

Luminaire Schedule									
Symbol	Ref	Qty	Config	Description	Mtg Height	Lumens	Cutoff Class	Total MF	Unit Watts
	A	8	Single	Kirium Pro S1 16LED C2 2_7k Rear shield 500mA UMSUG 42 0024 0000 100	5	3051	Semi-Cutoff	0.920	24
	B	2	Single	Kirium Pro S1 16LED C2 2_7k 500mA UMSUG 42 0024 0000 100	5	3589	Non-Cutoff	0.920	24
	C	6	Single	Kirium Wall 8 LED 2_7k 300mA Clear-Medium Optic	3	788	Non-Cutoff	0.920	6
									lm/W
									127lm/W
									149lm/W
									131lm/W

Luminous Flux Factor (LFF): BS5489-1:2020 [Annex D2] = 1.0 (CLO)

Survival Factor (SF): BS5489-1:2020 [Annex D2] = 1.0

Luminaire Maintenance Factor (LMF): BS5489-1:2020 [Table C1] = 72 Months:
Environmental Zone:

E1/E2 =<6M TLS = 0.92

[LFF] * [SF] * [LMF] = Total Maintenance Factor Value

Calculation Results Summary

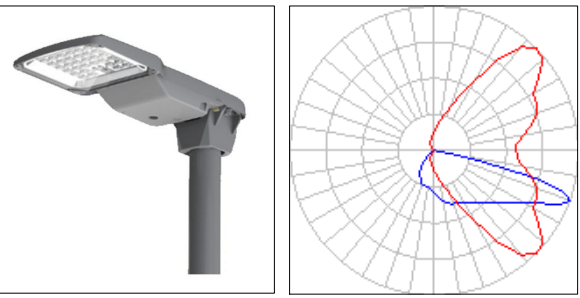
Grid Reference	Measurement	Units	Eav	Emax	Emin	Uo	Ud	X Pitch	Y Pitch
Car Park Area	Illuminance	Lux	10.58	28.2	3.0	0.28	0.11	1.5	1.5
Cycle Parking	Illuminance	Lux	7.17	11.5	5.0	0.70	0.43	1	1
Perimeter Walkway	Illuminance	Lux	7.98	15.3	4.1	0.51	0.27	1.5	1.5
Walkway 1	Illuminance	Lux	9.39	12.5	5.5	0.59	0.44	1	1
Walkway 2	Illuminance	Lux	9.62	13.8	4.3	0.45	0.31	1	1
Walkway 3	Illuminance	Lux	9.71	19.7	4.1	0.42	0.21	1	1

Luminaire Location Summary

Col ID	Ref (Qty)	X	Y	Angle	Tilt	Dimming
1	A (1)	317841.789	478994.672	348.266	0	1.00
2	A (1)	317850.879	479015.854	321.53	0	1.00
3	A (1)	317862.37	478978.379	76.962	0	1.00
4	A (1)	317885.438	478972.89	111.876	0	1.00
5	A (1)	317870.517	479014.825	315.542	0	1.00
6	A (1)	317868.502	479007.926	295.498	0	1.00
7	A (1)	317906.709	479012.04	264.505	0	1.00
8	A (1)	317920.468	478998.419	141.491	0	1.00
9	B (1)	317876.515	478993.484	334.437	0	1.00
10	B (1)	317861.902	479001.03	335.948	0	1.00
11	C (1)	317912.109	478988.811	45.952	0	1.00
12	C (1)	317902.44	478991.849	99.169	0	1.00
13	C (1)	317893.694	478985.034	157.387	0	1.00
14	C (1)	317895.723	478972.49	223.44	0	1.00
15	C (1)	317907.034	478969.435	287.023	0	1.00
16	C (1)	317915.042	478977.513	336.069	0	1.00

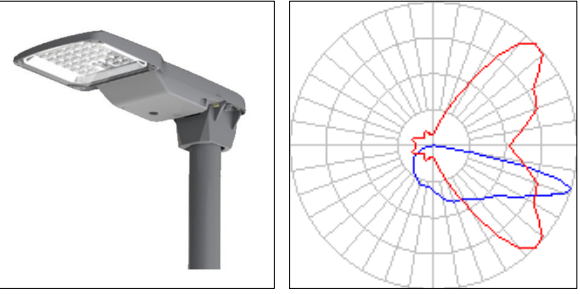
Upward Waste Light Ratio Measurement

UWL
0.000



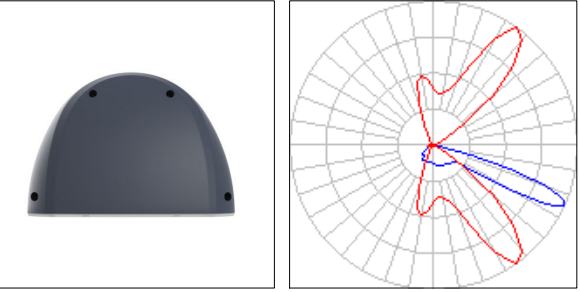
REF A:
Kirium Pro S1, Direct Post, 16 x 500mA 2.7K CLO LED Array,
C2 Optic, RAL9005 Black Finish, No Photocell + Rear Light Shield

5m TLS Tubular Steel Rooted Column, RAL9005 Black Finish

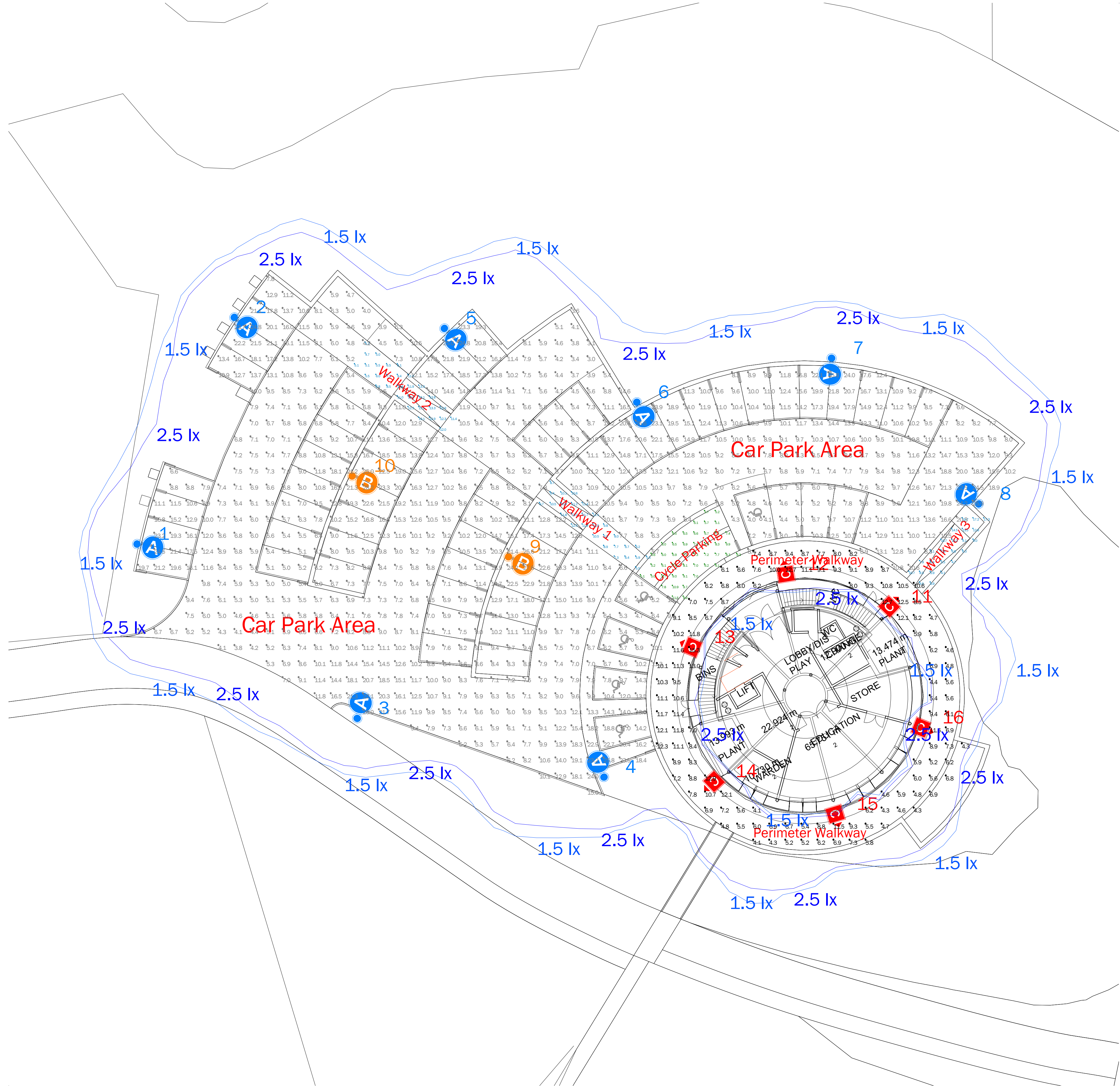


REF B:
Kirium Pro S1, Direct Post, 16 x 500mA 2.7K CLO LED Array,
C2 Optic, RAL9005 Black Finish, No Photocell

5m TLS Tubular Steel Rooted Column, RAL9005 Black Finish



REF C:
Kirium Wall 8 x 300mA 2.7K CLO LED Array,
Clear-Medium Optic, RAL9005 Black Finish,
No Photocell



Car Park Area:

[BS EN 12464-2:2014 \(BS 5489-1:2020 Table 4\)](#)

5.9 Parking Areas
[5.9.2 Medium Traffic](#) e.g. parking areas of department stores, office buildings, plants, sports and multipurpose building complexes

10.0lx Eav
0.25Uo

Walkways & Perimeter

[BS EN 12464-2:2014](#)

5.1 General requirements for areas
[5.1.1 Walkways exclusively for pedestrians](#)

5.0lx Eav
0.25Uo

A	28/04/25	Based on client CAD DWG
Issue:	Date:	Description:

CDM Statement:
Please note that this proposed lighting scheme is a lighting solution that has been designed with information provided by the client. The solution does not include site, installation engineering or any risk assessment considerations for CDM.

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The Iron Line - Millam,
Cumbria

Client:	Crookes Walker Consulting Ltd	Contact:	Gurbani Viridi
Project Management:	Den Gormley	Lighting Design:	Michael Walker
All measurements in Metres & lux. Do not scale from this drawing. All product images are indicative.			
Filename:	25-142-1A - 1.1 The Iron Line - Millam.AGI	AG328 Version 22.2.44	
Date:	28/04/2025	Scale: 1:200 @ A1	
Project Ref:	Page 1 of 1		

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