



DATE: 8 April 2026
DESIGNER: Dan Staunton
PROJECT No: 26-04-09-01A
PROJECT NAME: Limerick Student Accomodation

Veelite

Limerick Student Accomodation and Proposed Laneway Restoration

IS EN 13201-2:2015 / BS 5489-1:2020
Hunt's Lane - Class P3
Lady's Lane - Class P3
Amenity Areas 1 & 2 - Class P3

Outdoor Lighting Report

Based on:
Lumen Output at 100,000 hours
Spot Lamp Replacement
Normal Environment
6 Year Cleaning Cycle
Ground is Level

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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	Lady's Lane	20.11	50.44	101.29	25.00	1.49	1.47
2	Hunt's Lane	10.83	18.30	117.49	13.71	1.49	1.37
3	Amenity Area 1	63.95	28.32	15.03	17.29	1.37	1.44
4	Amenity Area 2	90.12	37.52	10.94	9.61	1.37	1.37
5	Area	-5.20	-12.17	148.03	119.19	1.50	1.49

Luminares

Luminaire A Data

Supplier	
Type	Veelite Metro Streetlight 35w LED Street Optic R03
Lamp(s)	32LED 4000K G4
Lamp Flux (klm)	5.37
File Name	5MTB16LGB-R03.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	537.8, 56.5, 0.3
No. in Project	2

Luminaire B Data

Supplier	
Type	Veelite Metro Streetlight 18w LED Forward Throw A Optic
Lamp(s)	16 LED 4000K G4
Lamp Flux (klm)	2.68
File Name	5MTA14LGA-FTA.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	401.3, 47.0, 0.5
No. in Project	1

Luminaire C Data

Supplier	
Type	Veelite Metro Streetlight 18w LED Street Optic R03
Lamp(s)	16LED 4000K G4
Lamp Flux (klm)	2.69
File Name	5MTA14LGB-R03.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	537.8, 56.5, 0.3
No. in Project	4

Luminaire D Data

Supplier	
Type	Veelite Chi 10w LED Street Optic Wide A13
Lamp(s)	8LED 4000K
Lamp Flux (klm)	1.04
File Name	5CHI06LGA-A13.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	533.8, 296.7, 70.9
No. in Project	2

Layout

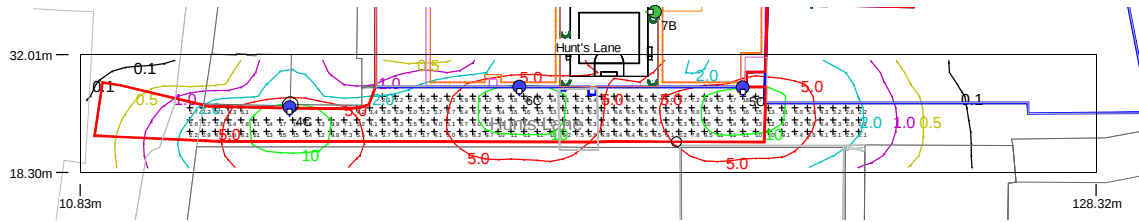
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	36.66	68.78	8.00	270.00	0.00	0.00	0.50			
2	A	75.96	68.85	8.00	269.00	0.00	0.00	0.50			
3	C	97.35	58.76	6.00	90.00	0.00	0.00	0.50			
4	C	35.05	25.94	6.00	270.00	0.00	0.00	0.50			
5	C	87.38	28.20	6.00	274.00	0.00	0.00	0.50			
6	C	61.62	28.31	6.00	270.00	0.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
7	B	77.27	36.98	6.00	180.00	0.00	0.00	0.50			
8	D	91.25	41.98	4.00	2.00	0.00	0.00	0.00			
9	D	100.00	42.54	4.00	178.00	0.00	0.00	0.00			

Horizontal Illuminance (lux)

Hunt's Lane

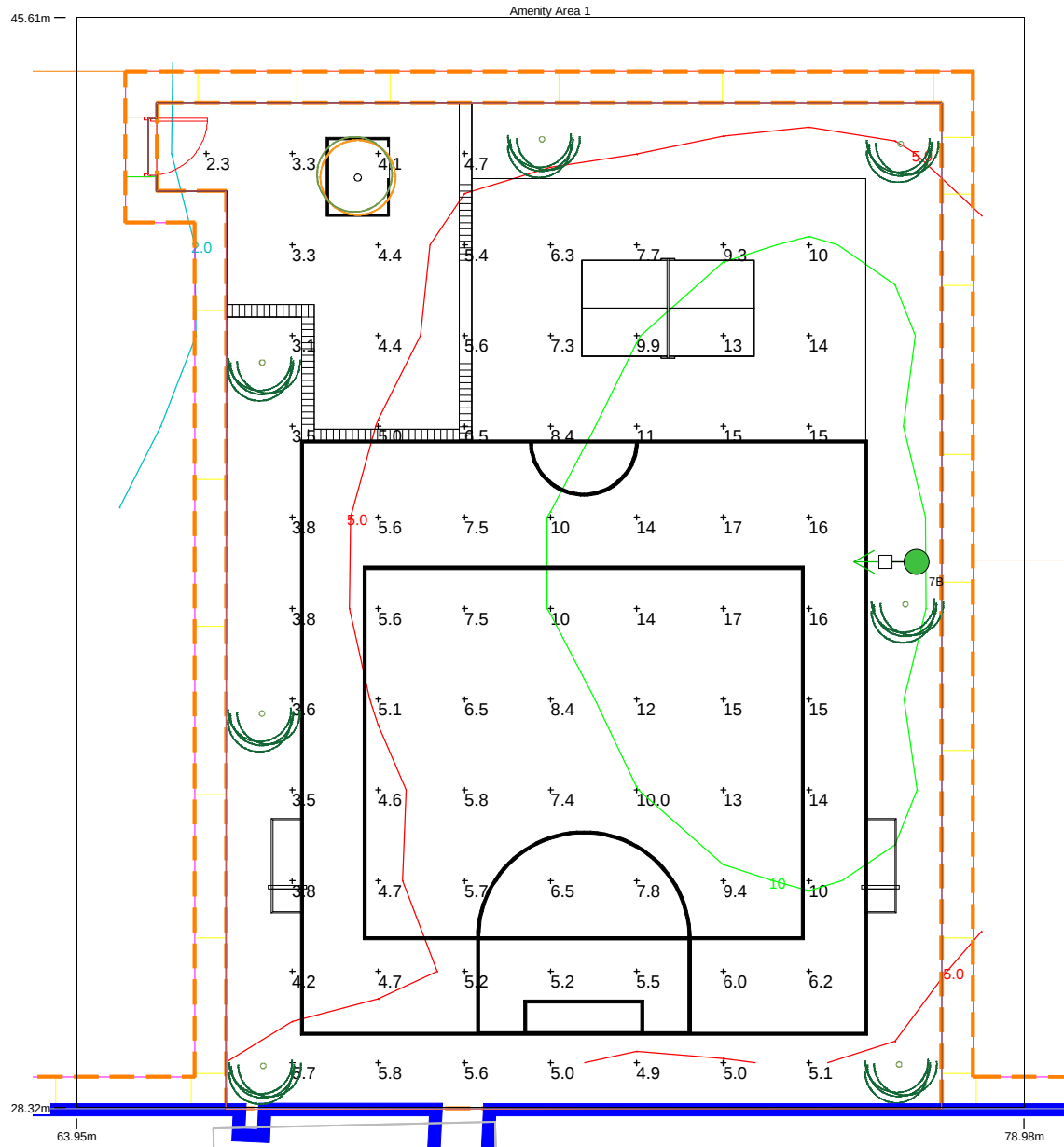


Results

Eav	7.91
Emin	1.69
Emax	19.00
Emin/Emax	0.09
Emin/Eav	0.21

Horizontal Illuminance (lux)

Amenity Area 1

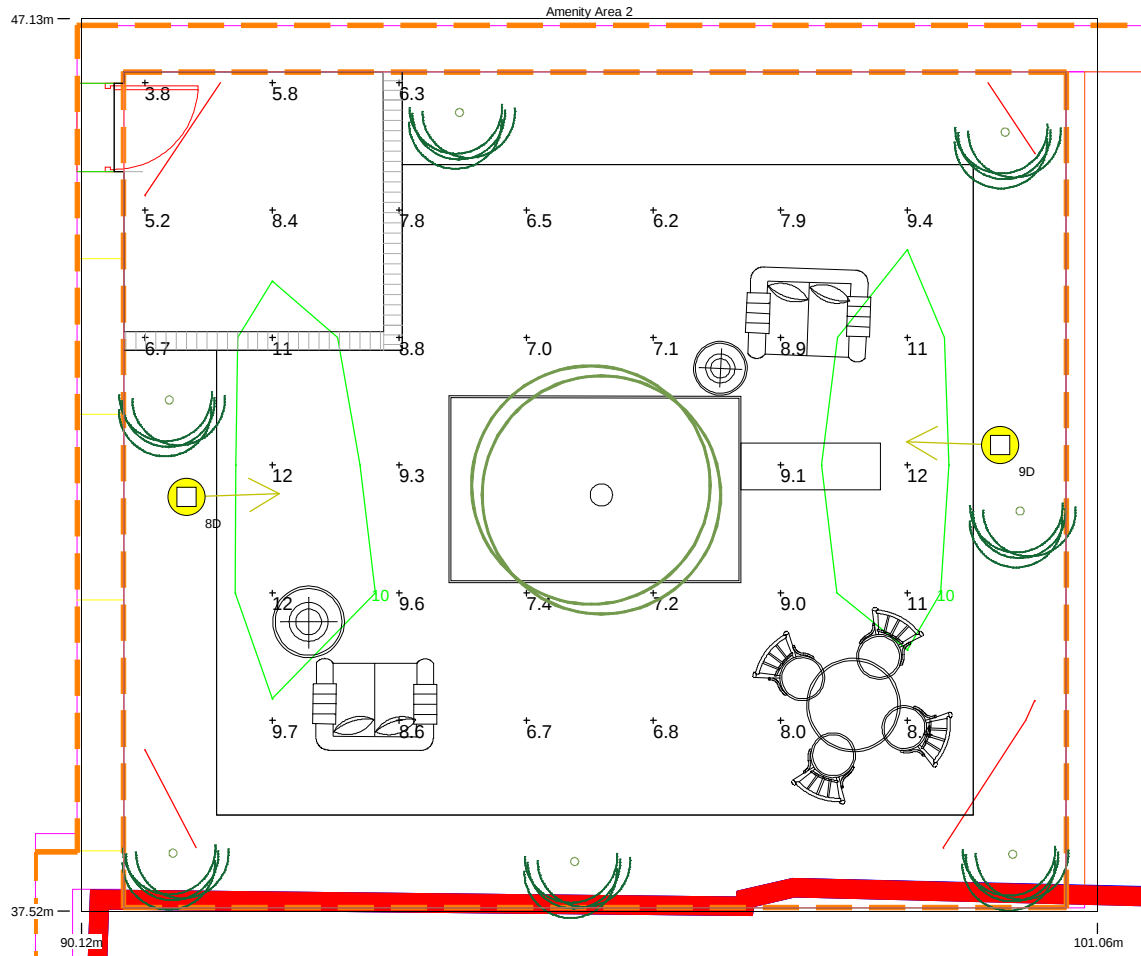


Results

Eav	7.81
Emin	2.30
Emax	17.49
Emin/Emax	0.13
Emin/Eav	0.30

Horizontal Illuminance (lux)

Amenity Area 2

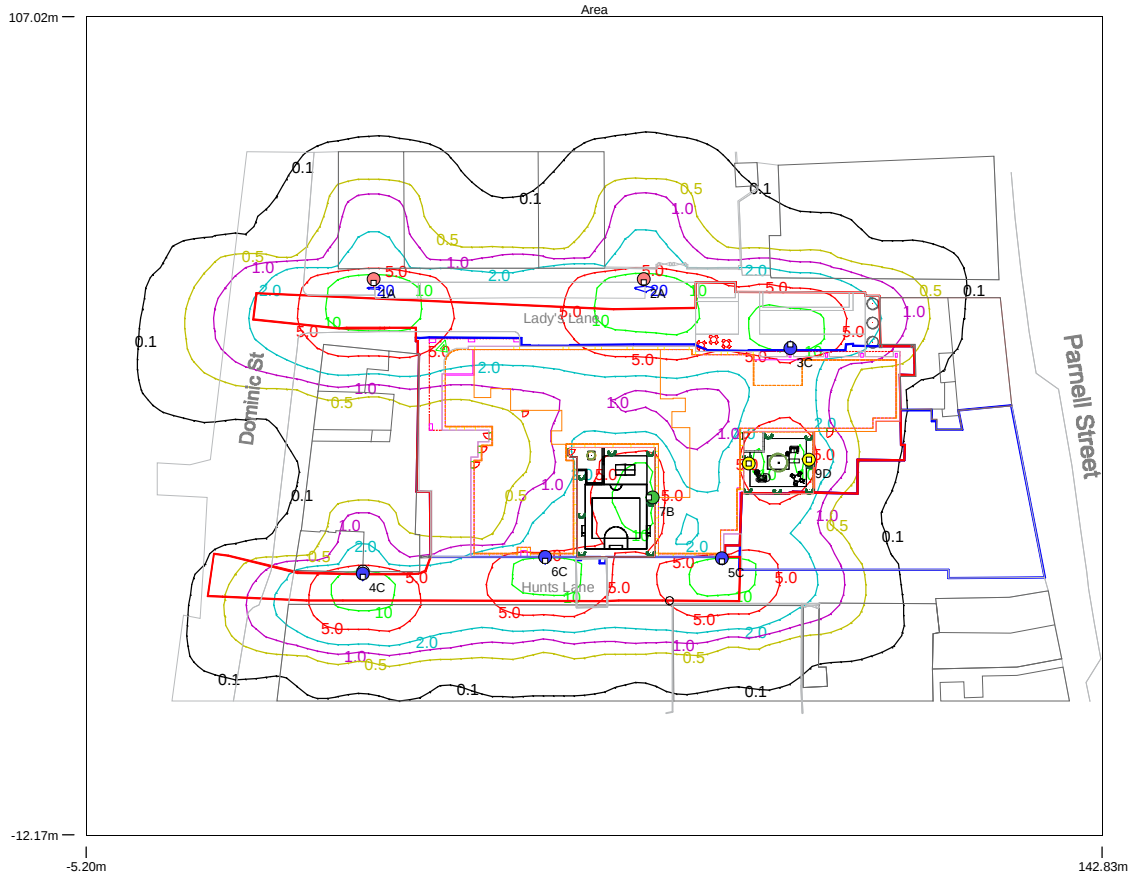


Results

Eav	8.32
Emin	3.84
E _{max}	11.89
E _{min} /E _{max}	0.32
E _{min} /E _{av}	0.46

Horizontal Illuminance (lux)

Area



Horizontal Illuminance (lux)

