

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: P1439418

Luminaire Tested: CB3-B-055U-085D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439418  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-B-055U-085D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

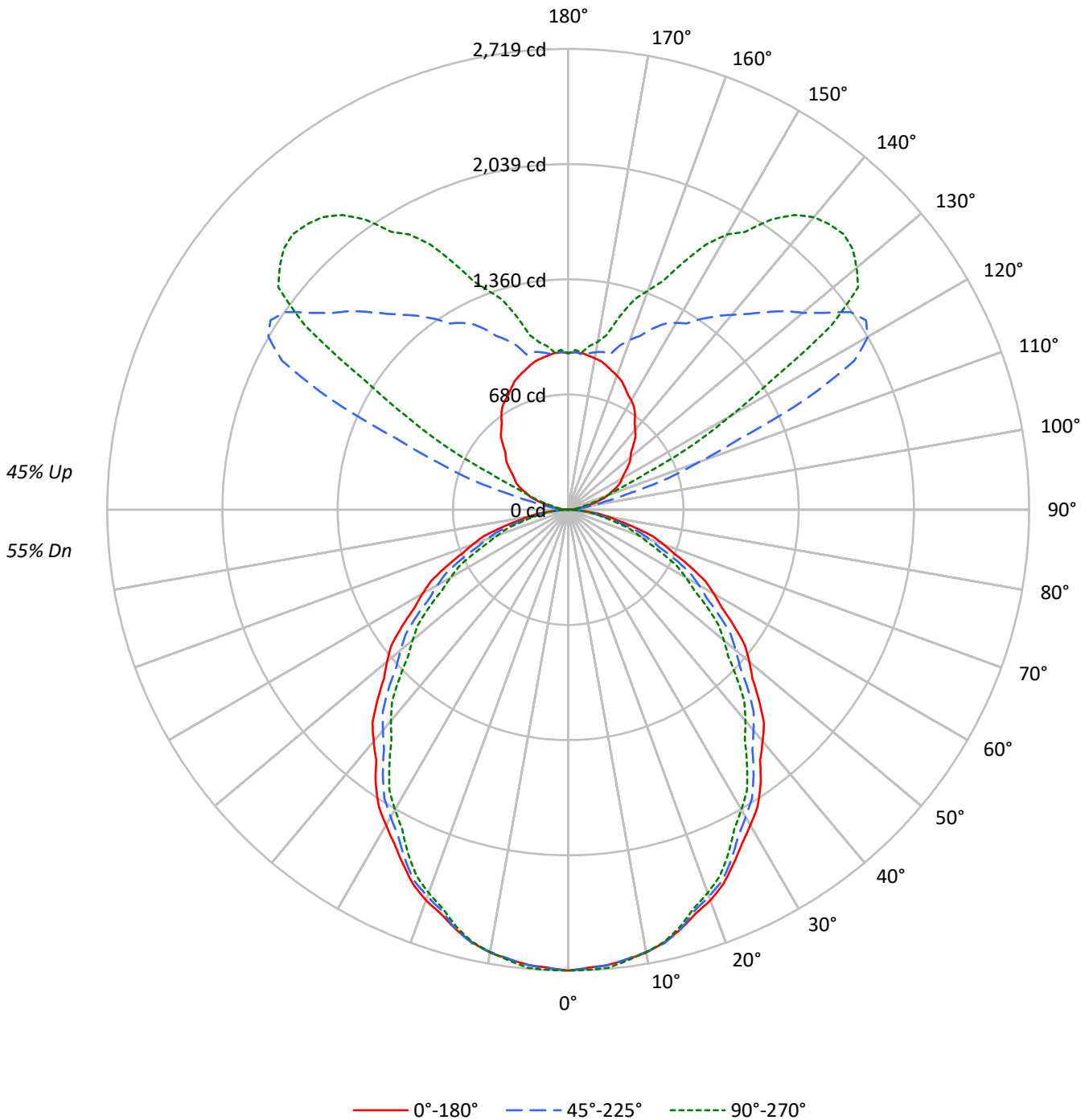
Lumens per Lamp: N/A  
Luminaire Lumens: 11941.3 lumens  
Efficiency: N/A  
Efficacy: 134.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 88.5  
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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	77	72	84	77	72	67	66	62	59	57	54	51	47	45	44	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	43	42	40	37	33
4	76	65	57	51	70	61	54	48	52	47	43	45	41	37	38	35	32	29
5	69	58	50	44	64	54	47	41	47	41	37	40	36	33	34	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	30	25	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	25	32	27	23	28	24	20	24	21	18	16
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	22	19	16	15

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

	0°	45°	90°
0°	15383	15383	15383
5°	15311	15322	15409
10°	15244	15221	15221
15°	15010	15010	14920
20°	14766	14615	14487
25°	14394	14213	13960
30°	14042	13676	13348
35°	13672	13165	12698
40°	13179	12551	12009
45°	12732	12006	11264
50°	12272	11354	10539
55°	11772	10724	9848
60°	11232	10073	9069
65°	10599	9333	8247
70°	9872	8466	7347
75°	8949	7430	6542
80°	7803	6229	5789
85°	6017	5264	5264

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12732 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.6	2.1
10°-20°	720.8	6.0
20°-30°	1047.2	8.8
30°-40°	1190.6	10.0
40°-50°	1155.8	9.7
50°-60°	975.9	8.2
60°-70°	694.3	5.8
70°-80°	371.0	3.1
80°-90°	98.0	0.8
90°-100°	62.4	0.5
100°-110°	327.2	2.7
110°-120°	823.7	6.9
120°-130°	1270.7	10.6
130°-140°	1163.3	9.7
140°-150°	858.5	7.2
150°-160°	547.3	4.6
160°-170°	288.1	2.4
170°-180°	89.7	0.8
0°-30°	2024.6	17.0
0°-40°	3215.3	26.9
0°-60°	5347.0	44.8
0°-90°	6510.2	54.5
90°-120°	1213.3	10.2
90°-150°	4505.9	37.7
90°-180°	5431.0	45.5
0°-180°	11941.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2719	2719	2719	2719	2719	
5°	2696	2730	2698	2695	2713	256
15°	2563	2586	2563	2547	2547	722
25°	2306	2314	2277	2246	2236	1062
35°	1980	1961	1906	1850	1839	1234
45°	1591	1567	1501	1429	1408	1227
55°	1194	1161	1087	1017	998	1067
65°	792	764	697	635	616	784
75°	409	387	340	305	299	436
85°	93	85	81	81	81	110
90°	0	0	0	0	0	5
95°	32	92	37	20	20	41
105°	167	517	374	154	126	178
115°	317	647	1554	676	512	309
125°	423	654	2034	2051	1896	378
135°	545	728	1647	2247	2298	421
145°	687	795	1375	1912	2091	427
155°	793	853	1180	1460	1611	366
165°	879	902	948	1108	1184	248
175°	927	947	919	924	932	88
180°	923	923	923	923	923	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2719.2	2719.2	2719.2	2719.2	2719.2
2.5°	2705.3	2732.5	2708.4	2711.7	2717.7
5°	2696.1	2730.1	2698.0	2694.6	2713.4
7.5°	2675.2	2706.2	2672.9	2665.2	2682.2
10°	2653.6	2687.6	2649.7	2640.3	2649.7
12.5°	2615.0	2650.5	2620.4	2604.7	2612.6
15°	2562.8	2585.5	2562.8	2547.4	2547.4
17.5°	2499.1	2522.9	2480.1	2469.2	2465.1
20°	2452.7	2473.5	2427.6	2412.0	2406.4
22.5°	2390.9	2410.2	2372.0	2345.6	2338.4
25°	2305.9	2313.5	2277.0	2245.9	2236.4
27.5°	2220.6	2222.5	2172.3	2134.6	2122.1
30°	2149.5	2151.4	2093.5	2052.7	2043.3
32.5°	2078.4	2072.8	2017.8	1969.4	1963.0
35°	1979.6	1960.7	1906.2	1849.9	1838.6
37.5°	1860.2	1848.9	1784.5	1728.1	1711.1
40°	1784.5	1765.6	1699.5	1643.1	1626.1
42.5°	1708.8	1686.9	1619.2	1556.6	1538.1
45°	1591.4	1566.8	1500.6	1428.7	1407.9
47.5°	1473.2	1446.4	1373.5	1303.9	1280.8
50°	1394.4	1366.1	1290.1	1221.9	1197.4
52.5°	1314.0	1284.2	1208.2	1138.6	1118.6
55°	1193.5	1161.4	1087.3	1017.4	998.5
57.5°	1073.0	1041.3	967.6	901.4	878.7
60°	992.7	962.5	890.3	824.1	801.5
62.5°	910.8	882.1	811.5	746.9	725.8
65°	791.8	763.5	697.2	635.0	616.1
67.5°	674.0	649.8	584.4	527.3	512.2
70°	596.8	574.1	511.8	459.3	444.2
72.5°	522.6	498.4	439.2	394.5	383.9
75°	409.4	386.8	339.9	305.0	299.3
77.5°	305.9	287.4	246.8	227.0	224.0
80°	239.5	222.5	191.2	177.7	177.7
82.5°	177.7	163.7	143.3	137.5	137.5
85°	92.7	85.1	81.1	81.1	81.1
87.5°	27.8	27.8	26.3	24.7	24.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.8	22.5	6.5	3.3	6.5
95°	32.5	92.2	36.6	20.3	20.3
97.5°	67.5	205.9	94.4	50.3	45.6
100°	93.6	292.4	146.4	73.0	65.1
102.5°	122.8	379.0	221.3	98.9	84.6
105°	166.8	516.8	374.2	153.9	126.1
107.5°	215.6	610.9	616.7	237.3	191.2
110°	248.1	649.8	821.7	311.6	240.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	277.4	660.0	1095.0	424.9	327.9
115°	317.3	647.4	1553.9	675.6	512.5
117.5°	346.6	616.2	1902.1	1074.8	829.0
120°	366.1	616.7	2042.0	1376.8	1102.4
122.5°	388.9	620.4	2081.0	1676.7	1424.5
125°	423.0	653.7	2033.9	2050.7	1895.6
127.5°	457.2	678.4	1906.9	2204.4	2155.9
130°	480.0	694.8	1806.1	2256.8	2221.0
132.5°	502.8	711.2	1734.5	2258.0	2276.3
135°	545.1	728.0	1647.4	2246.6	2298.3
137.5°	588.2	748.9	1566.1	2175.4	2282.8
140°	614.2	765.4	1501.0	2098.4	2253.5
142.5°	643.5	778.7	1439.2	2027.0	2191.7
145°	687.4	794.8	1374.9	1911.8	2090.8
147.5°	721.6	803.5	1302.5	1795.6	1943.6
150°	744.4	804.1	1273.2	1692.3	1875.2
152.5°	763.9	820.4	1237.4	1597.5	1764.6
155°	793.2	852.9	1179.6	1459.7	1610.8
157.5°	822.5	879.8	1111.3	1356.9	1459.5
160°	842.0	889.7	1065.7	1307.3	1374.9
162.5°	858.3	899.7	1016.9	1222.9	1300.0
165°	878.6	902.5	947.8	1108.1	1183.7
167.5°	897.3	909.3	953.5	995.5	1056.8
170°	907.1	919.0	943.7	984.8	1004.7
172.5°	916.9	935.2	930.7	958.7	975.4
175°	927.4	947.3	919.3	923.6	931.5
177.5°	929.9	939.4	933.1	933.4	942.9
180°	923.4	923.4	923.4	923.4	923.4



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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	17.05	17.95	17.97	18.88	20.09	15.98	16.87	16.90	17.80	19.01
	3H	18.72	19.52	19.65	20.47	21.70	17.39	18.19	18.32	19.14	20.37
	4H	19.36	20.11	20.30	21.06	22.30	17.91	18.67	18.86	19.62	20.86
	6H	19.74	20.44	20.70	21.39	22.65	18.23	18.93	19.19	19.88	21.13
	8H	19.88	20.54	20.84	21.52	22.77	18.35	19.02	19.32	19.99	21.24
	12H	19.95	20.58	20.92	21.55	22.82	18.43	19.06	19.40	20.03	21.30
4H	2H	17.47	18.22	18.42	19.17	20.41	16.61	17.36	17.56	18.31	19.55
	3H	19.36	19.99	20.32	20.97	22.22	18.23	18.86	19.19	19.84	21.09
	4H	20.11	20.68	21.08	21.66	22.94	18.84	19.41	19.81	20.39	21.66
	6H	20.61	21.11	21.60	22.11	23.38	19.25	19.75	20.23	20.74	22.02
	8H	20.80	21.27	21.79	22.26	23.55	19.42	19.88	20.41	20.88	22.17
	12H	20.90	21.32	21.91	22.33	23.62	19.53	19.95	20.53	20.95	22.25
8H	4H	20.24	20.70	21.23	21.69	22.98	19.10	19.56	20.09	20.55	21.85
	6H	20.86	21.24	21.87	22.28	23.56	19.63	20.01	20.64	21.05	22.33
	8H	21.14	21.47	22.16	22.49	23.80	19.88	20.22	20.90	21.24	22.55
	12H	21.30	21.60	22.32	22.61	23.97	20.06	20.36	21.08	21.37	22.72
12H	4H	20.21	20.63	21.22	21.64	22.94	19.10	19.52	20.11	20.53	21.83
	6H	20.88	21.21	21.90	22.23	23.54	19.69	20.02	20.71	21.05	22.35
	8H	21.18	21.47	22.20	22.49	23.84	19.97	20.27	20.99	21.28	22.64