

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: P1057100

Luminaire Tested: CB3-B-085U-085D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057100
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13958.0 lumens
Efficiency: N/A
Efficacy: 128.9 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

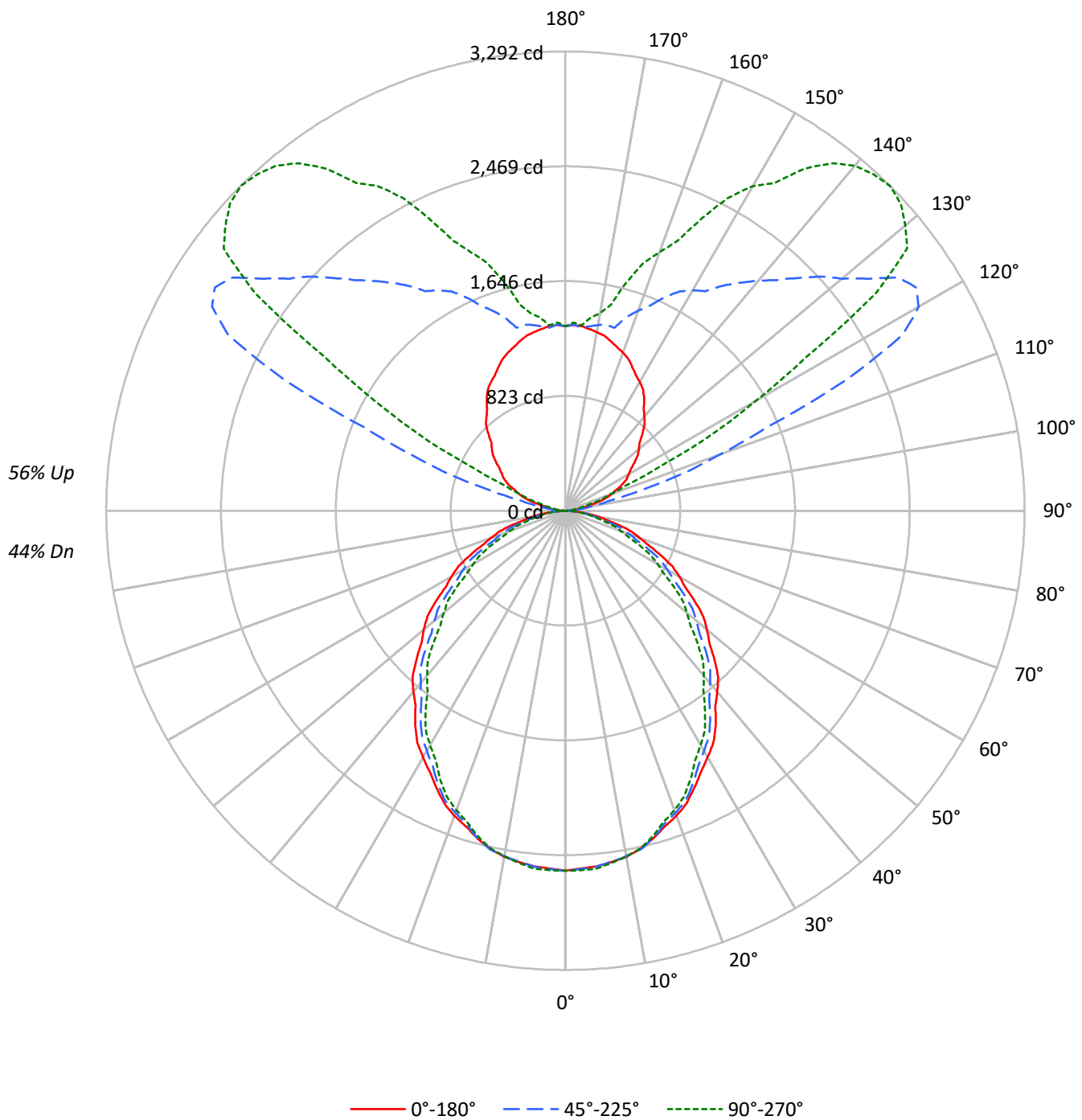
Input Watts (W): 108.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057100

CATALOG NUMBER: CB3-B-085U-085D-830-1D-UNV-STD-W-8

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	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°	14602	14602	14602
5°	14533	14543	14627
10°	14469	14448	14448
15°	14247	14247	14161
20°	14016	13873	13751
25°	13663	13491	13251
30°	13328	12981	12670
35°	12977	12496	12052
40°	12509	11914	11399
45°	12085	11395	10692
50°	11648	10777	10003
55°	11174	10180	9347
60°	10661	9562	8608
65°	10061	8859	7828
70°	9369	8036	6974
75°	8494	7051	6210
80°	7405	5913	5493
85°	5712	4998	4998

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12085 cd/sqm

TEST NUMBER: P1057100

CATALOG NUMBER: CB3-B-085U-085D-830-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.5	1.7
10°-20°	684.2	4.9
20°-30°	994.0	7.1
30°-40°	1130.1	8.1
40°-50°	1097.1	7.9
50°-60°	926.3	6.6
60°-70°	659.0	4.7
70°-80°	352.1	2.5
80°-90°	93.0	0.7
90°-100°	89.4	0.6
100°-110°	468.7	3.4
110°-120°	1179.7	8.5
120°-130°	1820.0	13.0
130°-140°	1666.1	11.9
140°-150°	1229.7	8.8
150°-160°	783.8	5.6
160°-170°	412.7	3.0
170°-180°	128.5	0.9
0°-30°	1921.7	13.8
0°-40°	3051.9	21.9
0°-60°	5075.2	36.4
0°-90°	6179.4	44.3
90°-120°	1737.8	12.5
90°-150°	6453.6	46.2
90°-180°	7779.0	55.7
0°-180°	13958.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2581	2581	2581	2581	2581	
5°	2559	2591	2561	2558	2576	243
15°	2433	2454	2433	2418	2418	685
25°	2189	2196	2161	2132	2123	1008
35°	1879	1861	1809	1756	1745	1171
45°	1510	1487	1424	1356	1336	1165
55°	1133	1102	1032	966	948	1013
65°	752	725	662	603	585	744
75°	389	367	323	290	284	414
85°	88	81	77	77	77	104
90°	0	0	0	0	0	6
95°	47	132	52	29	29	59
105°	239	740	536	220	181	255
115°	454	927	2226	968	734	443
125°	606	936	2913	2937	2715	542
135°	781	1043	2360	3218	3292	603
145°	985	1138	1969	2738	2995	612
155°	1136	1222	1690	2091	2307	524
165°	1258	1293	1358	1587	1695	355
175°	1328	1357	1317	1323	1334	126
180°	1322	1322	1322	1322	1322	

TEST NUMBER: P1057100

CATALOG NUMBER: CB3-B-085U-085D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2581.1	2581.1	2581.1	2581.1	2581.1
2.5°	2567.9	2593.7	2570.8	2573.9	2579.6
5°	2559.1	2591.3	2560.9	2557.6	2575.6
7.5°	2539.3	2568.7	2537.1	2529.7	2545.9
10°	2518.7	2551.0	2515.1	2506.1	2515.1
12.5°	2482.1	2515.8	2487.2	2472.3	2479.9
15°	2432.6	2454.1	2432.6	2417.9	2417.9
17.5°	2372.1	2394.7	2354.1	2343.8	2339.8
20°	2328.1	2347.8	2304.3	2289.5	2284.1
22.5°	2269.4	2287.7	2251.5	2226.4	2219.6
25°	2188.8	2195.9	2161.3	2131.7	2122.8
27.5°	2107.7	2109.5	2061.9	2026.1	2014.3
30°	2040.3	2042.1	1987.1	1948.4	1939.5
32.5°	1972.8	1967.4	1915.3	1869.3	1863.2
35°	1879.0	1861.0	1809.3	1755.9	1745.1
37.5°	1765.7	1754.9	1693.8	1640.3	1624.2
40°	1693.8	1675.9	1613.2	1559.6	1543.5
42.5°	1622.0	1601.2	1536.9	1477.5	1459.9
45°	1510.5	1487.2	1424.3	1356.1	1336.4
47.5°	1398.3	1372.9	1303.7	1237.6	1215.7
50°	1323.5	1296.6	1224.5	1159.8	1136.5
52.5°	1247.3	1218.9	1146.8	1080.8	1061.8
55°	1132.9	1102.4	1032.1	965.7	947.7
57.5°	1018.5	988.4	918.4	855.6	834.1
60°	942.2	913.6	845.1	782.3	760.8
62.5°	864.5	837.3	770.3	709.0	688.9
65°	751.6	724.7	661.8	602.7	584.8
67.5°	639.8	616.8	554.7	500.5	486.1
70°	566.4	544.9	485.8	436.0	421.6
72.5°	496.0	473.1	416.9	374.5	364.4
75°	388.6	367.1	322.6	289.5	284.1
77.5°	290.4	272.8	234.3	215.5	212.6
80°	227.3	211.2	181.5	168.6	168.6
82.5°	168.6	155.4	136.0	130.5	130.5
85°	88.0	80.8	77.0	77.0	77.0
87.5°	26.4	26.4	24.9	23.5	23.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	14.0	32.2	9.3	4.8	9.3
95°	46.6	132.1	52.4	29.1	29.1
97.5°	96.7	295.0	135.2	72.1	65.3
100°	134.0	418.8	209.7	104.6	93.2
102.5°	175.9	542.8	316.9	141.7	121.2
105°	238.9	740.2	536.0	220.5	180.6
107.5°	308.8	875.0	883.2	339.9	273.8
110°	355.4	930.7	1176.9	446.3	343.7

TEST NUMBER: P1057100

CATALOG NUMBER: CB3-B-085U-085D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	397.3	945.3	1568.4	608.6	469.6
115°	454.4	927.2	2225.5	967.6	734.1
117.5°	496.4	882.6	2724.2	1539.4	1187.3
120°	524.3	883.2	2924.7	1971.9	1578.8
122.5°	557.0	888.5	2980.6	2401.4	2040.3
125°	605.9	936.3	2913.0	2937.1	2714.9
127.5°	654.8	971.6	2731.2	3157.3	3087.8
130°	687.5	995.1	2586.7	3232.3	3181.0
132.5°	720.1	1018.6	2484.2	3234.0	3260.2
135°	780.7	1042.7	2359.5	3217.6	3291.7
137.5°	842.4	1072.6	2243.0	3115.7	3269.6
140°	879.7	1096.2	2149.8	3005.4	3227.6
142.5°	921.7	1115.4	2061.2	2903.2	3139.1
145°	984.6	1138.4	1969.2	2738.2	2994.6
147.5°	1033.5	1150.9	1865.5	2571.8	2783.7
150°	1066.2	1151.6	1823.5	2423.7	2685.8
152.5°	1094.1	1175.0	1772.3	2288.1	2527.3
155°	1136.1	1221.5	1689.5	2090.6	2307.1
157.5°	1178.0	1260.0	1591.7	1943.4	2090.4
160°	1206.0	1274.3	1526.4	1872.3	1969.2
162.5°	1229.3	1288.5	1456.5	1751.5	1862.0
165°	1258.4	1292.6	1357.5	1587.1	1695.4
167.5°	1285.2	1302.3	1365.6	1425.9	1513.6
170°	1299.2	1316.3	1351.6	1410.5	1439.0
172.5°	1313.2	1339.4	1333.0	1373.2	1397.1
175°	1328.3	1356.8	1316.7	1322.8	1334.2
177.5°	1331.8	1345.5	1336.5	1336.8	1350.5
180°	1322.5	1322.5	1322.5	1322.5	1322.5

(END OF REPORT)