

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: P1439256

Luminaire Tested: CB3-085U-085D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439256  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-085U-085D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

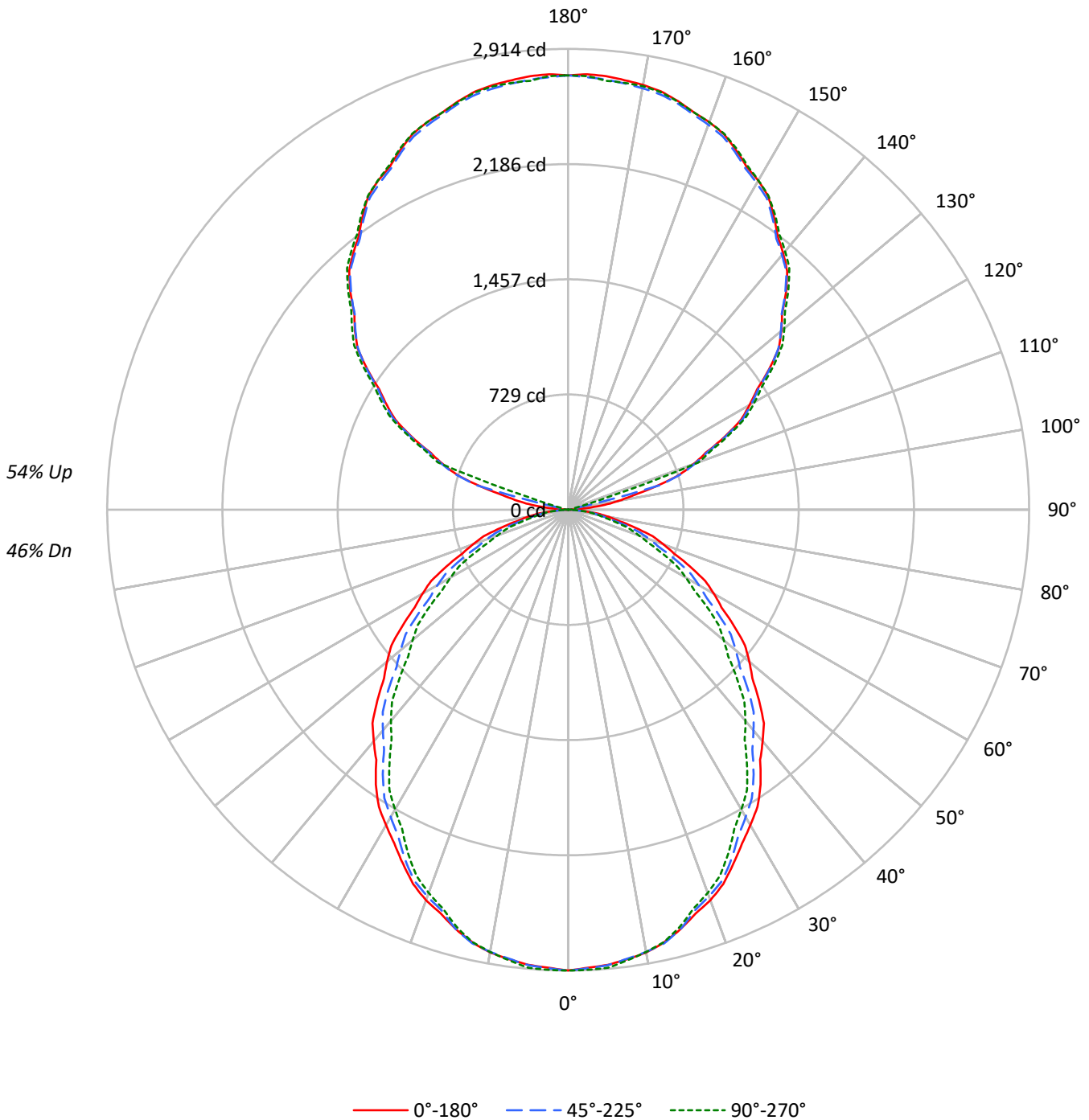
Lumens per Lamp: N/A  
Luminaire Lumens: 15080.3 lumens  
Efficiency: N/A  
Efficacy: 139.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 108.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	35	33	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	32	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	32	26	22	28	23	19	24	20	17	20	17	14	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16484	16484	16484
5°	16406	16418	16511
10°	16334	16310	16310
15°	16084	16084	15987
20°	15823	15660	15523
25°	15424	15230	14959
30°	15046	14654	14302
35°	14649	14106	13606
40°	14121	13449	12868
45°	13643	12864	12070
50°	13150	12167	11292
55°	12614	11492	10553
60°	12035	10794	9717
65°	11358	10001	8836
70°	10576	9071	7873
75°	9589	7961	7012
80°	8360	6675	6203
85°	6446	5641	5641

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13643 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.9	1.8
10°-20°	772.4	5.1
20°-30°	1122.1	7.4
30°-40°	1275.8	8.5
40°-50°	1238.5	8.2
50°-60°	1045.7	6.9
60°-70°	744.0	4.9
70°-80°	397.5	2.6
80°-90°	105.1	0.7
90°-100°	63.4	0.4
100°-110°	459.3	3.0
110°-120°	1091.9	7.2
120°-130°	1395.0	9.3
130°-140°	1504.7	10.0
140°-150°	1418.5	9.4
150°-160°	1157.1	7.7
160°-170°	754.0	5.0
170°-180°	260.6	1.7
0°-30°	2169.4	14.4
0°-40°	3445.2	22.8
0°-60°	5729.4	38.0
0°-90°	6975.9	46.3
90°-120°	1614.6	10.7
90°-150°	5932.7	39.3
90°-180°	8104.0	53.7
0°-180°	15080.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2914	2914	2914	2914	2914	
5°	2889	2925	2891	2887	2908	274
15°	2746	2770	2746	2730	2730	774
25°	2471	2479	2440	2406	2396	1138
35°	2121	2101	2042	1982	1970	1322
45°	1705	1679	1608	1531	1509	1315
55°	1279	1244	1165	1090	1070	1143
65°	848	818	747	680	660	840
75°	439	414	364	327	321	468
85°	99	91	87	87	87	118
90°	0	0	0	2	0	8
95°	116	21	27	29	29	143
105°	582	590	598	44	46	613
115°	1091	1099	1101	1118	1124	1076
125°	1550	1560	1556	1573	1583	1383
135°	1947	1957	1941	1956	1968	1500
145°	2266	2280	2252	2266	2278	1418
155°	2510	2530	2496	2502	2518	1158
165°	2676	2690	2661	2653	2672	756
175°	2752	2766	2730	2715	2723	262
180°	2746	2746	2746	2746	2746	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2913.7	2913.7	2913.7	2913.7	2913.7
2.5°	2898.8	2928.0	2902.1	2905.6	2912.1
5°	2888.9	2925.3	2891.0	2887.3	2907.5
7.5°	2866.5	2899.7	2864.1	2855.8	2874.0
10°	2843.4	2879.8	2839.2	2829.1	2839.2
12.5°	2802.0	2840.0	2807.8	2791.0	2799.5
15°	2746.1	2770.4	2746.1	2729.6	2729.6
17.5°	2677.8	2703.3	2657.5	2645.8	2641.4
20°	2628.2	2650.4	2601.2	2584.6	2578.5
22.5°	2561.9	2582.6	2541.6	2513.3	2505.6
25°	2470.9	2479.0	2439.8	2406.5	2396.4
27.5°	2379.4	2381.4	2327.7	2287.2	2273.9
30°	2303.3	2305.3	2243.2	2199.6	2189.4
32.5°	2227.1	2221.0	2162.1	2110.2	2103.3
35°	2121.1	2100.9	2042.5	1982.2	1970.1
37.5°	1993.3	1981.1	1912.1	1851.7	1833.5
40°	1912.1	1891.9	1821.1	1760.7	1742.4
42.5°	1831.0	1807.5	1735.0	1667.9	1648.1
45°	1705.2	1678.9	1607.9	1530.9	1508.6
47.5°	1578.5	1549.8	1471.8	1397.1	1372.4
50°	1494.1	1463.8	1382.4	1309.3	1283.0
52.5°	1408.0	1376.1	1294.6	1220.1	1198.6
55°	1278.9	1244.5	1165.1	1090.1	1069.9
57.5°	1149.8	1115.8	1036.8	965.9	941.6
60°	1063.7	1031.3	954.0	883.1	858.8
62.5°	975.9	945.2	869.6	800.3	777.7
65°	848.5	818.1	747.1	680.4	660.1
67.5°	722.2	696.3	626.2	565.0	548.8
70°	639.4	615.2	548.4	492.2	476.0
72.5°	560.0	534.1	470.6	422.7	411.4
75°	438.7	414.4	364.2	326.8	320.8
77.5°	327.8	308.0	264.5	243.3	240.1
80°	256.6	238.4	204.9	190.4	190.4
82.5°	190.4	175.4	153.6	147.3	147.3
85°	99.3	91.2	86.9	86.9	86.9
87.5°	29.8	29.8	28.1	26.9	26.5
90°	0.0	0.0	0.0	2.0	0.0
92.5°	31.5	12.0	9.9	12.0	11.6
95°	115.9	20.8	26.9	29.0	29.0
97.5°	233.4	229.0	31.5	37.7	38.1
100°	322.8	332.9	33.1	39.4	41.4
102.5°	422.2	430.7	61.3	41.0	43.0
105°	581.5	589.6	598.1	43.5	45.5
107.5°	740.0	746.1	751.6	676.6	253.3
110°	844.3	850.4	852.6	873.4	877.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	942.0	949.7	953.6	971.1	978.4
115°	1090.6	1098.7	1100.9	1117.6	1123.7
117.5°	1231.7	1240.2	1244.1	1257.6	1267.3
120°	1324.4	1334.5	1336.8	1353.6	1361.7
122.5°	1415.5	1427.2	1426.2	1441.4	1452.7
125°	1550.0	1560.1	1556.2	1573.0	1583.1
127.5°	1677.9	1683.9	1675.4	1695.9	1704.4
130°	1759.0	1765.1	1754.9	1773.7	1783.8
132.5°	1833.5	1842.8	1831.0	1848.2	1858.3
135°	1947.3	1957.4	1941.1	1955.9	1968.0
137.5°	2048.7	2060.9	2041.3	2058.5	2069.0
140°	2114.9	2127.1	2102.5	2121.4	2133.6
142.5°	2176.2	2191.6	2162.1	2179.4	2193.2
145°	2266.0	2280.2	2251.5	2266.3	2278.4
147.5°	2351.3	2363.4	2336.0	2346.5	2355.0
150°	2402.6	2414.7	2384.0	2394.5	2404.7
152.5°	2444.0	2461.0	2430.3	2437.7	2452.7
155°	2510.2	2530.4	2495.7	2502.3	2518.5
157.5°	2571.0	2589.2	2554.5	2560.2	2574.3
160°	2607.5	2625.7	2590.9	2593.3	2607.5
162.5°	2635.6	2652.2	2622.4	2618.2	2635.6
165°	2675.7	2689.9	2661.3	2653.4	2671.6
167.5°	2709.3	2725.5	2690.2	2683.7	2704.3
170°	2727.5	2743.7	2706.8	2696.9	2719.2
172.5°	2739.1	2753.6	2718.4	2705.1	2722.5
175°	2752.3	2766.5	2729.6	2715.3	2723.3
177.5°	2756.0	2767.4	2737.8	2725.0	2744.5
180°	2746.1	2746.1	2746.1	2746.1	2746.1



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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	16.53	17.35	17.52	18.35	19.67	15.45	16.27	16.44	17.27	18.59
	3H	18.19	18.92	19.19	19.94	21.28	16.86	17.59	17.86	18.60	19.95
	4H	18.82	19.51	19.83	20.53	21.88	17.38	18.07	18.39	19.08	20.44
	6H	19.20	19.84	20.23	20.86	22.23	17.69	18.33	18.72	19.35	20.71
	8H	19.34	19.95	20.37	20.98	22.34	17.81	18.42	18.84	19.46	20.82
	12H	19.40	19.98	20.44	21.01	22.40	17.89	18.47	18.92	19.49	20.88
4H	2H	16.93	17.63	17.95	18.64	19.99	16.07	16.77	17.09	17.78	19.13
	3H	18.82	19.40	19.85	20.44	21.80	17.69	18.27	18.72	19.31	20.68
	4H	19.56	20.09	20.60	21.13	22.52	18.29	18.82	19.33	19.86	21.25
	6H	20.06	20.52	21.11	21.58	22.96	18.70	19.16	19.75	20.21	21.60
	8H	20.25	20.68	21.30	21.73	23.13	18.87	19.30	19.92	20.35	21.75
	12H	20.35	20.73	21.42	21.80	23.20	18.97	19.36	20.04	20.42	21.83
8H	4H	19.69	20.11	20.74	21.16	22.57	18.55	18.98	19.60	20.03	21.43
	6H	20.31	20.66	21.38	21.75	23.15	19.08	19.43	20.15	20.52	21.92
	8H	20.58	20.89	21.66	21.97	23.38	19.33	19.64	20.41	20.71	22.13
	12H	20.74	21.02	21.83	22.09	23.55	19.50	19.77	20.59	20.85	22.30
12H	4H	19.66	20.04	20.73	21.11	22.51	18.55	18.93	19.62	20.00	21.41
	6H	20.32	20.63	21.40	21.71	23.13	19.13	19.44	20.21	20.52	21.94
	8H	20.62	20.89	21.70	21.96	23.42	19.41	19.69	20.50	20.76	22.21