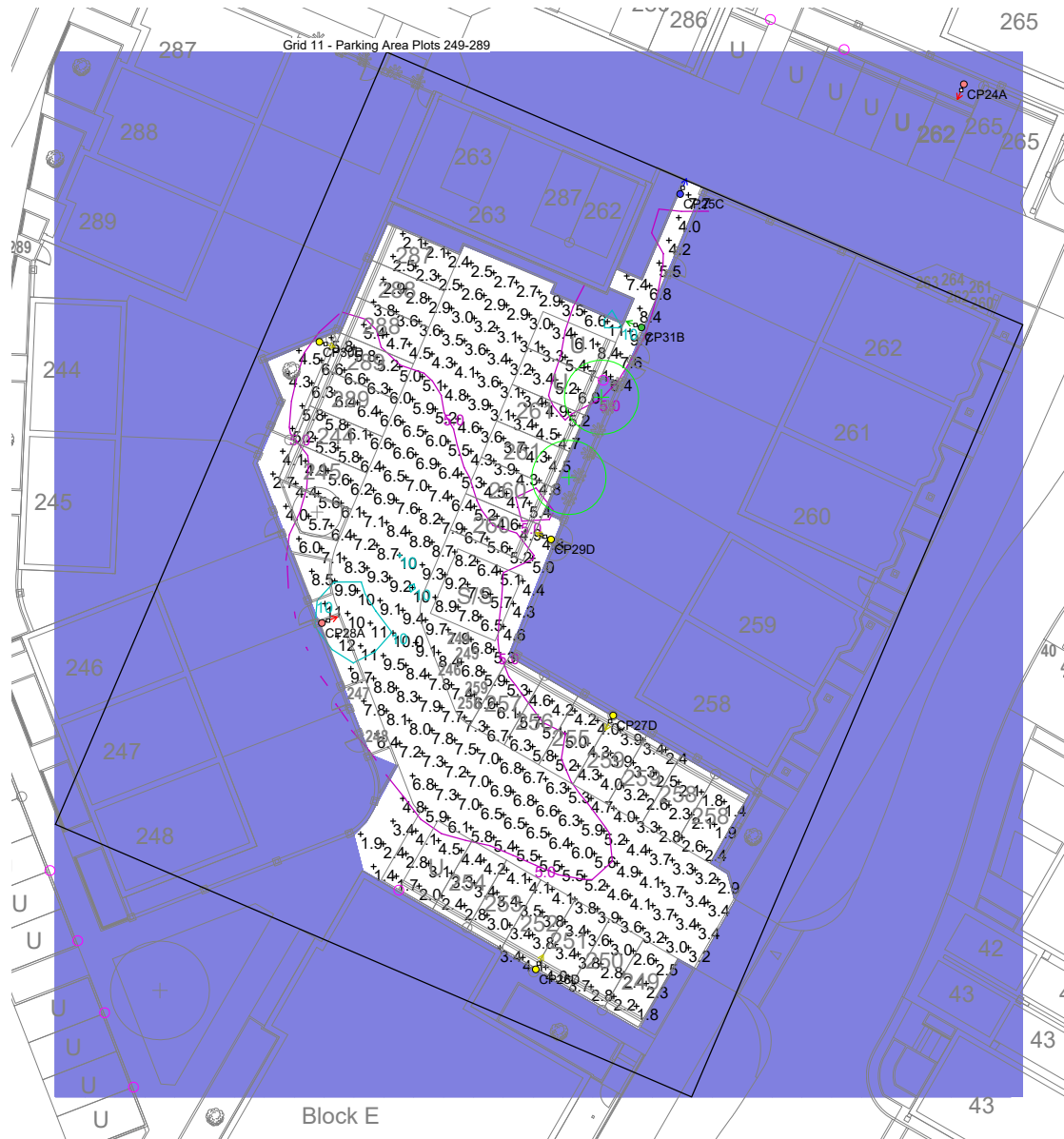


Results

Eav	5.41
Emin	1.27
Emax	10.19
Emin/Emax	0.12
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 11 - Parking Area Plots 249-289

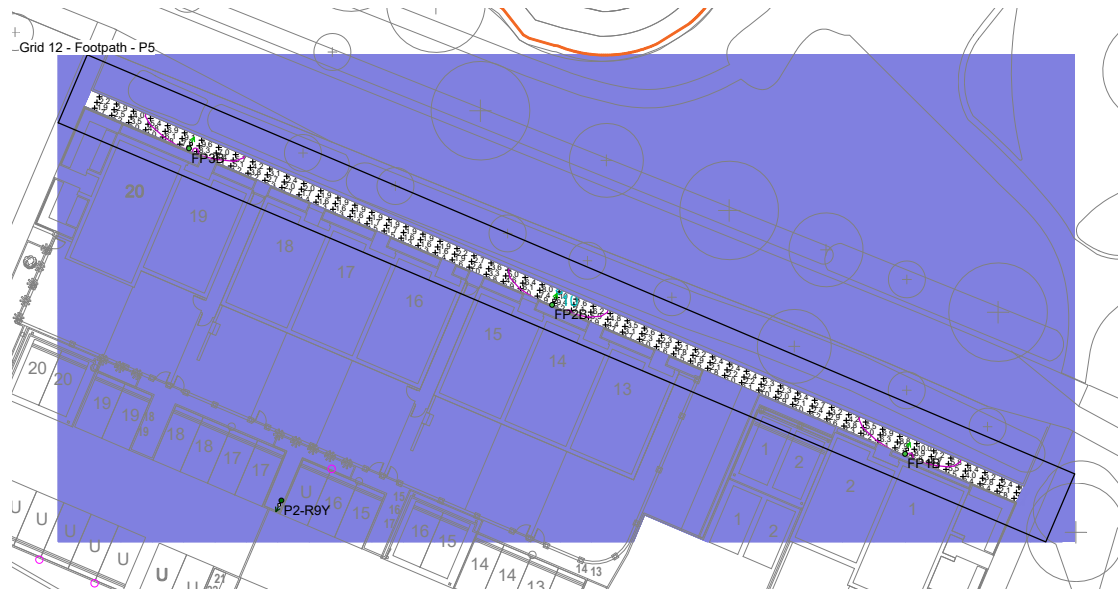


Results

Eav	5.26
Emin	1.40
Emax	11.71
Emin/Emax	0.12
Emin/Eav	0.27

Horizontal Illuminance (lux)

Grid 12 - Footpath - P5

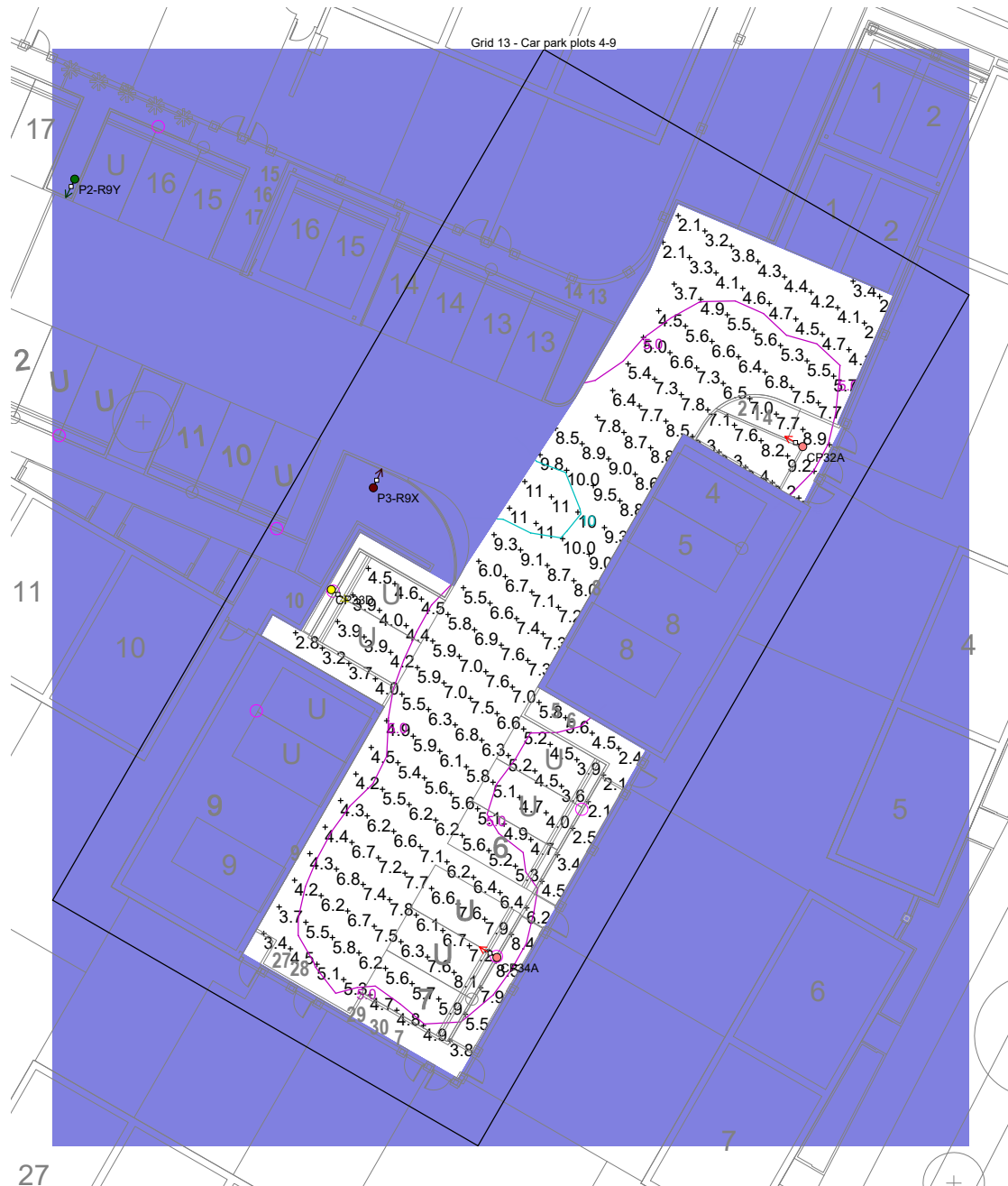


Results

Eav	3.67
Emin	1.29
Emax	10.42
Emin/Emax	0.12
Emin/Eav	0.35

Horizontal Illuminance (lux)

Grid 13 - Car park plots 4-9

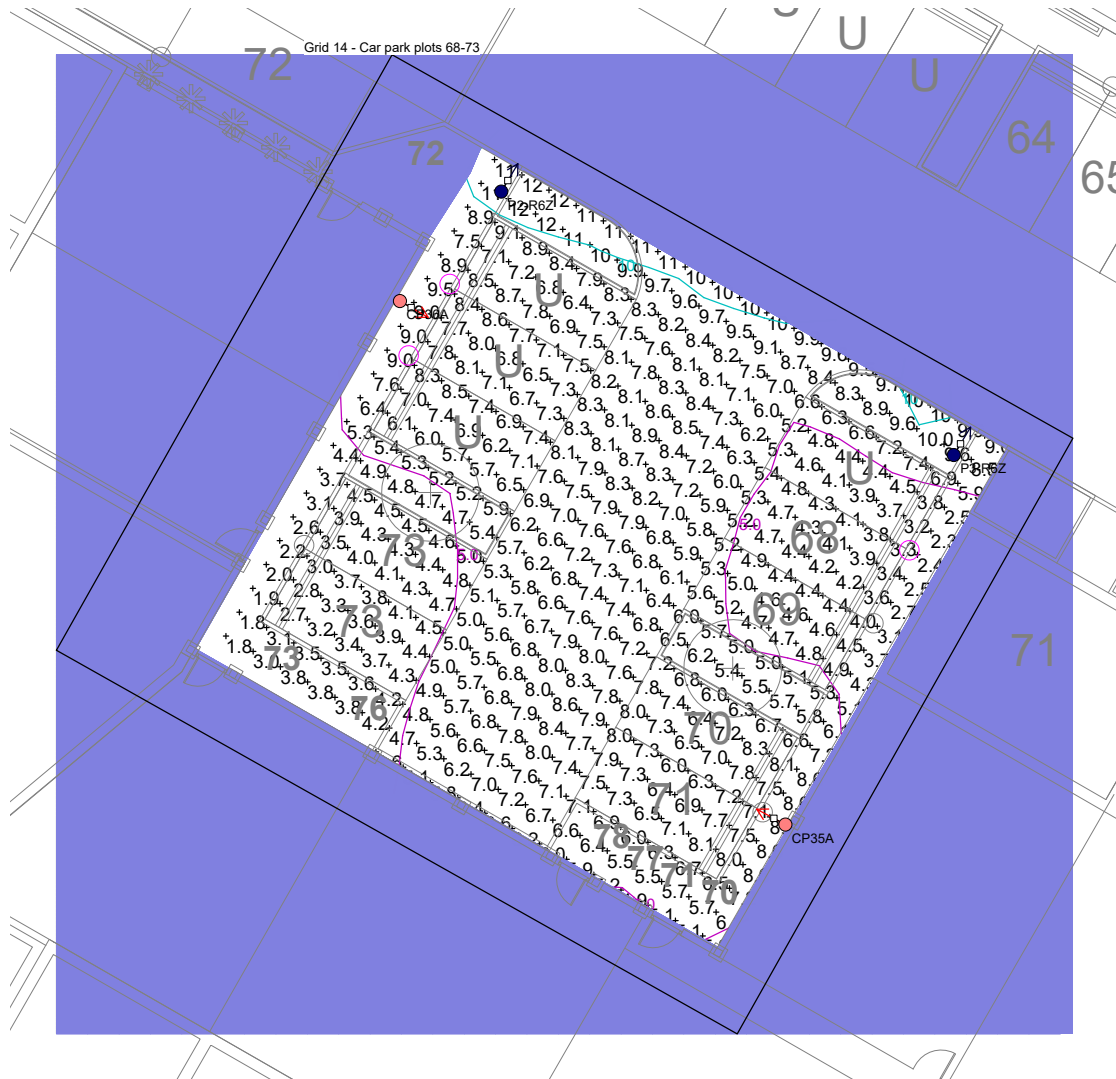


Results

Eav	6.06
Emin	2.07
Emax	10.55
Emin/Emax	0.20
Emin/Eav	0.34

Horizontal Illuminance (lux)

Grid 14 - Car park plots 68-73



Results

Eav	6.49
Emin	1.80
Emax	11.97
Emin/Emax	0.15
Emin/Eav	0.28

Illuminance (lux)

Grid 15 - Vertical Plot 281

0.1	0.1	0.1	0.0	0.0	0.0	0.0
0.2	0.2	0.3	0.2	0.1	0.1	0.1
1.0	1.2	1.5	1.5	1.3	1.9	1.9
3.8	4.0	3.8	3.6	3.3	3.1	2.9

Results

Eav	1.30
Emin	0.03
E _{max}	4.04
E _{min} /E _{max}	0.01
E _{min} /E _{av}	0.02

Illuminance (lux)

Grid 16 - Vertical Plot 283

0.0	0.0	0.1	0.2	0.5	0.5	2.2
0.1	0.2	0.3	0.2	0.3	0.4	0.8
0.2	0.2	0.2	0.3	0.5	0.7	1.0
0.2	0.2	0.3	0.3	0.4	0.6	0.7

Results

Eav	0.42
Emin	0.02
E _{max}	2.18
Emin/E _{max}	0.01
Emin/Eav	0.05

Illuminance (lux)

Grid 17 - Vertical Plot 287

0.1	0.1	0.2	0.3	0.4	0.3	0.3
0.2	0.3	0.4	0.6	0.5	0.6	0.5
0.5	1.0	1.2	1.2	1.4	1.3	1.2
1.2	1.2	1.3	1.3	1.4	1.4	1.3

Results

Eav	0.78
Emin	0.09
E _{max}	1.39
Emin/E _{max}	0.06
Emin/Eav	0.11

Illuminance (lux)

Grid 18 - Vertical Plot 13-20

0.0	0.0	0.0	0.2	0.6	0.2	0.7	2.0	0.8	0.3	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.4	1.2	1.2	0.4	0.1	0.2	
0.1	0.3	0.4	0.5	0.6	0.4	0.5	0.6	0.5	0.4	0.6	0.5	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.2	0.3	0.5	0.5	0.3	0.2	0.4			
0.3	0.3	0.3	0.5	0.5	0.6	0.4	0.4	0.3	0.6	0.5	0.5	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.4			
0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.4	0.3

Results

Eav	0.32
Emin	0.00
Emax	1.97
Emin/Emax	0.00
Emin/Eav	0.01

Illuminance (lux)

Grid 19 - Vertical Plots 1-2

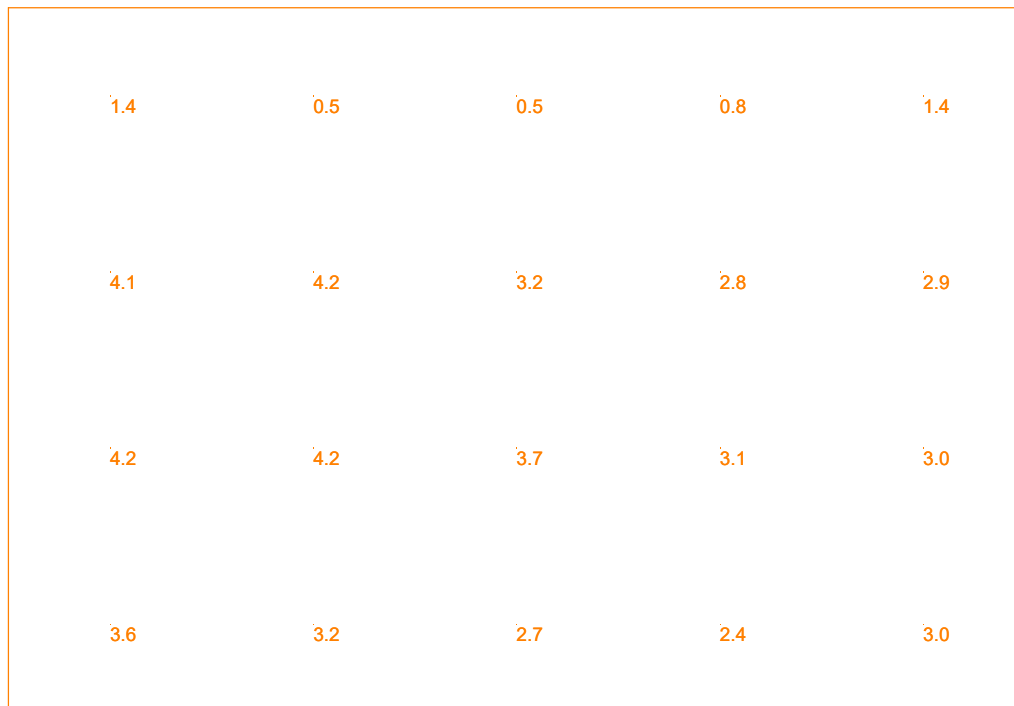
0.6	1.4	0.9	0.9	1.8	0.9	0.3	1.0	0.4
0.7	1.0	0.9	0.7	0.7	0.6	0.6	0.8	0.6
0.6	0.8	1.0	0.9	0.7	0.7	0.8	0.6	0.5
0.5	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.4

Results

Eav	0.73
Emin	0.34
E _{max}	1.77
Emin/E _{max}	0.19
Emin/Eav	0.46

Illuminance (lux)

Grid 20 - Vertical Plot 263

**Results**

Eav	2.75
Emin	0.48
E _{max}	4.22
Emin/E _{max}	0.11
Emin/Eav	0.18