

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: P1439050

Luminaire Tested: CB2-D-085U-055D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439050  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-D-085U-055D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

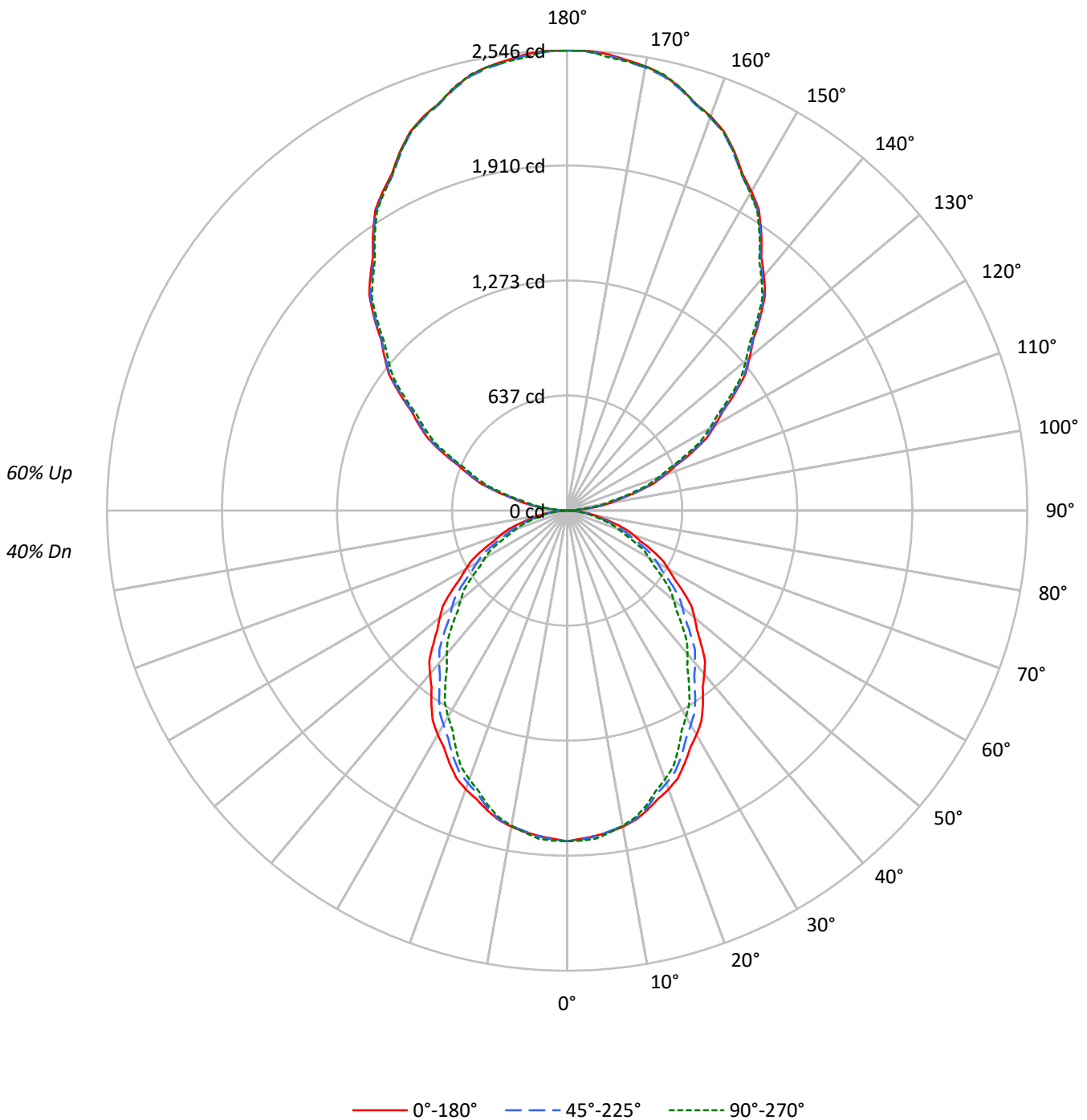
Lumens per Lamp: N/A  
Luminaire Lumens: 10757.9 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 94.3  
Input Voltage (V): 120  
Input Current (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	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28
3	80	70	63	58	72	64	58	53	53	48	45	42	39	37	33	30	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	22	18	22	18	15	17	15	13	11

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

	0°	45°	90°
0°	15930	15930	15930
5°	15795	15819	15930
10°	15705	15668	15656
15°	15456	15355	15229
20°	15213	14875	14668
25°	14805	14387	13983
30°	14394	13761	13240
35°	13923	13118	12493
40°	13423	12515	11782
45°	12921	11885	11092
50°	12467	11272	10417
55°	11908	10633	9782
60°	11271	10025	9148
65°	10592	9351	8515
70°	9844	8594	7702
75°	8954	7776	6975
80°	8009	6816	6324
85°	6155	5596	4616

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12921 cd/sqm



TEST NUMBER: P1439050

CATALOG NUMBER: CB2-D-085U-055D-927-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.0	1.6
10°-20°	479.5	4.5
20°-30°	689.4	6.4
30°-40°	774.9	7.2
40°-50°	748.6	7.0
50°-60°	632.5	5.9
60°-70°	454.3	4.2
70°-80°	248.3	2.3
80°-90°	66.1	0.6
90°-100°	98.4	0.9
100°-110°	405.6	3.8
110°-120°	736.3	6.8
120°-130°	1001.9	9.3
130°-140°	1156.6	10.8
140°-150°	1165.5	10.8
150°-160°	1005.8	9.3
160°-170°	681.7	6.3
170°-180°	240.5	2.2
0°-30°	1341.0	12.5
0°-40°	2115.9	19.7
0°-60°	3496.9	32.5
0°-90°	4265.6	39.7
90°-120°	1240.2	11.5
90°-150°	4564.3	42.4
90°-180°	6492.0	60.3
0°-180°	10757.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1829	1829	1829	1829	1829	
5°	1807	1831	1810	1810	1822	172
15°	1714	1729	1703	1686	1689	483
25°	1541	1542	1497	1463	1455	709
35°	1310	1294	1234	1186	1175	818
45°	1049	1027	965	914	901	811
55°	784	756	700	657	644	701
65°	514	495	454	421	413	510
75°	266	250	231	213	207	285
85°	62	58	56	49	46	73
90°	0	0	2	0	2	6
95°	95	84	79	62	62	111
105°	401	395	385	363	359	426
115°	762	761	747	725	723	752
125°	1134	1146	1122	1098	1100	1012
135°	1511	1529	1503	1476	1485	1164
145°	1872	1894	1865	1843	1857	1170
155°	2190	2212	2180	2167	2184	1007
165°	2421	2446	2415	2401	2423	682
175°	2536	2563	2530	2514	2520	241
180°	2546	2546	2546	2546	2546	

TEST NUMBER: P1439050

CATALOG NUMBER: CB2-D-085U-055D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1829.2	1829.2	1829.2	1829.2	1829.2
2.5°	1816.9	1838.8	1822.5	1824.8	1828.1
5°	1806.8	1831.4	1809.6	1809.9	1822.2
7.5°	1793.9	1817.2	1789.7	1784.6	1796.1
10°	1776.0	1799.3	1771.8	1762.2	1770.4
12.5°	1752.4	1774.6	1748.2	1733.0	1740.1
15°	1714.3	1729.4	1703.1	1686.4	1689.1
17.5°	1672.9	1682.2	1644.3	1630.2	1627.5
20°	1641.5	1649.7	1605.1	1585.4	1582.7
22.5°	1601.2	1608.3	1561.4	1537.2	1533.4
25°	1540.7	1542.0	1497.2	1463.4	1455.2
27.5°	1477.4	1473.0	1423.3	1383.3	1372.6
30°	1431.4	1425.9	1368.4	1326.2	1316.6
32.5°	1382.1	1372.3	1314.6	1269.0	1259.4
35°	1309.6	1294.5	1233.9	1186.1	1175.1
37.5°	1232.3	1215.3	1155.8	1103.7	1091.4
40°	1180.7	1161.5	1100.9	1048.8	1036.4
42.5°	1129.2	1107.8	1046.0	993.8	980.4
45°	1049.1	1027.1	965.0	914.3	900.6
47.5°	972.9	944.9	884.6	834.2	820.5
50°	920.2	890.1	832.0	782.6	768.9
52.5°	866.4	835.2	779.3	732.2	718.5
55°	784.3	755.6	700.3	656.6	644.3
57.5°	703.1	675.4	625.0	583.2	571.2
60°	647.1	623.8	575.6	536.2	525.2
62.5°	593.3	572.2	526.3	490.2	479.3
65°	514.0	494.8	453.8	421.4	413.2
67.5°	437.0	417.8	384.6	355.5	346.2
70°	386.6	367.4	337.5	310.7	302.5
72.5°	338.4	318.1	293.8	269.3	263.3
75°	266.1	249.7	231.1	212.8	207.3
77.5°	202.2	186.4	172.8	159.9	158.5
80°	159.7	146.0	135.9	127.4	126.1
82.5°	119.3	108.9	102.2	96.1	95.8
85°	61.6	57.5	56.0	49.0	46.2
87.5°	17.9	17.9	16.1	13.5	13.8
90°	0.0	0.0	2.0	0.0	2.0
92.5°	23.8	20.7	19.5	12.8	14.7
95°	95.3	83.7	79.4	61.6	61.6
97.5°	179.9	168.3	162.0	143.7	139.8
100°	240.3	228.6	222.4	202.5	198.6
102.5°	302.2	296.8	285.9	264.4	260.5
105°	401.1	395.3	385.2	363.3	359.4
107.5°	502.8	503.9	488.9	470.9	465.4
110°	575.9	573.9	562.0	544.0	540.1



TEST NUMBER: P1439050

CATALOG NUMBER: CB2-D-085U-055D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	650.5	647.0	635.0	617.1	613.2
115°	762.5	760.6	746.6	724.7	722.8
117.5°	868.9	875.2	858.6	835.6	834.8
120°	945.2	953.0	933.3	913.3	909.5
122.5°	1019.9	1029.2	1009.5	986.5	987.3
125°	1133.8	1145.5	1121.9	1098.1	1100.1
127.5°	1243.8	1258.2	1236.3	1212.1	1214.5
130°	1318.5	1336.0	1312.6	1286.8	1290.7
132.5°	1394.8	1412.2	1388.8	1361.6	1368.5
135°	1511.1	1528.6	1503.2	1475.6	1485.3
137.5°	1620.7	1638.2	1610.4	1587.2	1598.9
140°	1693.8	1711.3	1681.9	1660.3	1672.0
142.5°	1765.3	1785.9	1755.0	1731.9	1746.6
145°	1872.5	1893.9	1864.6	1843.0	1856.6
147.5°	1974.2	1995.5	1965.8	1945.1	1959.1
150°	2039.3	2060.7	2029.4	2011.9	2027.4
152.5°	2099.7	2124.1	2091.3	2073.9	2094.1
155°	2190.2	2211.6	2180.3	2166.8	2184.3
157.5°	2268.9	2293.7	2262.5	2250.9	2264.9
160°	2321.3	2344.6	2313.3	2301.8	2317.3
162.5°	2361.0	2385.9	2356.2	2343.2	2361.8
165°	2420.6	2445.8	2414.6	2401.2	2422.6
167.5°	2467.4	2494.2	2462.7	2448.9	2470.6
170°	2496.0	2521.3	2488.1	2472.7	2496.0
172.5°	2515.1	2541.9	2507.2	2491.6	2507.2
175°	2535.7	2562.9	2529.8	2514.0	2519.9
177.5°	2545.7	2567.4	2540.9	2527.0	2545.7
180°	2545.7	2545.7	2545.7	2545.7	2545.7



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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	15.58	16.34	16.62	17.39	18.80	14.48	15.24	15.52	16.29	17.70
	3H	17.21	17.90	18.27	18.96	20.39	16.00	16.68	17.05	17.74	19.17
	4H	17.84	18.49	18.90	19.55	20.99	16.57	17.22	17.63	18.28	19.71
	6H	18.24	18.84	19.31	19.90	21.35	16.93	17.53	18.01	18.59	20.04
	8H	18.38	18.95	19.46	20.03	21.47	17.07	17.64	18.15	18.72	20.16
	12H	18.45	18.99	19.54	20.07	21.53	17.13	17.67	18.21	18.74	20.21
4H	2H	15.97	16.62	17.05	17.68	19.12	15.10	15.75	16.17	16.81	18.25
	3H	17.83	18.38	18.91	19.46	20.91	16.83	17.37	17.90	18.45	19.91
	4H	18.58	19.07	19.66	20.15	21.62	17.50	17.99	18.58	19.07	20.54
	6H	19.09	19.52	20.18	20.62	22.08	17.97	18.39	19.06	19.49	20.96
	8H	19.29	19.69	20.39	20.78	22.27	18.15	18.55	19.25	19.64	21.13
	12H	19.40	19.76	20.51	20.86	22.35	18.24	18.60	19.35	19.70	21.19
8H	4H	18.73	19.12	19.82	20.22	21.70	17.76	18.16	18.85	19.25	20.73
	6H	19.36	19.69	20.48	20.83	22.31	18.36	18.69	19.48	19.83	21.30
	8H	19.65	19.94	20.78	21.06	22.56	18.64	18.92	19.76	20.04	21.54
	12H	19.82	20.08	20.95	21.19	22.73	18.78	19.04	19.91	20.15	21.68
12H	4H	18.70	19.06	19.81	20.17	21.65	17.76	18.12	18.87	19.23	20.71
	6H	19.39	19.68	20.51	20.80	22.29	18.42	18.71	19.55	19.83	21.33
	8H	19.70	19.96	20.83	21.07	22.61	18.73	18.98	19.85	20.09	21.63