

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: P1439420

Luminaire Tested: CB3-B-055U-085D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439420  
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-930-1D-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: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

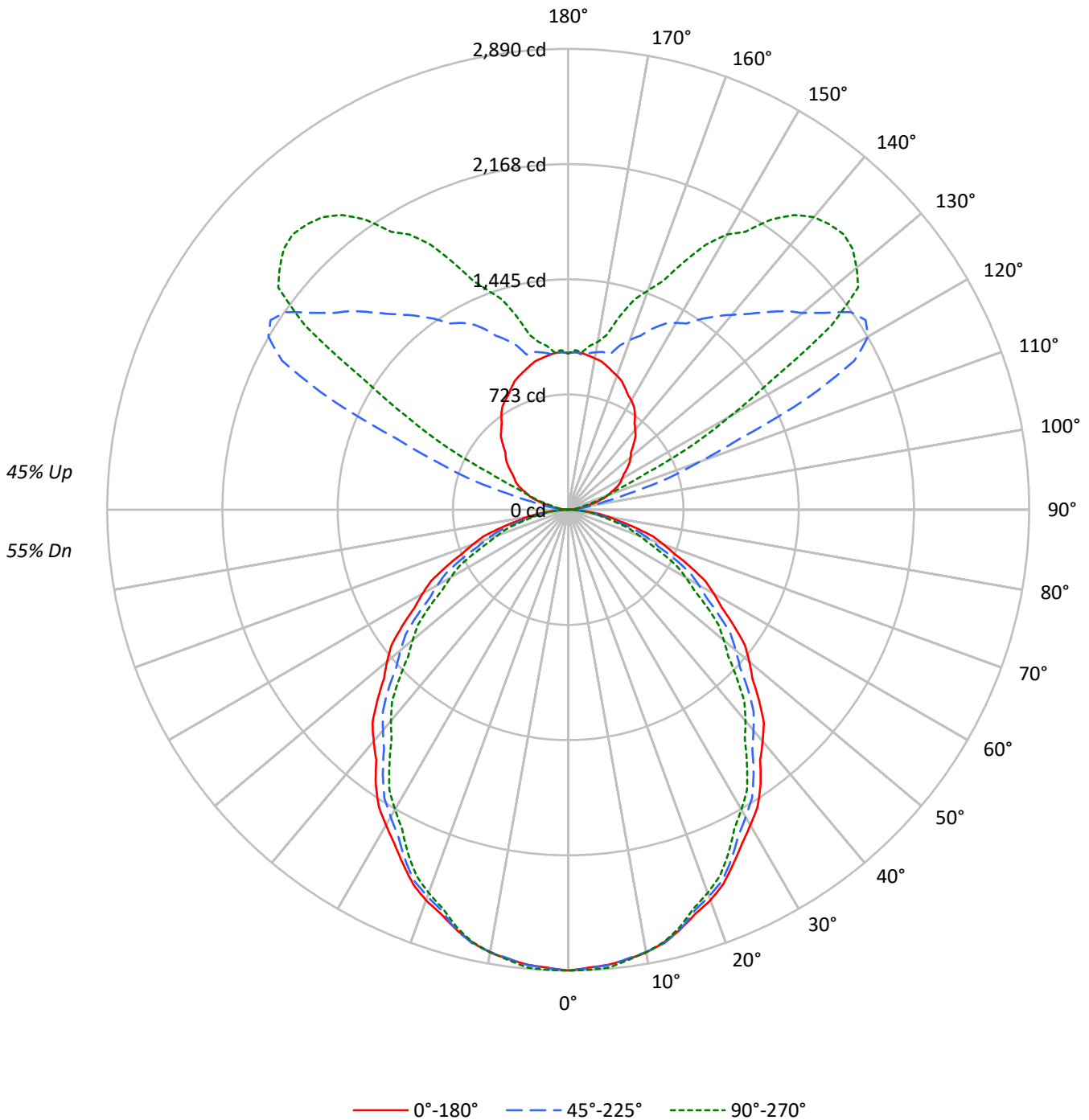
Lumens per Lamp: N/A  
Luminaire Lumens: 12690.9 lumens  
Efficiency: N/A  
Efficacy: 143.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 88.5  
Input Voltage (V): 120  
Input Current (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	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°	16350	16350	16350
5°	16272	16284	16377
10°	16201	16177	16177
15°	15952	15952	15856
20°	15693	15533	15396
25°	15298	15105	14836
30°	14923	14534	14186
35°	14529	13991	13495
40°	14006	13339	12763
45°	13531	12759	11971
50°	13042	12067	11200
55°	12511	11398	10467
60°	11937	10706	9638
65°	11265	9919	8765
70°	10490	8997	7809
75°	9510	7895	6953
80°	8291	6620	6151
85°	6394	5595	5595

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13531 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	272.7	2.1
10°-20°	766.1	6.0
20°-30°	1113.0	8.8
30°-40°	1265.4	10.0
40°-50°	1228.4	9.7
50°-60°	1037.1	8.2
60°-70°	737.9	5.8
70°-80°	394.2	3.1
80°-90°	104.2	0.8
90°-100°	66.4	0.5
100°-110°	347.8	2.7
110°-120°	875.4	6.9
120°-130°	1350.5	10.6
130°-140°	1236.3	9.7
140°-150°	912.4	7.2
150°-160°	581.6	4.6
160°-170°	306.2	2.4
170°-180°	95.3	0.8
0°-30°	2151.7	17.0
0°-40°	3417.1	26.9
0°-60°	5682.6	44.8
0°-90°	6918.9	54.5
90°-120°	1289.5	10.2
90°-150°	4788.8	37.7
90°-180°	5772.0	45.5
0°-180°	12690.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2890	2890	2890	2890	2890	
5°	2865	2901	2867	2864	2884	272
15°	2724	2748	2724	2707	2707	767
25°	2451	2459	2420	2387	2377	1129
35°	2104	2084	2026	1966	1954	1311
45°	1691	1665	1595	1518	1496	1305
55°	1268	1234	1156	1081	1061	1134
65°	842	811	741	675	655	834
75°	435	411	361	324	318	464
85°	98	90	86	86	86	117
90°	0	0	0	0	0	5
95°	35	98	39	22	22	44
105°	177	549	398	164	134	189
115°	337	688	1651	718	545	328
125°	450	695	2162	2179	2015	402
135°	579	774	1751	2388	2442	448
145°	731	845	1461	2032	2222	454
155°	843	906	1254	1551	1712	389
165°	934	959	1007	1178	1258	263
175°	986	1007	977	982	990	93
180°	981	981	981	981	981	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2890.0	2890.0	2890.0	2890.0	2890.0
2.5°	2875.2	2904.1	2878.5	2881.9	2888.3
5°	2865.3	2901.4	2867.4	2863.7	2883.8
7.5°	2843.2	2876.1	2840.7	2832.5	2850.5
10°	2820.2	2856.3	2816.1	2806.0	2816.1
12.5°	2779.1	2816.8	2784.9	2768.2	2776.7
15°	2723.7	2747.8	2723.7	2707.3	2707.3
17.5°	2656.0	2681.3	2635.9	2624.3	2619.8
20°	2606.7	2628.8	2580.0	2563.5	2557.4
22.5°	2541.0	2561.5	2520.9	2492.8	2485.2
25°	2450.7	2458.7	2419.9	2386.9	2376.8
27.5°	2360.0	2362.0	2308.7	2268.6	2255.3
30°	2284.5	2286.5	2224.9	2181.6	2171.6
32.5°	2208.9	2202.9	2144.5	2093.0	2086.2
35°	2103.8	2083.8	2025.8	1966.0	1954.0
37.5°	1977.0	1965.0	1896.5	1836.6	1818.5
40°	1896.5	1876.5	1806.2	1746.3	1728.2
42.5°	1816.1	1792.8	1720.8	1654.3	1634.6
45°	1691.3	1665.2	1594.8	1518.4	1496.3
47.5°	1565.7	1537.2	1459.8	1385.7	1361.2
50°	1481.9	1451.8	1371.1	1298.7	1272.6
52.5°	1396.5	1364.8	1284.1	1210.1	1188.8
55°	1268.5	1234.3	1155.6	1081.2	1061.2
57.5°	1140.4	1106.7	1028.3	958.0	933.9
60°	1055.0	1022.9	946.2	875.9	851.8
62.5°	968.0	937.5	862.5	793.8	771.3
65°	841.5	811.4	741.0	674.8	654.8
67.5°	716.3	690.6	621.1	560.4	544.3
70°	634.2	610.1	543.9	488.1	472.1
72.5°	555.4	529.7	466.7	419.3	408.0
75°	435.1	411.1	361.2	324.2	318.1
77.5°	325.1	305.5	262.3	241.3	238.1
80°	254.5	236.5	203.2	188.8	188.8
82.5°	188.8	174.0	152.3	146.1	146.1
85°	98.5	90.5	86.2	86.2	86.2
87.5°	29.6	29.6	27.9	26.3	26.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.4	23.9	6.9	3.5	6.9
95°	34.6	98.0	38.9	21.6	21.6
97.5°	71.8	218.9	100.3	53.5	48.4
100°	99.4	310.8	155.6	77.6	69.2
102.5°	130.6	402.8	235.2	105.1	89.9
105°	177.2	549.2	397.7	163.6	134.0
107.5°	229.1	649.3	655.4	252.2	203.2
110°	263.7	690.6	873.3	331.1	255.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	294.8	701.5	1163.8	451.6	348.4
115°	337.2	688.0	1651.4	718.0	544.7
117.5°	368.3	654.9	2021.5	1142.3	881.0
120°	389.1	655.4	2170.2	1463.2	1171.6
122.5°	413.3	659.3	2211.7	1781.9	1513.9
125°	449.6	694.8	2161.5	2179.4	2014.6
127.5°	485.9	720.9	2026.7	2342.8	2291.2
130°	510.1	738.4	1919.5	2398.5	2360.4
132.5°	534.3	755.8	1843.4	2399.8	2419.2
135°	579.3	773.7	1750.9	2387.6	2442.5
137.5°	625.1	795.9	1664.4	2312.0	2426.1
140°	652.8	813.4	1595.2	2230.1	2395.0
142.5°	683.9	827.6	1529.5	2154.3	2329.3
145°	730.6	844.7	1461.2	2031.9	2222.1
147.5°	766.9	854.0	1384.3	1908.3	2065.6
150°	791.1	854.5	1353.1	1798.5	1992.9
152.5°	811.9	871.9	1315.1	1697.8	1875.4
155°	843.0	906.4	1253.7	1551.3	1711.9
157.5°	874.1	935.0	1181.1	1442.1	1551.1
160°	894.9	945.6	1132.6	1389.3	1461.2
162.5°	912.2	956.1	1080.8	1299.7	1381.7
165°	933.8	959.1	1007.3	1177.7	1258.0
167.5°	953.7	966.4	1013.3	1058.0	1123.1
170°	964.0	976.7	1003.0	1046.7	1067.8
172.5°	974.4	993.9	989.1	1018.9	1036.7
175°	985.7	1006.8	977.0	981.5	990.0
177.5°	988.3	998.4	991.7	991.9	1002.1
180°	981.3	981.3	981.3	981.3	981.3



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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	17.27	18.16	18.19	19.09	20.30	16.19	17.08	17.11	18.02	19.22
	3H	18.93	19.73	19.87	20.68	21.91	17.60	18.40	18.54	19.35	20.58
	4H	19.57	20.32	20.51	21.27	22.51	18.12	18.88	19.07	19.83	21.07
	6H	19.95	20.65	20.91	21.61	22.86	18.44	19.14	19.40	20.09	21.35
	8H	20.09	20.75	21.06	21.73	22.98	18.57	19.23	19.53	20.20	21.45
	12H	20.16	20.79	21.13	21.76	23.03	18.64	19.27	19.61	20.24	21.51
4H	2H	17.68	18.43	18.63	19.38	20.62	16.82	17.57	17.77	18.52	19.76
	3H	19.57	20.20	20.53	21.18	22.43	18.44	19.07	19.40	20.05	21.30
	4H	20.32	20.89	21.29	21.87	23.15	19.05	19.62	20.02	20.60	21.88
	6H	20.82	21.32	21.81	22.32	23.59	19.46	19.96	20.45	20.96	22.23
	8H	21.02	21.48	22.00	22.47	23.76	19.63	20.10	20.62	21.09	22.38
	12H	21.11	21.53	22.12	22.54	23.84	19.74	20.16	20.74	21.16	22.46
8H	4H	20.45	20.91	21.44	21.90	23.20	19.31	19.77	20.30	20.77	22.06
	6H	21.07	21.45	22.08	22.49	23.78	19.84	20.22	20.85	21.26	22.55
	8H	21.35	21.68	22.37	22.71	24.01	20.09	20.43	21.11	21.45	22.76
	12H	21.51	21.81	22.54	22.82	24.18	20.27	20.57	21.29	21.58	22.94
12H	4H	20.43	20.84	21.43	21.85	23.15	19.32	19.73	20.32	20.74	22.04
	6H	21.09	21.43	22.11	22.45	23.75	19.90	20.24	20.92	21.26	22.56
	8H	21.39	21.69	22.41	22.70	24.05	20.18	20.48	21.20	21.49	22.85