

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: P1438810

Luminaire Tested: CB2-125U-055D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438810  
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: CB2-125U-055D-835-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

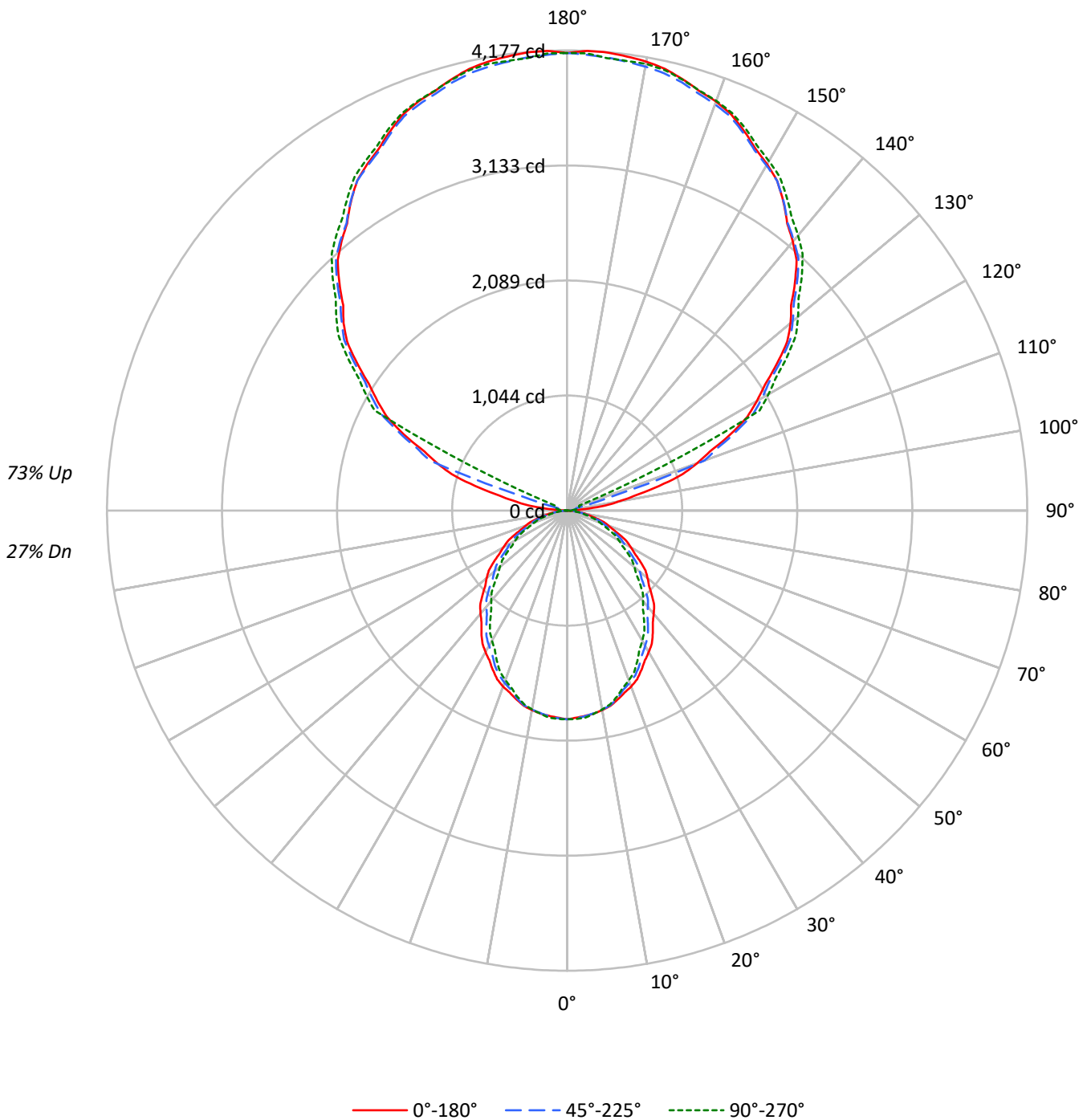
Lumens per Lamp: N/A  
Luminaire Lumens: 16259.4 lumens  
Efficiency: N/A  
Efficacy: 122.7 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 132.5  
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	73	62	60	58	46	45	43	31	30	30	23
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	19
3	77	68	61	56	69	61	55	50	48	44	40	36	33	31	24	23	22	17
4	70	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	37	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	24	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°	16497	16497	16497
5°	16357	16382	16496
10°	16264	16225	16213
15°	16006	15901	15771
20°	15754	15405	15190
25°	15331	14899	14481
30°	14907	14250	13710
35°	14418	13585	12937
40°	13900	12960	12202
45°	13380	12309	11486
50°	12910	11673	10788
55°	12332	11011	10130
60°	11671	10382	9473
65°	10969	9683	8818
70°	10193	8902	7977
75°	9273	8052	7224
80°	8295	7056	6545
85°	6375	5795	4786

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13380 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.1	1.1
10°-20°	496.6	3.1
20°-30°	714.0	4.4
30°-40°	802.5	4.9
40°-50°	775.2	4.8
50°-60°	655.0	4.0
60°-70°	470.5	2.9
70°-80°	257.1	1.6
80°-90°	68.5	0.4
90°-100°	72.4	0.4
100°-110°	460.6	2.8
110°-120°	1463.6	9.0
120°-130°	2123.9	13.1
130°-140°	2284.2	14.0
140°-150°	2150.6	13.2
150°-160°	1752.0	10.8
160°-170°	1140.4	7.0
170°-180°	394.2	2.4
0°-30°	1388.7	8.5
0°-40°	2191.2	13.5
0°-60°	3621.4	22.3
0°-90°	4417.5	27.2
90°-120°	1996.6	12.3
90°-150°	8555.3	52.6
90°-180°	11842.0	72.8
0°-180°	16259.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1894	1894	1894	1894	1894	
5°	1871	1897	1874	1874	1887	178
15°	1775	1791	1764	1746	1749	500
25°	1596	1597	1550	1516	1507	734
35°	1356	1341	1278	1228	1217	847
45°	1086	1064	999	947	933	839
55°	812	782	725	680	667	726
65°	532	512	470	436	428	528
75°	276	259	239	220	215	295
85°	64	60	58	51	48	76
90°	0	0	0	3	3	9
95°	165	48	51	33	30	209
105°	865	897	90	105	111	911
115°	1637	1672	1688	1707	979	1609
125°	2324	2365	2366	2406	2438	2078
135°	2925	2960	2955	2974	3012	2256
145°	3423	3450	3426	3430	3474	2140
155°	3802	3825	3784	3776	3829	1753
165°	4054	4066	4024	4007	4048	1145
175°	4174	4183	4129	4102	4123	397
180°	4153	4153	4153	4153	4153	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1894.3	1894.3	1894.3	1894.3	1894.3
2.5°	1881.5	1904.2	1887.3	1889.7	1893.1
5°	1871.1	1896.6	1874.0	1874.3	1887.0
7.5°	1857.7	1881.8	1853.4	1848.1	1860.0
10°	1839.2	1863.3	1834.8	1824.9	1833.4
12.5°	1814.8	1837.8	1810.4	1794.7	1802.0
15°	1775.3	1790.9	1763.7	1746.4	1749.2
17.5°	1732.4	1742.1	1702.8	1688.3	1685.4
20°	1699.9	1708.4	1662.2	1641.8	1639.0
22.5°	1658.1	1665.5	1617.0	1591.9	1587.9
25°	1595.5	1596.9	1550.5	1515.5	1507.0
27.5°	1529.9	1525.4	1473.9	1432.5	1421.4
30°	1482.4	1476.7	1417.1	1373.3	1363.4
32.5°	1431.3	1421.1	1361.4	1314.2	1304.2
35°	1356.2	1340.6	1277.8	1228.3	1216.9
37.5°	1276.1	1258.5	1196.9	1142.9	1130.2
40°	1222.7	1202.9	1140.0	1086.1	1073.3
42.5°	1169.3	1147.2	1083.2	1029.2	1015.3
45°	1086.4	1063.7	999.4	946.8	932.6
47.5°	1007.5	978.5	916.1	863.9	849.7
50°	952.9	921.7	861.6	810.5	796.3
52.5°	897.2	864.9	807.0	758.3	744.1
55°	812.2	782.5	725.2	680.0	667.2
57.5°	728.1	699.5	647.2	604.0	591.5
60°	670.1	646.0	596.1	555.3	543.9
62.5°	614.4	592.6	545.1	507.7	496.3
65°	532.3	512.5	469.9	436.4	427.9
67.5°	452.5	432.7	398.3	368.2	358.5
70°	400.3	380.5	349.6	321.8	313.3
72.5°	350.4	329.4	304.3	278.9	272.7
75°	275.6	258.6	239.3	220.3	214.7
77.5°	209.4	193.0	179.0	165.6	164.2
80°	165.4	151.2	140.7	132.0	130.5
82.5°	123.6	112.8	105.9	99.5	99.2
85°	63.8	59.6	58.0	50.7	47.9
87.5°	18.6	18.6	16.2	14.5	14.5
90°	0.0	0.0	0.0	3.0	3.0
92.5°	45.6	17.5	12.0	17.4	17.4
95°	165.2	47.7	51.1	33.0	30.0
97.5°	342.9	76.9	73.9	81.1	84.1
100°	477.5	157.4	81.1	93.2	96.1
102.5°	626.4	592.9	83.5	100.4	105.7
105°	864.8	897.1	90.1	105.2	111.1
107.5°	1099.1	1131.4	419.2	108.8	114.7
110°	1255.2	1287.5	1327.3	111.2	117.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1401.8	1441.1	1471.4	247.6	121.9
115°	1636.6	1671.8	1687.7	1707.1	979.0
117.5°	1843.8	1887.3	1905.1	1938.8	1971.7
120°	1987.9	2029.1	2042.0	2075.8	2111.1
122.5°	2129.7	2166.1	2174.1	2212.7	2245.6
125°	2324.3	2365.4	2366.3	2406.1	2438.4
127.5°	2518.9	2554.1	2552.5	2582.1	2618.0
130°	2648.6	2672.1	2672.6	2697.5	2735.7
132.5°	2756.7	2789.6	2790.3	2810.4	2848.6
135°	2924.9	2960.1	2954.9	2973.8	3012.0
137.5°	3082.8	3116.9	3107.4	3123.4	3162.7
140°	3186.1	3215.5	3201.1	3217.2	3261.2
142.5°	3282.2	3311.6	3290.0	3303.7	3350.1
145°	3423.4	3449.8	3426.4	3430.4	3474.4
147.5°	3548.9	3574.7	3546.5	3550.4	3591.5
150°	3630.6	3654.0	3618.5	3622.5	3663.6
152.5°	3702.6	3723.8	3685.8	3685.1	3733.3
155°	3801.7	3825.2	3783.7	3775.9	3828.8
157.5°	3891.8	3913.5	3872.0	3866.3	3907.4
160°	3951.9	3966.6	3924.8	3916.8	3957.9
162.5°	3992.7	4009.7	3968.1	3955.2	3996.3
165°	4054.0	4065.7	4023.9	4006.9	4048.0
167.5°	4106.8	4120.3	4066.6	4051.4	4095.4
170°	4138.1	4146.9	4093.0	4073.0	4117.0
172.5°	4157.3	4163.7	4109.8	4087.1	4117.0
175°	4174.1	4182.9	4129.0	4102.5	4123.0
177.5°	4177.1	4181.8	4141.1	4117.8	4153.1
180°	4153.1	4153.1	4153.1	4153.1	4153.1

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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	14.12	14.80	15.25	15.92	17.49	13.02	13.70	14.15	14.83	16.39
	3H	15.75	16.36	16.89	17.49	19.07	14.53	15.14	15.67	16.28	17.86
	4H	16.37	16.95	17.52	18.08	19.67	15.10	15.68	16.25	16.81	18.40
	6H	16.76	17.30	17.92	18.43	20.03	15.46	15.99	16.62	17.13	18.73
	8H	16.91	17.42	18.07	18.56	20.15	15.60	16.10	16.76	17.25	18.84
	12H	16.98	17.46	18.14	18.60	20.21	15.65	16.13	16.82	17.28	18.89
4H	2H	14.51	15.09	15.66	16.22	17.80	13.63	14.21	14.79	15.34	16.93
	3H	16.36	16.84	17.52	18.00	19.60	15.35	15.83	16.51	16.99	18.59
	4H	17.10	17.54	18.26	18.69	20.31	16.02	16.46	17.18	17.61	19.22
	6H	17.61	17.99	18.78	19.16	20.76	16.48	16.86	17.65	18.03	19.64
	8H	17.81	18.16	18.98	19.32	20.95	16.67	17.02	17.84	18.18	19.81
	12H	17.91	18.23	19.09	19.40	21.03	16.75	17.07	17.93	18.24	19.87
8H	4H	17.24	17.60	18.41	18.76	20.38	16.28	16.63	17.45	17.79	19.42
	6H	17.88	18.17	19.06	19.37	20.99	16.87	17.17	18.06	18.37	19.99
	8H	18.16	18.42	19.36	19.60	21.24	17.15	17.40	18.34	18.58	20.22
	12H	18.33	18.55	19.53	19.73	21.41	17.29	17.51	18.49	18.69	20.36
12H	4H	17.21	17.53	18.40	18.71	20.33	16.27	16.59	17.46	17.77	19.39
	6H	17.90	18.16	19.10	19.34	20.98	16.94	17.19	18.13	18.37	20.01
	8H	18.21	18.44	19.41	19.61	21.29	17.23	17.46	18.43	18.64	20.31