

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1057090

Luminaire Tested: CB3-B-055U-085D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057090
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-055U-085D-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12201.3 lumens
Efficiency: N/A
Efficacy: 137.9 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

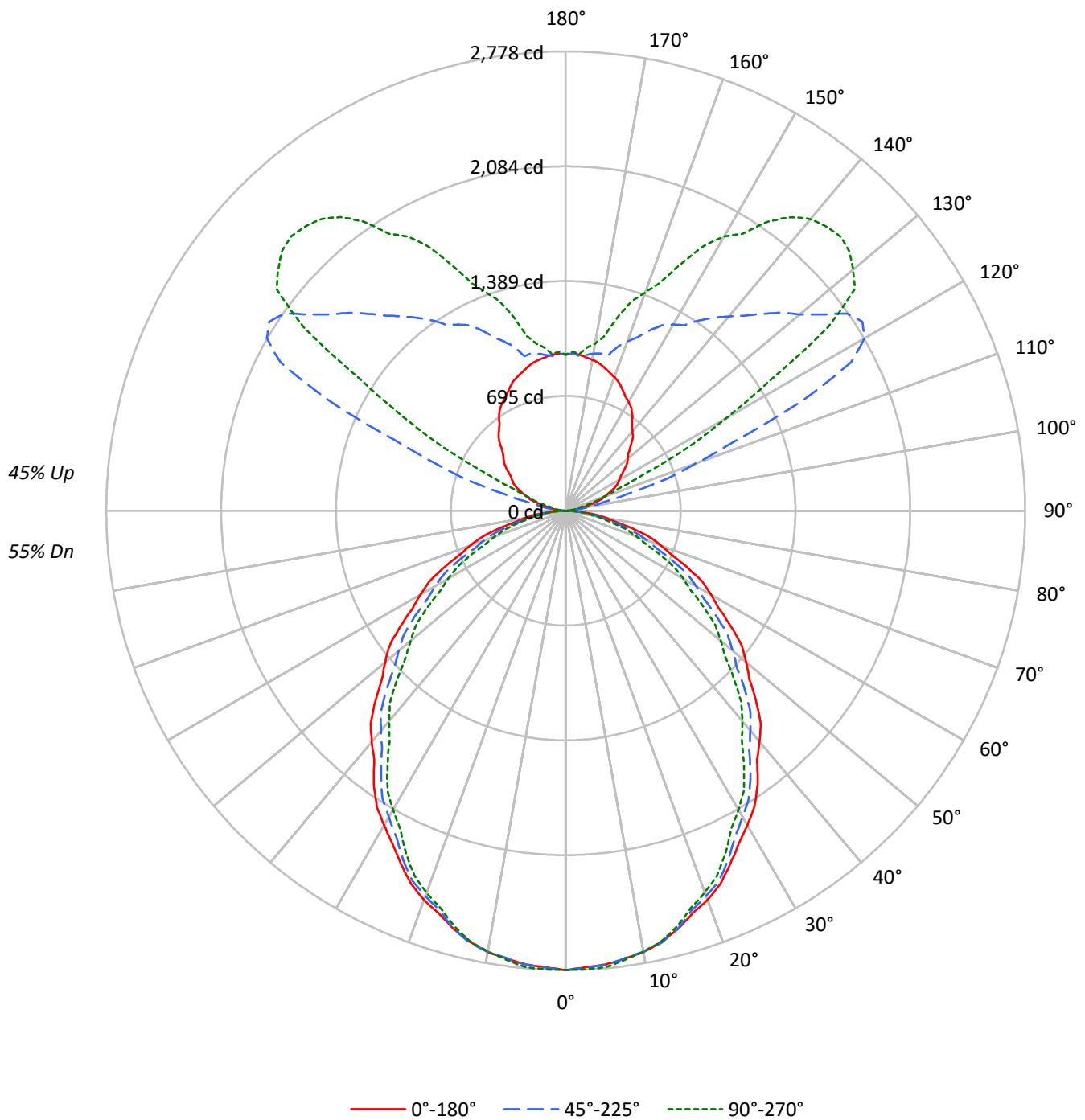
Input Watts (W): 88.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51
2	90	83	77	72	84	77	72	67	66	62	59	57	54	51	47	45	44
3	83	73	66	60	76	68	62	57	59	54	50	50	47	43	42	40	37
4	76	65	57	51	70	61	54	48	52	47	43	45	41	37	38	35	32
5	69	58	50	44	64	54	47	41	47	41	37	40	36	33	34	31	28
6	64	52	44	38	59	49	41	36	42	37	32	37	32	29	31	28	25
7	59	47	39	34	55	44	37	32	39	33	29	33	29	25	28	25	22
8	55	43	35	30	51	40	33	28	35	30	25	31	26	23	26	23	20
9	51	39	32	27	48	37	30	25	32	27	23	28	24	20	24	21	18
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	22	19	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15719	15719	15719
5°	15644	15656	15745
10°	15576	15553	15553
15°	15337	15337	15244
20°	15088	14933	14803
25°	14708	14523	14264
30°	14347	13974	13638
35°	13969	13451	12974
40°	13466	12824	12271
45°	13009	12267	11510
50°	12539	11602	10768
55°	12028	10958	10062
60°	11476	10293	9266
65°	10831	9536	8427
70°	10087	8649	7508
75°	9143	7591	6686
80°	7972	6366	5913
85°	6147	5381	5381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 13009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.2	2.1
10°-20°	736.5	6.0
20°-30°	1070.0	8.8
30°-40°	1216.6	10.0
40°-50°	1181.0	9.7
50°-60°	997.1	8.2
60°-70°	709.4	5.8
70°-80°	379.0	3.1
80°-90°	100.1	0.8
90°-100°	63.8	0.5
100°-110°	334.3	2.7
110°-120°	841.6	6.9
120°-130°	1298.4	10.6
130°-140°	1188.6	9.7
140°-150°	877.2	7.2
150°-160°	559.2	4.6
160°-170°	294.4	2.4
170°-180°	91.7	0.8
0°-30°	2068.7	17.0
0°-40°	3285.3	26.9
0°-60°	5463.4	44.8
0°-90°	6652.0	54.5
90°-120°	1239.8	10.2
90°-150°	4604.1	37.7
90°-180°	5549.0	45.5
0°-180°	12201.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2778	2778	2778	2778	2778	
5°	2755	2790	2757	2753	2772	261
15°	2619	2642	2619	2603	2603	738
25°	2356	2364	2327	2295	2285	1086
35°	2023	2003	1948	1890	1879	1260
45°	1626	1601	1533	1460	1439	1254
55°	1220	1187	1111	1040	1020	1090
65°	809	780	712	649	630	801
75°	418	395	347	312	306	446
85°	95	87	83	83	83	112
90°	0	0	0	0	0	5
95°	33	94	37	21	21	42
105°	170	528	382	157	129	182
115°	324	662	1588	690	524	316
125°	432	668	2078	2095	1937	387
135°	557	744	1683	2296	2348	430
145°	702	812	1405	1954	2136	437
155°	810	871	1205	1492	1646	374
165°	898	922	968	1132	1210	253
175°	948	968	939	944	952	90
180°	944	944	944	944	944	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2778.5	2778.5	2778.5	2778.5	2778.5
2.5°	2764.3	2792.0	2767.4	2770.7	2776.9
5°	2754.8	2789.5	2756.8	2753.2	2772.5
7.5°	2733.5	2765.1	2731.1	2723.2	2740.6
10°	2711.4	2746.1	2707.4	2697.8	2707.4
12.5°	2671.9	2708.2	2677.4	2661.4	2669.5
15°	2618.6	2641.8	2618.6	2602.8	2602.8
17.5°	2553.5	2577.8	2534.2	2523.0	2518.8
20°	2506.1	2527.4	2480.5	2464.6	2458.8
22.5°	2443.0	2462.7	2423.7	2396.6	2389.3
25°	2356.2	2363.9	2326.6	2294.8	2285.1
27.5°	2268.9	2270.9	2219.6	2181.0	2168.3
30°	2196.3	2198.3	2139.1	2097.4	2087.8
32.5°	2123.7	2117.9	2061.7	2012.3	2005.7
35°	2022.7	2003.4	1947.7	1890.2	1878.6
37.5°	1900.7	1889.1	1823.4	1765.7	1748.4
40°	1823.4	1804.1	1736.5	1678.9	1661.6
42.5°	1746.0	1723.6	1654.4	1590.5	1571.6
45°	1626.0	1600.9	1533.3	1459.8	1438.6
47.5°	1505.3	1477.9	1403.4	1332.3	1308.7
50°	1424.7	1395.8	1318.2	1248.6	1223.5
52.5°	1342.7	1312.2	1234.5	1163.4	1143.0
55°	1219.5	1186.7	1111.0	1039.5	1020.2
57.5°	1096.4	1064.0	988.6	921.0	897.9
60°	1014.3	983.4	909.7	842.1	818.9
62.5°	930.6	901.3	829.2	763.2	741.6
65°	809.1	780.1	712.4	648.8	629.5
67.5°	688.7	664.0	597.1	538.8	523.3
70°	609.8	586.6	522.9	469.3	453.9
72.5°	534.0	509.3	448.7	403.1	392.3
75°	418.3	395.2	347.3	311.7	305.9
77.5°	312.6	293.7	252.2	232.0	228.9
80°	244.7	227.3	195.4	181.5	181.5
82.5°	181.5	167.3	146.4	140.5	140.5
85°	94.7	87.0	82.9	82.9	82.9
87.5°	28.4	28.4	26.8	25.3	25.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.0	23.0	6.7	3.4	6.7
95°	33.3	94.2	37.4	20.8	20.8
97.5°	69.0	210.4	96.4	51.4	46.6
100°	95.6	298.8	149.6	74.6	66.5
102.5°	125.5	387.2	226.1	101.1	86.5
105°	170.4	528.0	382.4	157.3	128.8
107.5°	220.3	624.2	630.1	242.5	195.3
110°	253.5	664.0	839.6	318.4	245.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	283.5	674.4	1118.9	434.2	335.0
115°	324.2	661.5	1587.7	690.3	523.7
117.5°	354.1	629.7	1943.5	1098.2	847.1
120°	374.1	630.1	2086.5	1406.8	1126.4
122.5°	397.3	633.9	2126.4	1713.2	1455.5
125°	432.3	668.0	2078.2	2095.3	1936.8
127.5°	467.2	693.1	1948.5	2252.4	2202.8
130°	490.4	709.9	1845.4	2305.9	2269.3
132.5°	513.7	726.7	1772.2	2307.2	2325.9
135°	556.9	743.9	1683.3	2295.5	2348.3
137.5°	601.0	765.2	1600.2	2222.8	2332.5
140°	627.6	782.0	1533.7	2144.1	2302.6
142.5°	657.5	795.7	1470.5	2071.2	2239.4
145°	702.4	812.1	1404.8	1953.5	2136.3
147.5°	737.3	821.0	1330.8	1834.7	1985.9
150°	760.6	821.6	1300.9	1729.1	1916.1
152.5°	780.6	838.3	1264.3	1632.3	1803.0
155°	810.5	871.4	1205.3	1491.5	1645.9
157.5°	840.4	898.9	1135.5	1386.4	1491.3
160°	860.4	909.1	1089.0	1335.7	1404.8
162.5°	877.0	919.2	1039.1	1249.5	1328.4
165°	897.8	922.1	968.4	1132.3	1209.5
167.5°	916.9	929.1	974.2	1017.2	1079.8
170°	926.9	939.0	964.3	1006.3	1026.6
172.5°	936.8	955.5	951.0	979.6	996.7
175°	947.6	968.0	939.3	943.7	951.8
177.5°	950.1	959.9	953.5	953.7	963.4
180°	943.5	943.5	943.5	943.5	943.5

(END OF REPORT)