

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: P1057102

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057102
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-085U-085D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15025.5 lumens
Efficiency: N/A
Efficacy: 138.7 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

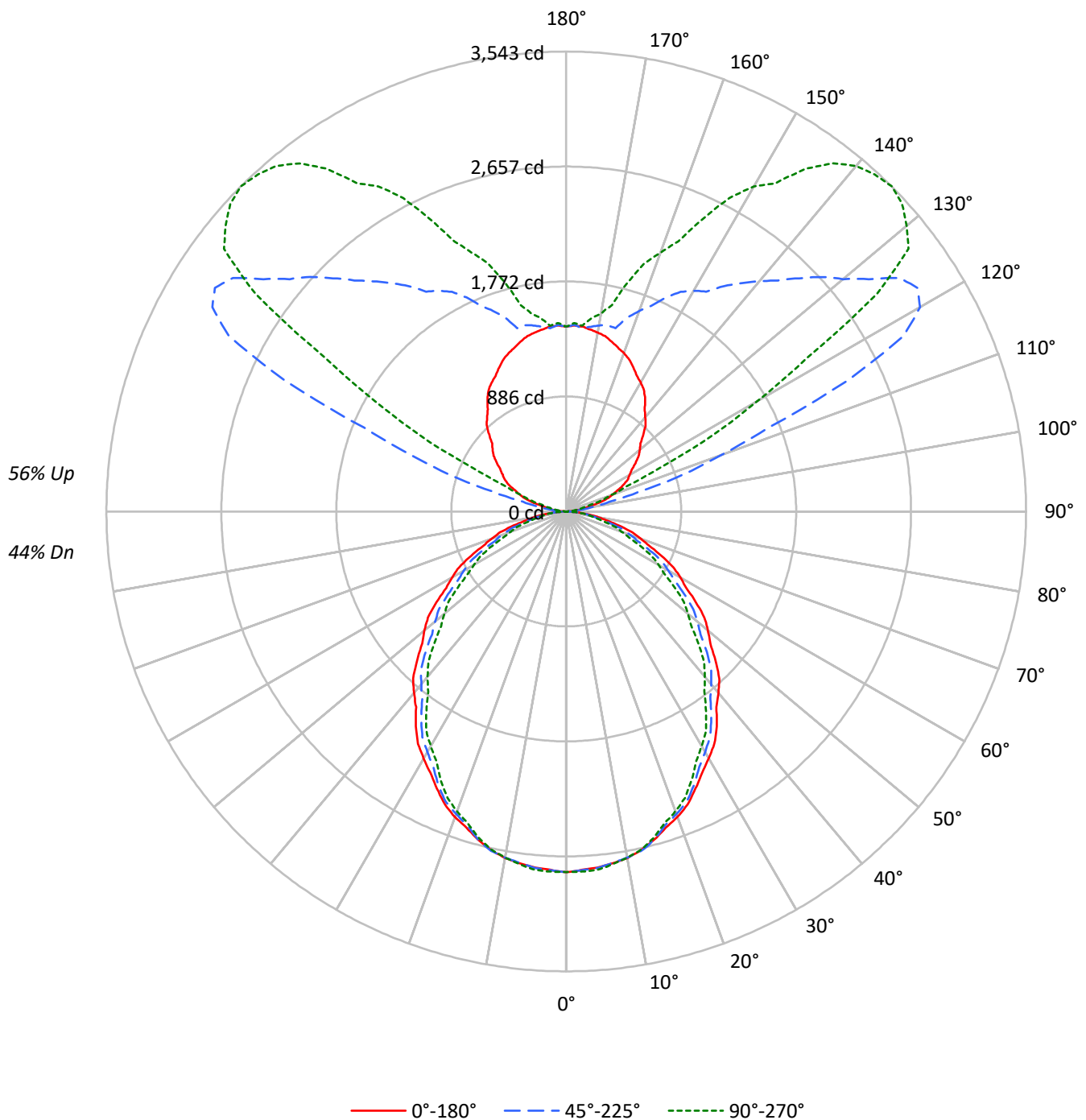
Input Watts (W): 108.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057102

CATALOG NUMBER: CB3-B-085U-085D-840-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



TEST NUMBER: P1057102

CATALOG NUMBER: CB3-B-085U-085D-840-1D-UNV-STD-W-8

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51
1	97	92	89	85	88	85	82	79	70	68	66	57	56	54	45	44	43
2	88	81	75	70	80	74	69	65	62	58	55	51	48	46	40	38	37
3	80	71	64	58	73	66	59	54	55	50	46	45	41	39	36	33	31
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24
6	62	50	43	37	57	47	40	34	39	34	30	33	28	25	26	23	21
7	58	46	38	32	53	42	35	30	36	30	26	30	26	22	24	21	19
8	53	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15
10	46	35	28	23	43	32	26	21	27	22	19	23	19	16	19	16	14

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

TEST NUMBER: P1057102

CATALOG NUMBER: CB3-B-085U-085D-840-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.2	1.7
10°-20°	736.5	4.9
20°-30°	1070.0	7.1
30°-40°	1216.6	8.1
40°-50°	1181.0	7.9
50°-60°	997.1	6.6
60°-70°	709.4	4.7
70°-80°	379.0	2.5
80°-90°	100.1	0.7
90°-100°	96.3	0.6
100°-110°	504.5	3.4
110°-120°	1270.0	8.5
120°-130°	1959.2	13.0
130°-140°	1793.6	11.9
140°-150°	1323.7	8.8
150°-160°	843.8	5.6
160°-170°	444.2	3.0
170°-180°	138.3	0.9
0°-30°	2068.7	13.8
0°-40°	3285.3	21.9
0°-60°	5463.4	36.4
0°-90°	6652.0	44.3
90°-120°	1870.7	12.5
90°-150°	6947.2	46.2
90°-180°	8374.0	55.7
0°-180°	15025.5	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	6
95°	50	142	56	31	31	64
105°	257	797	577	237	194	275
115°	489	998	2396	1042	790	476
125°	652	1008	3136	3162	2923	584
135°	840	1122	2540	3464	3543	649
145°	1060	1226	2120	2948	3224	659
155°	1223	1315	1819	2250	2484	564
165°	1355	1392	1461	1708	1825	382
175°	1430	1461	1417	1424	1436	135
180°	1424	1424	1424	1424	1424	

TEST NUMBER: P1057102

CATALOG NUMBER: CB3-B-085U-085D-840-1D-UNV-STD-W-8

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°	15.1	34.7	10.0	5.1	10.0
95°	50.2	142.2	56.4	31.4	31.4
97.5°	104.1	317.5	145.5	77.6	70.2
100°	144.2	450.9	225.8	112.6	100.3
102.5°	189.4	584.3	341.2	152.5	130.4
105°	257.1	796.8	577.0	237.3	194.4
107.5°	332.4	941.9	950.8	365.9	294.8
110°	382.6	1001.9	1266.9	480.4	370.0

TEST NUMBER: P1057102

CATALOG NUMBER: CB3-B-085U-085D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	427.7	1017.6	1688.3	655.1	505.5
115°	489.2	998.2	2395.7	1041.6	790.2
117.5°	534.3	950.1	2932.6	1657.1	1278.1
120°	564.4	950.8	3148.3	2122.7	1699.6
122.5°	599.6	956.5	3208.5	2585.1	2196.3
125°	652.2	1007.9	3135.8	3161.7	2922.6
127.5°	704.9	1045.9	2940.1	3398.8	3323.9
130°	740.0	1071.2	2784.6	3479.5	3424.3
132.5°	775.2	1096.5	2674.2	3481.4	3509.6
135°	840.4	1122.5	2540.0	3463.7	3543.4
137.5°	906.9	1154.6	2414.6	3354.0	3519.6
140°	947.0	1180.0	2314.2	3235.3	3474.5
142.5°	992.2	1200.7	2218.9	3125.3	3379.1
145°	1059.9	1225.5	2119.8	2947.6	3223.6
147.5°	1112.6	1238.9	2008.2	2768.4	2996.6
150°	1147.7	1239.7	1963.0	2609.1	2891.2
152.5°	1177.8	1264.9	1907.8	2463.1	2720.6
155°	1223.0	1314.9	1818.8	2250.5	2483.5
157.5°	1268.1	1356.4	1713.4	2092.0	2250.2
160°	1298.2	1371.8	1643.2	2015.5	2119.8
162.5°	1323.3	1387.1	1567.9	1885.4	2004.4
165°	1354.7	1391.5	1461.3	1708.5	1825.0
167.5°	1383.5	1401.9	1470.1	1534.9	1629.4
170°	1398.6	1417.0	1455.0	1518.4	1549.1
172.5°	1413.6	1441.8	1434.9	1478.2	1503.9
175°	1429.9	1460.6	1417.4	1423.9	1436.2
177.5°	1433.7	1448.4	1438.7	1439.0	1453.8
180°	1423.6	1423.6	1423.6	1423.6	1423.6

(END OF REPORT)