

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1438772

Luminaire Tested: CB2-0U-085D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438772
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-0U-085D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

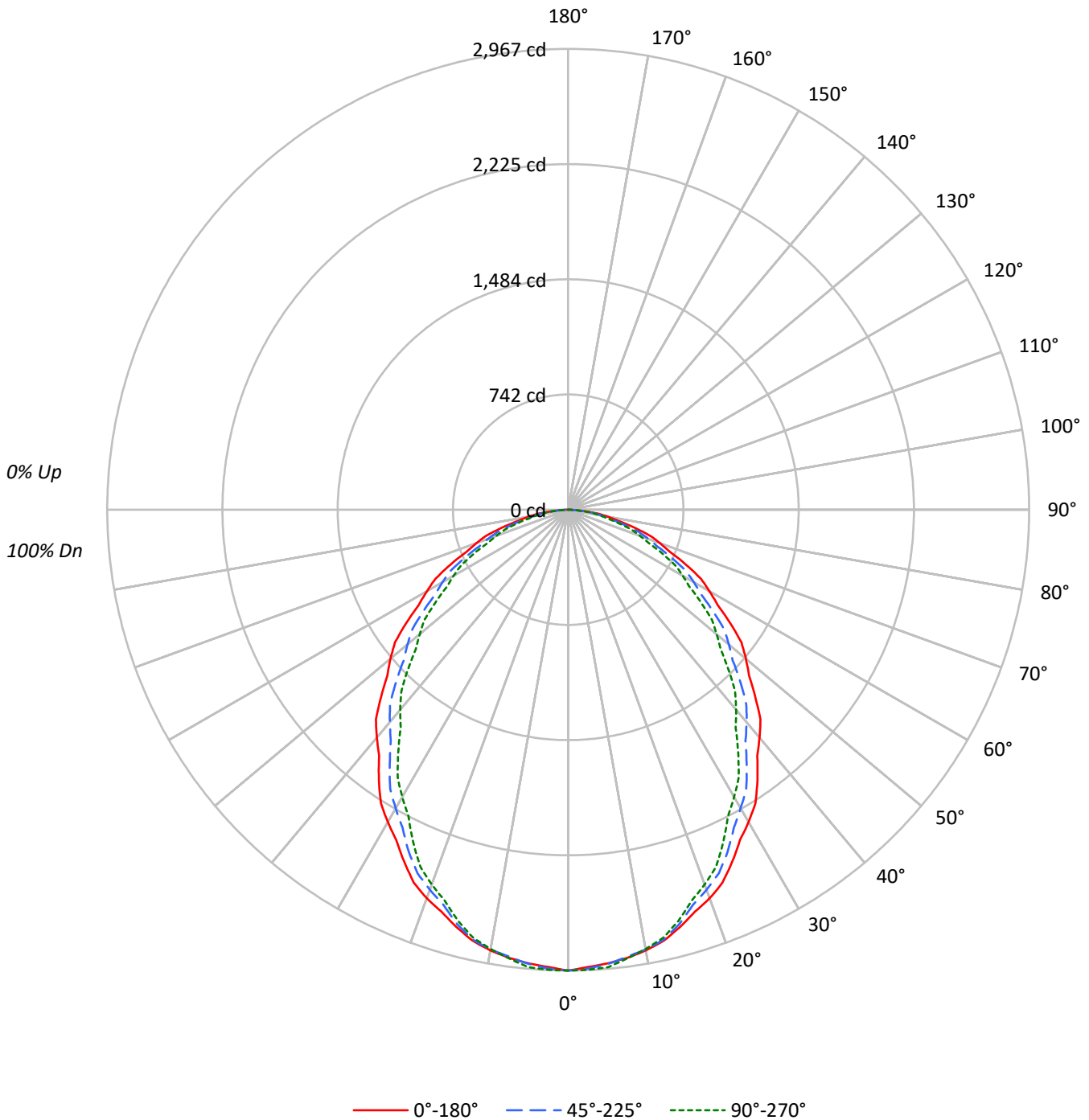
Lumens per Lamp: N/A
Luminaire Lumens: 6919.5 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 55.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25841	25841	25841
5°	25623	25662	25841
10°	25477	25417	25396
15°	25073	24909	24704
20°	24679	24131	23794
25°	24016	23338	22684
30°	23351	22322	21476
35°	22585	21281	20266
40°	21775	20302	19114
45°	20959	19281	17992
50°	20224	18285	16900
55°	19319	17248	15869
60°	18283	16264	14840
65°	17182	15168	13813
70°	15967	13943	12497
75°	14526	12615	11316
80°	12989	11053	10256
85°	9992	9083	7494

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20959 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	4.0
10°-20°	777.8	11.2
20°-30°	1118.4	16.2
30°-40°	1257.1	18.2
40°-50°	1214.3	17.5
50°-60°	1026.0	14.8
60°-70°	737.0	10.7
70°-80°	402.8	5.8
80°-90°	107.0	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2175.3	31.4
0°-40°	3432.4	49.6
0°-60°	5672.7	82.0
0°-90°	6919.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6919.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2967	2967	2967	2967	2967	
5°	2931	2971	2936	2936	2956	278
15°	2781	2805	2763	2736	2740	784
25°	2499	2502	2429	2374	2361	1151
35°	2124	2100	2002	1924	1906	1327
45°	1702	1666	1566	1483	1461	1315
55°	1272	1226	1136	1065	1045	1137
65°	834	803	736	684	670	827
75°	432	405	375	345	336	462
85°	100	93	91	79	75	123
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2967.3	2967.3	2967.3	2967.3	2967.3
2.5°	2947.3	2982.9	2956.4	2960.2	2965.5
5°	2931.0	2971.0	2935.5	2936.0	2956.0
7.5°	2910.1	2947.8	2903.2	2895.0	2913.7
10°	2881.0	2918.7	2874.2	2858.6	2871.9
12.5°	2842.8	2878.8	2836.0	2811.3	2822.8
15°	2781.0	2805.4	2762.8	2735.7	2740.1
17.5°	2713.8	2728.9	2667.4	2644.6	2640.1
20°	2662.9	2676.2	2603.8	2571.9	2567.4
22.5°	2597.4	2609.0	2532.9	2493.7	2487.5
25°	2499.3	2501.5	2428.8	2374.0	2360.7
27.5°	2396.6	2389.5	2308.9	2244.0	2226.6
30°	2322.1	2313.2	2219.8	2151.3	2135.7
32.5°	2242.1	2226.1	2132.6	2058.6	2043.0
35°	2124.4	2099.9	2001.7	1924.0	1906.3
37.5°	1999.0	1971.4	1874.9	1790.4	1770.4
40°	1915.4	1884.3	1785.8	1701.3	1681.3
42.5°	1831.7	1797.1	1696.8	1612.2	1590.4
45°	1701.8	1666.2	1565.5	1483.2	1460.9
47.5°	1578.2	1532.9	1435.0	1353.2	1331.0
50°	1492.7	1443.9	1349.6	1269.6	1247.4
52.5°	1405.5	1354.8	1264.2	1187.8	1165.6
55°	1272.4	1225.7	1136.0	1065.1	1045.2
57.5°	1140.6	1095.7	1013.8	946.1	926.5
60°	1049.7	1011.9	933.8	869.8	852.0
62.5°	962.4	928.2	853.8	795.3	777.5
65°	833.8	802.7	736.1	683.6	670.3
67.5°	708.9	677.8	623.9	576.8	561.7
70°	627.1	596.0	547.6	504.1	490.8
72.5°	548.9	516.1	476.7	436.9	427.1
75°	431.7	405.0	374.9	345.2	336.3
77.5°	328.1	302.3	280.4	259.4	257.2
80°	259.0	236.8	220.4	206.7	204.5
82.5°	193.6	176.7	165.9	155.9	155.4
85°	100.0	93.3	90.9	79.4	75.0
87.5°	29.1	29.1	25.4	21.8	21.8
90°	0.0	0.0	0.0	0.0	0.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	22.15	23.73	22.51	24.04	24.36	21.05	22.63	21.41	22.94	23.26
	3H	23.84	25.27	24.22	25.59	25.95	22.63	24.05	23.00	24.38	24.74
	4H	24.50	25.84	24.90	26.19	26.57	23.23	24.57	23.63	24.92	25.29
	6H	24.94	26.18	25.35	26.54	26.93	23.64	24.87	24.05	25.24	25.63
	8H	25.11	26.29	25.53	26.68	27.08	23.80	24.98	24.22	25.37	25.77
	12H	25.20	26.33	25.63	26.72	27.15	23.88	25.01	24.31	25.39	25.82
4H	2H	22.64	23.98	23.04	24.32	24.70	21.76	23.10	22.16	23.45	23.83
	3H	24.57	25.69	24.98	26.08	26.48	23.56	24.68	23.97	25.08	25.48
	4H	25.34	26.35	25.77	26.76	27.20	24.26	25.27	24.69	25.68	26.12
	6H	25.90	26.78	26.35	27.22	27.68	24.77	25.65	25.23	26.09	26.55
	8H	26.12	26.94	26.58	27.39	27.85	24.98	25.80	25.44	26.24	26.71
	12H	26.26	27.00	26.74	27.47	27.94	25.10	25.84	25.58	26.31	26.78
8H	4H	25.55	26.37	26.01	26.82	27.28	24.59	25.41	25.05	25.85	26.32
	6H	26.22	26.90	26.72	27.39	27.87	25.22	25.90	25.72	26.39	26.87
	8H	26.52	27.13	27.03	27.64	28.12	25.50	26.11	26.01	26.62	27.11
	12H	26.72	27.26	27.23	27.76	28.32	25.68	26.22	26.19	26.71	27.28
12H	4H	25.56	26.30	26.05	26.78	27.25	24.62	25.36	25.11	25.84	26.31
	6H	26.25	26.87	26.77	27.38	27.86	25.29	25.90	25.80	26.41	26.89
	8H	26.61	27.15	27.11	27.64	28.20	25.63	26.17	26.13	26.66	27.22