

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: P1439330

Luminaire Tested: CB3-125U-055D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439330  
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-8  
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**

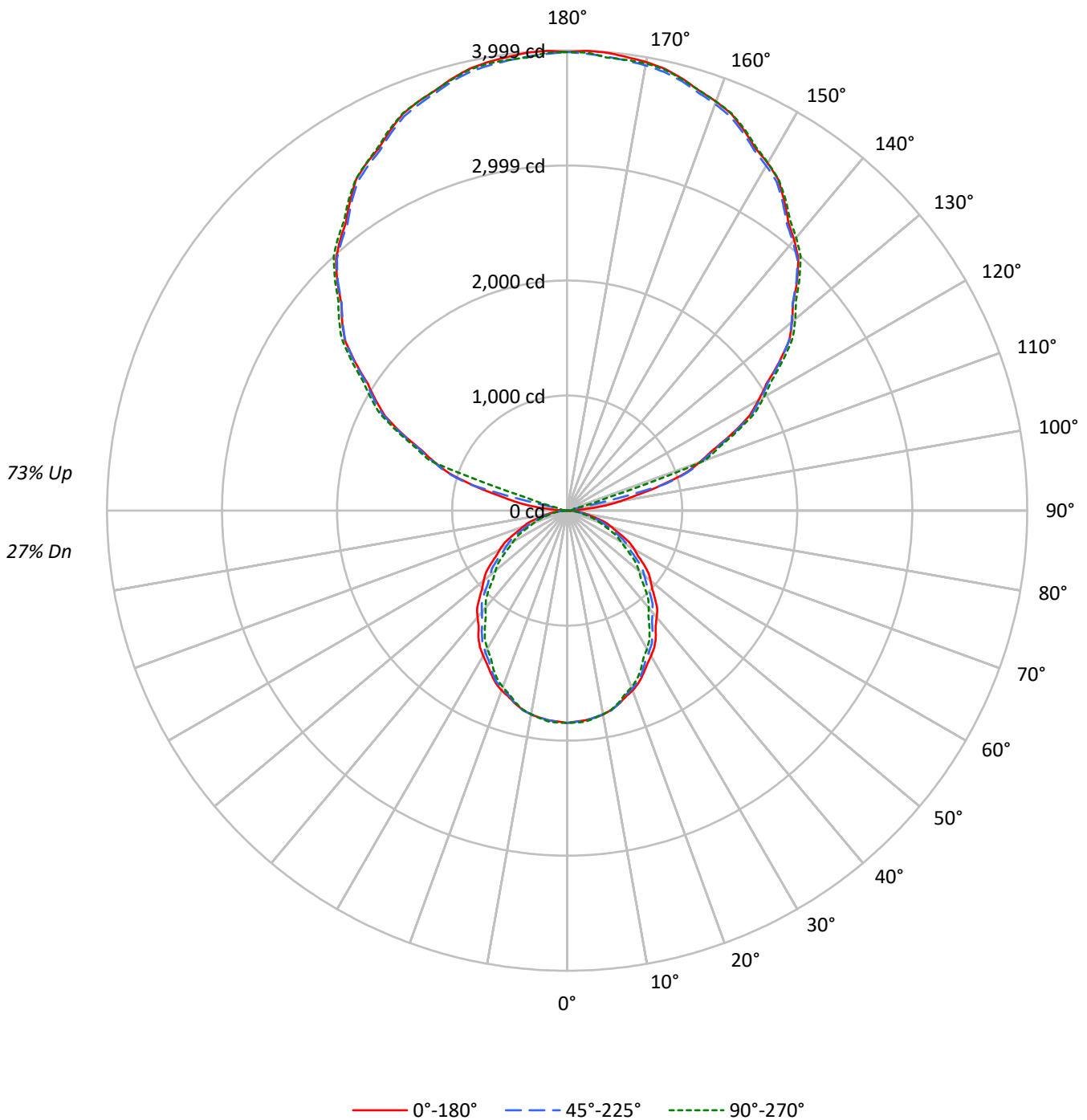
Lumens per Lamp: N/A  
Luminaire Lumens: 16177.4 lumens  
Efficiency: N/A  
Efficacy: 129.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 125.3  
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	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°	10342	10327	10327
15°	10184	10184	10122
20°	10018	9916	9829
25°	9766	9643	9471
30°	9527	9279	9056
35°	9275	8932	8615
40°	8941	8516	8148
45°	8638	8145	7642
50°	8326	7704	7150
55°	7987	7276	6681
60°	7620	6834	6153
65°	7191	6332	5595
70°	6697	5743	4985
75°	6072	5040	4439
80°	5294	4225	3926
85°	4083	3570	3570

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8638 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.1	1.1
10°-20°	489.0	3.0
20°-30°	710.5	4.4
30°-40°	807.8	5.0
40°-50°	784.2	4.8
50°-60°	662.1	4.1
60°-70°	471.1	2.9
70°-80°	251.7	1.6
80°-90°	66.6	0.4
90°-100°	92.0	0.6
100°-110°	666.4	4.1
110°-120°	1584.4	9.8
120°-130°	2024.2	12.5
130°-140°	2183.4	13.5
140°-150°	2058.4	12.7
150°-160°	1679.1	10.4
160°-170°	1094.1	6.8
170°-180°	378.2	2.3
0°-30°	1373.6	8.5
0°-40°	2181.4	13.5
0°-60°	3627.7	22.4
0°-90°	4417.1	27.3
90°-120°	2342.9	14.5
90°-150°	8608.9	53.2
90°-180°	11760.0	72.7
0°-180°	16177.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1845	1845	1845	1845	1845	
5°	1829	1852	1830	1828	1841	174
15°	1739	1754	1739	1728	1728	490
25°	1564	1570	1545	1524	1517	721
35°	1343	1330	1293	1255	1247	837
45°	1080	1063	1018	969	955	833
55°	810	788	738	690	677	724
65°	537	518	473	431	418	532
75°	278	262	231	207	203	296
85°	63	58	55	55	55	75
90°	0	0	0	3	0	9
95°	168	30	39	42	42	208
105°	844	856	868	63	66	890
115°	1583	1594	1598	1622	1631	1561
125°	2249	2264	2258	2283	2297	2007
135°	2826	2840	2817	2838	2856	2176
145°	3288	3309	3267	3289	3306	2057
155°	3643	3672	3622	3631	3655	1680
165°	3883	3903	3862	3850	3877	1096
175°	3994	4014	3961	3940	3952	380
180°	3985	3985	3985	3985	3985	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1844.9	1844.9	1844.9	1844.9	1844.9
2.5°	1835.5	1853.9	1837.6	1839.7	1843.8
5°	1829.2	1852.2	1830.5	1828.1	1841.0
7.5°	1815.0	1836.0	1813.4	1808.2	1819.7
10°	1800.3	1823.4	1797.7	1791.3	1797.7
12.5°	1774.1	1798.2	1777.8	1767.2	1772.6
15°	1738.8	1754.1	1738.8	1728.3	1728.3
17.5°	1695.5	1711.7	1682.7	1675.3	1672.5
20°	1664.1	1678.2	1647.0	1636.5	1632.6
22.5°	1622.1	1635.2	1609.3	1591.4	1586.5
25°	1564.5	1569.6	1544.8	1523.7	1517.3
27.5°	1506.6	1507.9	1473.8	1448.2	1439.7
30°	1458.4	1459.6	1420.4	1392.7	1386.3
32.5°	1410.1	1406.3	1369.0	1336.1	1331.8
35°	1343.0	1330.2	1293.3	1255.1	1247.4
37.5°	1262.1	1254.4	1210.7	1172.4	1160.9
40°	1210.7	1197.9	1153.1	1114.8	1103.3
42.5°	1159.3	1144.5	1098.5	1056.1	1043.5
45°	1079.7	1063.0	1018.1	969.3	955.2
47.5°	999.5	981.3	931.9	884.6	869.0
50°	946.0	926.8	875.3	829.0	812.4
52.5°	891.5	871.3	819.7	772.5	758.9
55°	809.8	788.0	737.7	690.2	677.4
57.5°	728.0	706.5	656.5	611.6	596.2
60°	673.5	653.0	604.0	559.1	543.8
62.5°	617.9	598.5	550.6	506.8	492.4
65°	537.2	518.0	473.0	430.8	418.0
67.5°	457.3	440.9	396.5	357.7	347.5
70°	404.9	389.5	347.2	311.6	301.4
72.5°	354.6	338.2	298.0	267.7	260.5
75°	277.8	262.4	230.6	206.9	203.1
77.5°	207.6	195.0	167.5	154.0	152.0
80°	162.5	150.9	129.7	120.5	120.5
82.5°	120.5	111.1	97.2	93.3	93.3
85°	62.9	57.8	55.0	55.0	55.0
87.5°	18.9	18.9	17.8	17.4	16.8
90°	0.0	0.0	0.0	2.9	0.0
92.5°	45.6	17.5	14.4	17.4	16.8
95°	168.2	30.2	39.0	42.0	42.0
97.5°	338.7	332.3	45.6	54.7	55.3
100°	468.5	483.1	48.0	57.1	60.1
102.5°	612.6	624.9	88.9	59.5	62.5
105°	843.8	855.6	867.9	63.1	66.1
107.5°	1073.9	1082.7	1090.7	981.8	367.6
110°	1225.2	1234.0	1237.2	1267.4	1273.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1366.9	1378.1	1383.8	1409.2	1419.8
115°	1582.6	1594.3	1597.6	1621.8	1630.6
117.5°	1787.4	1799.7	1805.4	1824.9	1839.0
120°	1921.9	1936.6	1939.9	1964.2	1975.9
122.5°	2054.0	2071.0	2069.6	2091.6	2108.1
125°	2249.2	2263.9	2258.2	2282.6	2297.3
127.5°	2434.8	2443.6	2431.2	2460.9	2473.2
130°	2552.5	2561.3	2546.5	2573.9	2588.5
132.5°	2660.6	2674.1	2657.0	2682.0	2696.6
135°	2825.8	2840.4	2816.8	2838.2	2855.8
137.5°	2972.9	2990.5	2962.1	2987.1	3002.3
140°	3069.0	3086.6	3051.0	3078.4	3096.0
142.5°	3157.9	3180.2	3137.5	3162.6	3182.5
145°	3288.2	3308.8	3267.2	3288.6	3306.2
147.5°	3411.9	3429.6	3389.7	3405.0	3417.3
150°	3486.4	3504.0	3459.4	3474.7	3489.4
152.5°	3546.5	3571.1	3526.7	3537.4	3559.1
155°	3642.6	3671.9	3621.5	3631.1	3654.6
157.5°	3730.9	3757.3	3706.8	3715.1	3735.7
160°	3783.7	3810.1	3759.7	3763.2	3783.7
162.5°	3824.5	3848.6	3805.3	3799.3	3824.5
165°	3882.8	3903.4	3861.8	3850.4	3876.8
167.5°	3931.5	3954.9	3903.8	3894.3	3924.2
170°	3957.9	3981.4	3927.8	3913.6	3945.9
172.5°	3974.7	3995.8	3944.7	3925.4	3950.7
175°	3993.9	4014.5	3960.9	3940.1	3951.9
177.5°	3999.3	4015.8	3972.9	3954.3	3982.5
180°	3984.9	3984.9	3984.9	3984.9	3984.9



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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	14.80	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	19.52	14.99	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	16.96	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	19.52	15.25	15.51	16.44	16.69	18.33
	8H	16.73	16.96	17.93	18.13	19.81	15.52	15.75	16.72	16.93	18.60