

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: P1438732

Luminaire Tested: CB2-085U-085D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438732
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-085U-085D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

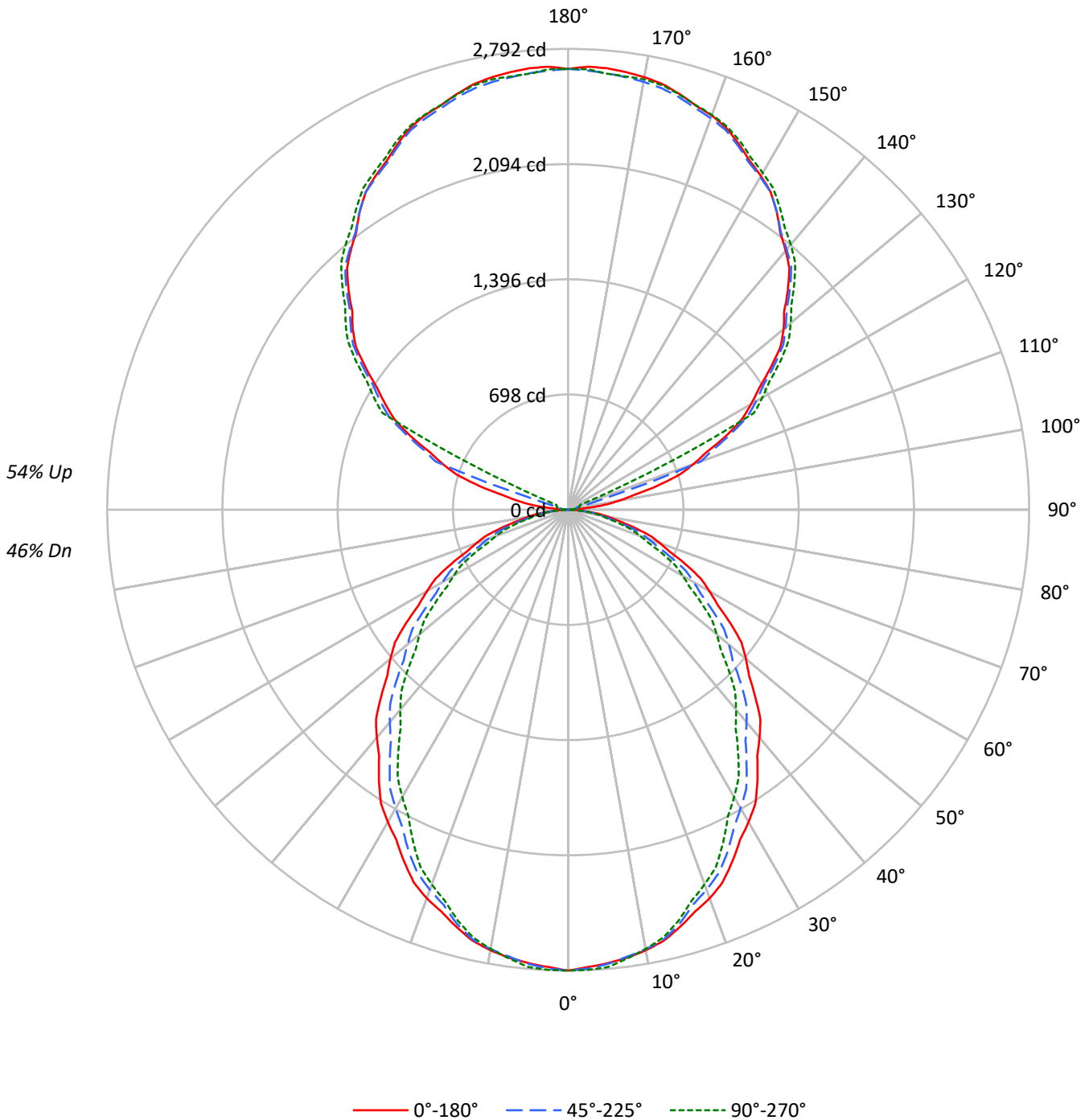
Lumens per Lamp: N/A
Luminaire Lumens: 14126.7 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 113.4
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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46				
1	97	93	89	86	89	85	82	79	71	69	67	59	57	55	47	46	45	39				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33				
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14				
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24315	24315	24315
5°	24109	24146	24314
10°	23972	23915	23896
15°	23592	23438	23246
20°	23221	22706	22389
25°	22596	21960	21343
30°	21971	21004	20208
35°	21251	20023	19069
40°	20488	19103	17985
45°	19721	18141	16929
50°	19030	17205	15902
55°	18177	16229	14931
60°	17203	15305	13963
65°	16168	14274	12996
70°	15023	13118	11759
75°	13668	11868	10646
80°	12222	10401	9649
85°	9403	8543	7044

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19721 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.6	1.9
10°-20°	731.9	5.2
20°-30°	1052.4	7.4
30°-40°	1182.8	8.4
40°-50°	1142.6	8.1
50°-60°	965.4	6.8
60°-70°	693.4	4.9
70°-80°	379.0	2.7
80°-90°	100.8	0.7
90°-100°	46.5	0.3
100°-110°	296.3	2.1
110°-120°	941.3	6.7
120°-130°	1365.9	9.7
130°-140°	1469.0	10.4
140°-150°	1383.1	9.8
150°-160°	1126.8	8.0
160°-170°	733.4	5.2
170°-180°	253.5	1.8
0°-30°	2046.8	14.5
0°-40°	3229.6	22.9
0°-60°	5337.6	37.8
0°-90°	6510.9	46.1
90°-120°	1284.1	9.1
90°-150°	5502.2	38.9
90°-180°	7616.0	53.9
0°-180°	14126.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2792	2792	2792	2792	2792	
5°	2758	2796	2762	2762	2781	262
15°	2617	2640	2600	2574	2578	738
25°	2352	2354	2285	2234	2221	1083
35°	1999	1976	1883	1810	1794	1249
45°	1601	1568	1473	1396	1375	1237
55°	1197	1153	1069	1002	983	1070
65°	785	755	693	643	631	778
75°	406	381	353	325	316	434
85°	94	88	86	75	70	112
90°	0	0	0	2	2	8
95°	106	31	33	21	19	135
105°	556	577	58	68	72	586
115°	1052	1075	1085	1098	630	1035
125°	1495	1521	1522	1547	1568	1336
135°	1881	1904	1900	1912	1937	1451
145°	2202	2219	2204	2206	2234	1376
155°	2445	2460	2433	2428	2462	1127
165°	2607	2615	2588	2577	2603	736
175°	2684	2690	2656	2638	2652	255
180°	2671	2671	2671	2671	2671	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2792.0	2792.0	2792.0	2792.0	2792.0
2.5°	2773.2	2806.7	2781.8	2785.3	2790.3
5°	2757.8	2795.5	2762.1	2762.5	2781.3
7.5°	2738.2	2773.7	2731.7	2724.0	2741.6
10°	2710.8	2746.3	2704.4	2689.7	2702.2
12.5°	2674.9	2708.7	2668.5	2645.2	2656.1
15°	2616.7	2639.7	2599.6	2574.1	2578.3
17.5°	2553.5	2567.7	2509.8	2488.4	2484.2
20°	2505.6	2518.1	2450.0	2420.0	2415.8
22.5°	2444.0	2454.9	2383.3	2346.4	2340.5
25°	2351.6	2353.7	2285.4	2233.8	2221.2
27.5°	2255.0	2248.3	2172.5	2111.4	2095.1
30°	2184.9	2176.5	2088.7	2024.2	2009.6
32.5°	2109.6	2094.6	2006.6	1937.0	1922.4
35°	1998.9	1975.9	1883.4	1810.4	1793.7
37.5°	1880.9	1855.0	1764.2	1684.6	1665.8
40°	1802.2	1772.9	1680.4	1600.8	1582.0
42.5°	1723.5	1690.9	1596.5	1517.0	1496.5
45°	1601.3	1567.8	1473.0	1395.5	1374.6
47.5°	1485.0	1442.3	1350.3	1273.3	1252.4
50°	1404.6	1358.6	1269.9	1194.6	1173.7
52.5°	1322.5	1274.8	1189.5	1117.6	1096.7
55°	1197.2	1153.3	1068.9	1002.2	983.4
57.5°	1073.2	1031.0	953.9	890.2	871.8
60°	987.7	952.2	878.7	818.4	801.7
62.5°	905.6	873.4	803.4	748.3	731.6
65°	784.6	755.3	692.7	643.2	630.7
67.5°	667.0	637.7	587.1	542.7	528.5
70°	590.0	560.8	515.2	474.3	461.8
72.5°	516.5	485.6	448.5	411.1	401.9
75°	406.2	381.1	352.7	324.8	316.4
77.5°	308.7	284.5	263.8	244.1	242.0
80°	243.7	222.8	207.4	194.5	192.4
82.5°	182.1	166.3	156.1	146.6	146.2
85°	94.1	87.8	85.5	74.7	70.5
87.5°	27.4	27.4	23.9	20.9	20.9
90°	0.0	0.0	0.0	1.9	1.9
92.5°	29.4	11.2	7.7	11.2	11.2
95°	106.2	30.7	32.8	21.2	19.3
97.5°	220.6	49.5	47.5	52.2	54.1
100°	307.1	101.2	52.1	59.9	61.8
102.5°	402.9	381.3	53.7	64.6	68.0
105°	556.2	577.0	57.9	67.7	71.5
107.5°	706.8	727.6	269.6	70.0	73.8
110°	807.3	828.0	853.6	71.5	75.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	901.5	926.8	946.3	159.2	78.4
115°	1052.5	1075.2	1085.4	1097.9	629.6
117.5°	1185.8	1213.8	1225.2	1246.9	1268.1
120°	1278.5	1304.9	1313.3	1335.0	1357.7
122.5°	1369.7	1393.1	1398.2	1423.1	1444.2
125°	1494.8	1521.2	1521.9	1547.4	1568.2
127.5°	1620.0	1642.6	1641.6	1660.7	1683.7
130°	1703.4	1718.5	1718.8	1734.8	1759.4
132.5°	1772.9	1794.1	1794.5	1807.5	1832.0
135°	1881.1	1903.7	1900.4	1912.5	1937.1
137.5°	1982.7	2004.6	1998.5	2008.7	2034.0
140°	2049.1	2068.0	2058.7	2069.0	2097.4
142.5°	2110.9	2129.8	2115.9	2124.7	2154.5
145°	2201.7	2218.7	2203.6	2206.2	2234.5
147.5°	2282.4	2299.0	2280.8	2283.4	2309.8
150°	2334.9	2350.0	2327.2	2329.7	2356.2
152.5°	2381.3	2394.9	2370.5	2370.0	2401.0
155°	2445.0	2460.1	2433.4	2428.4	2462.4
157.5°	2502.9	2516.9	2490.2	2486.5	2513.0
160°	2541.6	2551.0	2524.2	2519.0	2545.4
162.5°	2567.8	2578.8	2552.0	2543.7	2570.1
165°	2607.2	2614.8	2587.9	2576.9	2603.4
167.5°	2641.2	2649.9	2615.3	2605.6	2633.9
170°	2661.3	2667.0	2632.3	2619.5	2647.8
172.5°	2673.7	2677.8	2643.2	2628.5	2647.8
175°	2684.5	2690.1	2655.5	2638.4	2651.6
177.5°	2686.4	2689.4	2663.2	2648.3	2671.0
180°	2671.0	2671.0	2671.0	2671.0	2671.0



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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	17.71	18.53	18.71	19.53	20.86	16.61	17.43	17.61	18.43	19.76
	3H	19.36	20.09	20.36	21.10	22.45	18.14	18.87	19.14	19.88	21.23
	4H	19.98	20.67	21.00	21.69	23.05	18.71	19.40	19.73	20.42	21.77
	6H	20.38	21.02	21.41	22.04	23.41	19.08	19.72	20.11	20.74	22.10
	8H	20.53	21.14	21.56	22.17	23.54	19.22	19.82	20.25	20.86	22.22
	12H	20.60	21.18	21.64	22.21	23.60	19.28	19.86	20.32	20.89	22.27
4H	2H	18.12	18.81	19.14	19.83	21.18	17.24	17.94	18.27	18.95	20.31
	3H	19.98	20.56	21.01	21.60	22.97	18.97	19.55	20.00	20.59	21.96
	4H	20.73	21.26	21.76	22.29	23.68	19.65	20.17	20.68	21.21	22.60
	6H	21.24	21.70	22.29	22.76	24.14	20.12	20.57	21.17	21.63	23.02
	8H	21.45	21.87	22.50	22.92	24.33	20.31	20.73	21.36	21.78	23.19
	12H	21.55	21.94	22.62	23.00	24.41	20.39	20.78	21.46	21.84	23.25
8H	4H	20.88	21.30	21.93	22.36	23.76	19.92	20.34	20.96	21.39	22.79
	6H	21.52	21.87	22.59	22.96	24.36	20.52	20.87	21.59	21.96	23.36
	8H	21.81	22.12	22.89	23.19	24.61	20.79	21.10	21.87	22.18	23.60
	12H	21.98	22.25	23.07	23.33	24.79	20.94	21.21	22.02	22.28	23.74
12H	4H	20.86	21.24	21.92	22.31	23.71	19.92	20.30	20.98	21.37	22.77
	6H	21.55	21.86	22.63	22.93	24.35	20.58	20.89	21.66	21.97	23.39
	8H	21.86	22.13	22.95	23.21	24.67	20.89	21.16	21.97	22.23	23.69