

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: P1438720

Luminaire Tested: CB2-085U-055D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438720  
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-055D-930-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

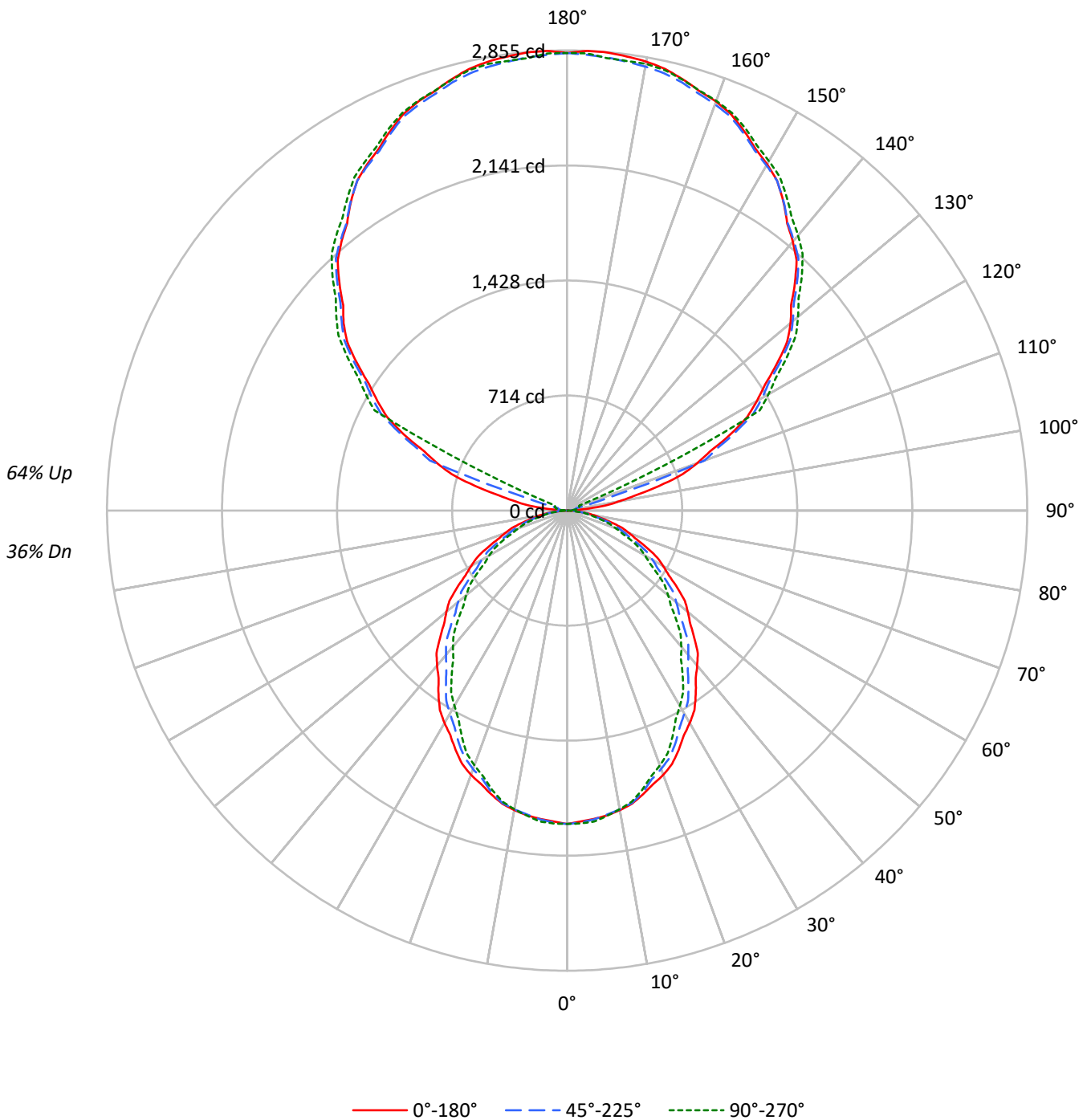
Lumens per Lamp: N/A  
Luminaire Lumens: 12627.4 lumens  
Efficiency: N/A  
Efficacy: 133.9 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 94.3  
Input Voltage (V): 120  
Input Current (Ain): 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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	37	37	30
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	32	31	26
3	79	70	63	57	71	63	57	52	51	47	43	40	37	35	30	28	27	22
4	72	62	54	48	65	56	50	44	46	41	37	36	33	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12
9	49	37	29	25	44	34	27	23	28	23	19	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	20	26	21	17	21	17	15	16	13	12	10

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

	0°	45°	90°
0°	16930	16930	16930
5°	16786	16812	16930
10°	16691	16651	16638
15°	16427	16320	16185
20°	16168	15810	15588
25°	15734	15290	14861
30°	15298	14624	14070
35°	14797	13942	13277
40°	14265	13301	12522
45°	13731	12631	11788
50°	13250	11979	11072
55°	12657	11301	10396
60°	11978	10656	9722
65°	11257	9938	9048
70°	10460	9133	8186
75°	9516	8264	7413
80°	8511	7242	6720
85°	6545	5945	4906

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13731 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.8	1.4
10°-20°	509.6	4.0
20°-30°	732.7	5.8
30°-40°	823.6	6.5
40°-50°	795.6	6.3
50°-60°	672.2	5.3
60°-70°	482.8	3.8
70°-80°	263.9	2.1
80°-90°	70.2	0.6
90°-100°	49.5	0.4
100°-110°	314.9	2.5
110°-120°	1000.4	7.9
120°-130°	1451.7	11.5
130°-140°	1561.3	12.4
140°-150°	1470.0	11.6
150°-160°	1197.5	9.5
160°-170°	779.4	6.2
170°-180°	269.4	2.1
0°-30°	1425.1	11.3
0°-40°	2248.7	17.8
0°-60°	3716.5	29.4
0°-90°	4533.4	35.9
90°-120°	1364.7	10.8
90°-150°	5847.6	46.3
90°-180°	8094.0	64.1
0°-180°	12627.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1944	1944	1944	1944	1944	
5°	1920	1946	1923	1924	1937	182
15°	1822	1838	1810	1792	1795	514
25°	1637	1639	1591	1555	1547	754
35°	1392	1376	1311	1260	1249	869
45°	1115	1092	1026	972	957	861
55°	834	803	744	698	685	745
65°	546	526	482	448	439	542
75°	283	265	246	226	220	302
85°	66	61	60	52	49	78
90°	0	0	0	2	2	7
95°	113	33	35	22	20	143
105°	591	613	62	72	76	623
115°	1119	1143	1154	1167	669	1100
125°	1589	1617	1617	1645	1667	1420
135°	1999	2023	2020	2033	2059	1542
145°	2340	2358	2342	2345	2375	1463
155°	2598	2615	2586	2581	2617	1198
165°	2771	2779	2750	2739	2767	783
175°	2853	2859	2822	2804	2818	271
180°	2839	2839	2839	2839	2839	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1944.0	1944.0	1944.0	1944.0	1944.0
2.5°	1930.9	1954.2	1936.9	1939.3	1942.8
5°	1920.2	1946.4	1923.2	1923.5	1936.6
7.5°	1906.5	1931.3	1902.1	1896.7	1908.9
10°	1887.5	1912.2	1883.0	1872.8	1881.5
12.5°	1862.5	1886.0	1858.0	1841.8	1849.4
15°	1822.0	1838.0	1810.1	1792.3	1795.2
17.5°	1777.9	1787.8	1747.5	1732.6	1729.7
20°	1744.6	1753.3	1705.9	1685.0	1682.0
22.5°	1701.7	1709.3	1659.4	1633.7	1629.6
25°	1637.4	1638.8	1591.2	1555.3	1546.6
27.5°	1570.1	1565.5	1512.7	1470.1	1458.8
30°	1521.3	1515.5	1454.3	1409.4	1399.2
32.5°	1468.9	1458.4	1397.1	1348.7	1338.5
35°	1391.8	1375.8	1311.4	1260.5	1248.9
37.5°	1309.6	1291.6	1228.3	1173.0	1159.9
40°	1254.8	1234.5	1170.0	1114.6	1101.5
42.5°	1200.1	1177.4	1111.6	1056.2	1042.0
45°	1114.9	1091.6	1025.6	971.7	957.1
47.5°	1033.9	1004.2	940.2	886.5	872.0
50°	978.0	945.9	884.2	831.8	817.2
52.5°	920.8	887.6	828.2	778.2	763.6
55°	833.6	803.0	744.3	697.8	684.7
57.5°	747.2	717.8	664.2	619.8	607.0
60°	687.7	663.0	611.8	569.8	558.2
62.5°	630.5	608.1	559.4	521.0	509.4
65°	546.3	525.9	482.3	447.9	439.1
67.5°	464.4	444.0	408.8	377.9	368.0
70°	410.8	390.5	358.7	330.3	321.5
72.5°	359.6	338.1	312.3	286.2	279.8
75°	282.8	265.4	245.6	226.1	220.3
77.5°	214.9	198.1	183.7	170.0	168.5
80°	169.7	155.1	144.4	135.4	134.0
82.5°	126.8	115.8	108.7	102.1	101.8
85°	65.5	61.1	59.5	52.0	49.1
87.5°	19.1	19.1	16.7	14.7	14.7
90°	0.0	0.0	0.0	2.1	2.1
92.5°	31.2	11.9	8.2	11.9	11.9
95°	112.9	32.6	34.9	22.5	20.5
97.5°	234.4	52.6	50.5	55.5	57.5
100°	326.4	107.6	55.4	63.7	65.7
102.5°	428.2	405.3	57.1	68.6	72.2
105°	591.1	613.2	61.6	71.9	75.9
107.5°	751.2	773.3	286.5	74.4	78.4
110°	858.0	880.0	907.2	76.0	80.0

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	958.1	985.0	1005.7	169.2	83.3
115°	1118.6	1142.7	1153.5	1166.8	669.1
117.5°	1260.3	1290.0	1302.1	1325.2	1347.7
120°	1358.8	1386.9	1395.7	1418.8	1442.9
122.5°	1455.7	1480.5	1486.0	1512.4	1534.9
125°	1588.7	1616.8	1617.4	1644.6	1666.7
127.5°	1721.7	1745.7	1744.6	1764.9	1789.4
130°	1810.3	1826.4	1826.7	1843.8	1869.9
132.5°	1884.2	1906.7	1907.2	1920.9	1947.0
135°	1999.2	2023.2	2019.7	2032.6	2058.7
137.5°	2107.1	2130.4	2124.0	2134.8	2161.7
140°	2177.7	2197.8	2188.0	2198.9	2229.0
142.5°	2243.4	2263.5	2248.7	2258.1	2289.8
145°	2339.9	2357.9	2341.9	2344.7	2374.8
147.5°	2425.7	2443.3	2424.0	2426.7	2454.8
150°	2481.5	2497.6	2473.3	2476.0	2504.1
152.5°	2530.8	2545.2	2519.3	2518.8	2551.7
155°	2598.5	2614.6	2586.2	2580.8	2617.0
157.5°	2660.1	2674.9	2646.5	2642.7	2670.7
160°	2701.1	2711.2	2682.7	2677.1	2705.2
162.5°	2729.0	2740.7	2712.2	2703.4	2731.5
165°	2770.9	2778.9	2750.4	2738.7	2766.8
167.5°	2807.0	2816.3	2779.5	2769.1	2799.2
170°	2828.4	2834.4	2797.6	2783.9	2814.0
172.5°	2841.5	2845.9	2809.1	2793.5	2814.0
175°	2853.0	2859.0	2822.2	2804.1	2818.1
177.5°	2855.1	2858.3	2830.4	2814.6	2838.6
180°	2838.6	2838.6	2838.6	2838.6	2838.6



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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	15.36	16.10	16.43	17.17	18.63	14.26	15.00	15.33	16.07	17.53
	3H	17.00	17.66	18.08	18.74	20.22	15.78	16.44	16.86	17.52	19.00
	4H	17.62	18.25	18.71	19.33	20.81	16.35	16.98	17.44	18.06	19.54
	6H	18.02	18.59	19.12	19.68	21.18	16.71	17.29	17.81	18.38	19.87
	8H	18.16	18.71	19.27	19.81	21.30	16.85	17.40	17.95	18.50	19.99
	12H	18.23	18.75	19.34	19.85	21.36	16.91	17.43	18.02	18.53	20.04
4H	2H	15.76	16.38	16.85	17.47	18.95	14.88	15.51	15.98	16.59	18.08
	3H	17.61	18.14	18.72	19.25	20.74	16.61	17.13	17.71	18.24	19.73
	4H	18.35	18.84	19.46	19.93	21.45	17.27	17.75	18.38	18.85	20.37
	6H	18.87	19.28	19.98	20.40	21.91	17.74	18.15	18.86	19.28	20.79
	8H	19.07	19.45	20.19	20.57	22.09	17.93	18.31	19.05	19.43	20.95
	12H	19.17	19.52	20.30	20.64	22.18	18.01	18.36	19.15	19.49	21.02
8H	4H	18.50	18.89	19.62	20.00	21.53	17.54	17.92	18.65	19.04	20.56
	6H	19.14	19.46	20.28	20.61	22.13	18.14	18.45	19.28	19.61	21.13
	8H	19.43	19.71	20.57	20.84	22.39	18.41	18.69	19.56	19.82	21.37
	12H	19.60	19.84	20.75	20.97	22.55	18.56	18.80	19.70	19.93	21.51
12H	4H	18.48	18.82	19.61	19.95	21.48	17.54	17.88	18.67	19.01	20.54
	6H	19.17	19.44	20.31	20.58	22.12	18.20	18.48	19.34	19.61	21.16
	8H	19.48	19.72	20.63	20.85	22.43	18.50	18.74	19.65	19.88	21.46