

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: P1439329

Luminaire Tested: CB3-125U-055D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439329  
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: CB3-125U-055D-835-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

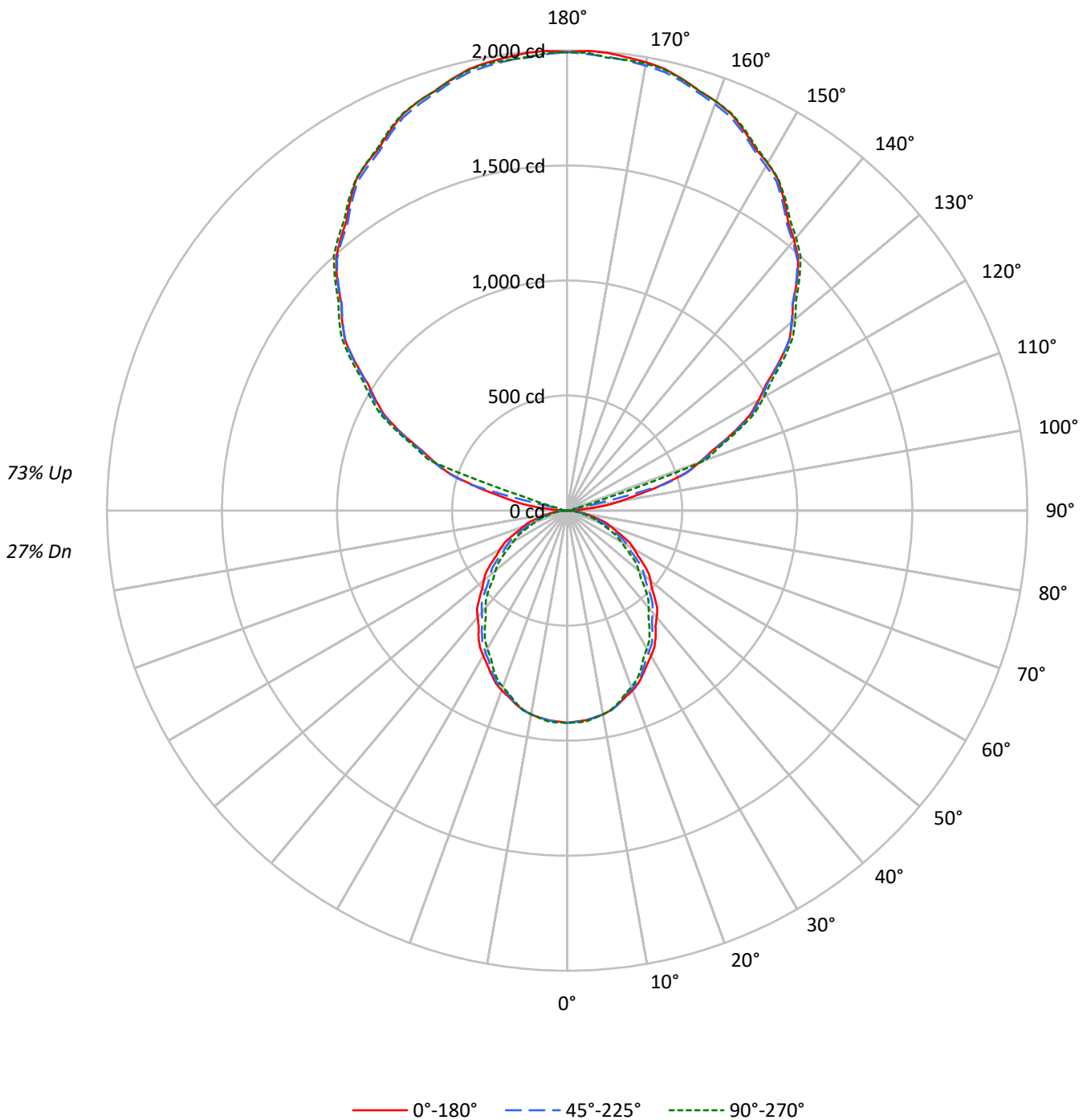
Lumens per Lamp: N/A  
Luminaire Lumens: 8088.6 lumens  
Efficiency: N/A  
Efficacy: 150.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 53.8  
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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	74	62	60	58	46	45	44	31	31	30	23
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	20
3	77	68	61	56	69	61	55	50	48	44	41	36	33	31	25	23	22	17
4	71	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14
5	65	54	46	40	58	48	42	37	38	33	30	29	25	23	20	18	16	13
6	59	48	40	35	53	43	36	32	34	29	26	26	23	20	18	16	14	11
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	36	28	23	42	32	26	22	26	21	18	20	16	14	14	12	10	8
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7

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

	0°	45°	90°
0°	10437	10437	10437
5°	10388	10395	10455
10°	10343	10328	10328
15°	10184	10184	10122
20°	10018	9916	9829
25°	9765	9643	9472
30°	9527	9279	9055
35°	9275	8931	8615
40°	8942	8515	8147
45°	8637	8145	7642
50°	8326	7703	7150
55°	7987	7275	6681
60°	7619	6834	6153
65°	7191	6332	5595
70°	6696	5743	4985
75°	6072	5040	4437
80°	5291	4229	3929
85°	4076	3570	3570

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8637 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.0	1.1
10°-20°	244.5	3.0
20°-30°	355.3	4.4
30°-40°	403.9	5.0
40°-50°	392.1	4.8
50°-60°	331.0	4.1
60°-70°	235.5	2.9
70°-80°	125.8	1.6
80°-90°	33.3	0.4
90°-100°	46.0	0.6
100°-110°	333.2	4.1
110°-120°	792.2	9.8
120°-130°	1012.1	12.5
130°-140°	1091.7	13.5
140°-150°	1029.2	12.7
150°-160°	839.6	10.4
160°-170°	547.0	6.8
170°-180°	189.1	2.3
0°-30°	686.8	8.5
0°-40°	1090.7	13.5
0°-60°	1813.8	22.4
0°-90°	2208.5	27.3
90°-120°	1171.4	14.5
90°-150°	4304.5	53.2
90°-180°	5880.0	72.7
0°-180°	8088.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	915	926	915	914	920	87
15°	869	877	869	864	864	245
25°	782	785	772	762	759	360
35°	672	665	647	628	624	418
45°	540	532	509	485	478	416
55°	405	394	369	345	339	362
65°	269	259	236	215	209	266
75°	139	131	115	104	102	148
85°	31	29	28	28	28	37
90°	0	0	0	2	0	4
95°	84	15	20	21	21	104
105°	422	428	434	32	33	445
115°	791	797	799	811	815	781
125°	1125	1132	1129	1141	1149	1004
135°	1413	1420	1408	1419	1428	1088
145°	1644	1654	1634	1644	1653	1029
155°	1821	1836	1811	1816	1827	840
165°	1941	1952	1931	1925	1938	548
175°	1997	2007	1980	1970	1976	190
180°	1992	1992	1992	1992	1992	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	922.4	922.4	922.4	922.4	922.4
2.5°	917.7	927.0	918.8	919.9	921.9
5°	914.6	926.1	915.2	914.1	920.5
7.5°	907.5	918.0	906.7	904.1	909.9
10°	900.2	911.7	898.9	895.7	898.9
12.5°	887.1	899.1	888.9	883.6	886.3
15°	869.4	877.1	869.4	864.1	864.1
17.5°	847.8	855.8	841.3	837.6	836.2
20°	832.0	839.1	823.5	818.2	816.3
22.5°	811.1	817.6	804.7	795.7	793.3
25°	782.2	784.8	772.4	761.9	758.7
27.5°	753.3	753.9	736.9	724.1	719.9
30°	729.2	729.8	710.2	696.3	693.1
32.5°	705.1	703.1	684.5	668.1	665.9
35°	671.5	665.1	646.6	627.5	623.7
37.5°	631.0	627.2	605.4	586.2	580.5
40°	605.4	598.9	576.5	557.4	551.6
42.5°	579.7	572.2	549.3	528.0	521.8
45°	539.8	531.5	509.0	484.6	477.6
47.5°	499.7	490.6	465.9	442.3	434.5
50°	473.0	463.4	437.6	414.5	406.2
52.5°	445.8	435.6	409.9	386.3	379.5
55°	404.9	394.0	368.8	345.1	338.7
57.5°	364.0	353.2	328.2	305.8	298.1
60°	336.7	326.5	302.0	279.6	271.9
62.5°	309.0	299.2	275.3	253.4	246.2
65°	268.6	259.0	236.5	215.4	209.0
67.5°	228.6	220.4	198.2	178.9	173.7
70°	202.4	194.8	173.6	155.8	150.7
72.5°	177.3	169.1	149.0	133.8	130.2
75°	138.9	131.2	115.3	103.5	101.5
77.5°	103.8	97.5	83.7	77.0	76.0
80°	81.2	75.5	64.9	60.3	60.3
82.5°	60.3	55.5	48.6	46.6	46.6
85°	31.4	28.9	27.5	27.5	27.5
87.5°	9.4	9.4	8.9	8.7	8.4
90°	0.0	0.0	0.0	1.5	0.0
92.5°	22.8	8.7	7.2	8.7	8.4
95°	84.1	15.1	19.5	21.0	21.0
97.5°	169.4	166.1	22.8	27.3	27.6
100°	234.2	241.6	24.0	28.6	30.0
102.5°	306.3	312.5	44.4	29.8	31.2
105°	421.9	427.8	433.9	31.6	33.0
107.5°	536.9	541.3	545.3	490.9	183.8
110°	612.6	617.0	618.6	633.7	636.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	683.5	689.0	691.9	704.6	709.9
115°	791.3	797.1	798.8	810.9	815.3
117.5°	893.7	899.8	902.7	912.5	919.5
120°	960.9	968.3	970.0	982.1	988.0
122.5°	1027.0	1035.5	1034.8	1045.8	1054.0
125°	1124.6	1131.9	1129.1	1141.3	1148.6
127.5°	1217.4	1221.8	1215.6	1230.4	1236.6
130°	1276.3	1280.7	1273.2	1286.9	1294.3
132.5°	1330.3	1337.1	1328.5	1341.0	1348.3
135°	1412.9	1420.2	1408.4	1419.1	1427.9
137.5°	1486.5	1495.3	1481.1	1493.5	1501.2
140°	1534.5	1543.3	1525.5	1539.2	1548.0
142.5°	1578.9	1590.1	1568.7	1581.3	1591.3
145°	1644.1	1654.4	1633.6	1644.3	1653.1
147.5°	1706.0	1714.8	1694.9	1702.5	1708.7
150°	1743.2	1752.0	1729.7	1737.4	1744.7
152.5°	1773.2	1785.6	1763.3	1768.7	1779.5
155°	1821.3	1836.0	1810.8	1815.5	1827.3
157.5°	1865.4	1878.6	1853.4	1857.6	1867.8
160°	1891.9	1905.1	1879.8	1881.6	1891.9
162.5°	1912.3	1924.3	1902.7	1899.6	1912.3
165°	1941.4	1951.7	1930.9	1925.2	1938.4
167.5°	1965.7	1977.5	1951.9	1947.1	1962.1
170°	1978.9	1990.7	1963.9	1956.8	1972.9
172.5°	1987.3	1997.9	1972.3	1962.7	1975.3
175°	1997.0	2007.2	1980.4	1970.1	1975.9
177.5°	1999.7	2007.9	1986.4	1977.2	1991.3
180°	1992.5	1992.5	1992.5	1992.5	1992.5



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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	12.70	13.38	13.83	14.50	16.07	11.62	12.30	12.75	13.43	14.99
	3H	14.35	14.96	15.49	16.09	17.67	13.02	13.63	14.16	14.76	16.34
	4H	14.97	15.55	16.12	16.68	18.27	13.53	14.11	14.68	15.24	16.82
	6H	15.35	15.88	16.51	17.02	18.61	13.84	14.37	14.99	15.50	17.10
	8H	15.48	15.99	16.64	17.14	18.72	13.95	14.46	15.11	15.61	17.20
	12H	15.54	16.02	16.71	17.17	18.78	14.02	14.51	15.19	15.65	17.26
4H	2H	13.08	13.66	14.24	14.79	16.38	12.23	12.81	13.38	13.94	15.52
	3H	14.96	15.44	16.12	16.60	18.19	13.83	14.31	14.99	15.47	17.06
	4H	15.70	16.14	16.86	17.29	18.90	14.43	14.87	15.59	16.02	17.63
	6H	16.19	16.57	17.36	17.74	19.34	14.83	15.21	16.00	16.38	17.98
	8H	16.38	16.73	17.55	17.89	19.51	15.00	15.35	16.16	16.51	18.13
	12H	16.47	16.79	17.65	17.96	19.59	15.09	15.41	16.28	16.58	18.21
8H	4H	15.81	16.17	16.98	17.33	18.95	14.67	15.03	15.84	16.19	17.81
	6H	16.43	16.72	17.61	17.92	19.54	15.20	15.49	16.38	16.69	18.31
	8H	16.70	16.95	17.89	18.13	19.77	15.45	15.70	16.64	16.88	18.52
	12H	16.86	17.08	18.05	18.26	19.93	15.61	15.84	16.81	17.02	18.69
12H	4H	15.78	16.10	16.96	17.27	18.90	14.67	14.99	15.85	16.16	17.79
	6H	16.44	16.70	17.63	17.88	19.51	15.25	15.51	16.45	16.69	18.33
	8H	16.73	16.96	17.93	18.13	19.80	15.52	15.75	16.72	16.93	18.60