

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: P1439454

Luminaire Tested: CB3-B-085U-085D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439454
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-085U-085D-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

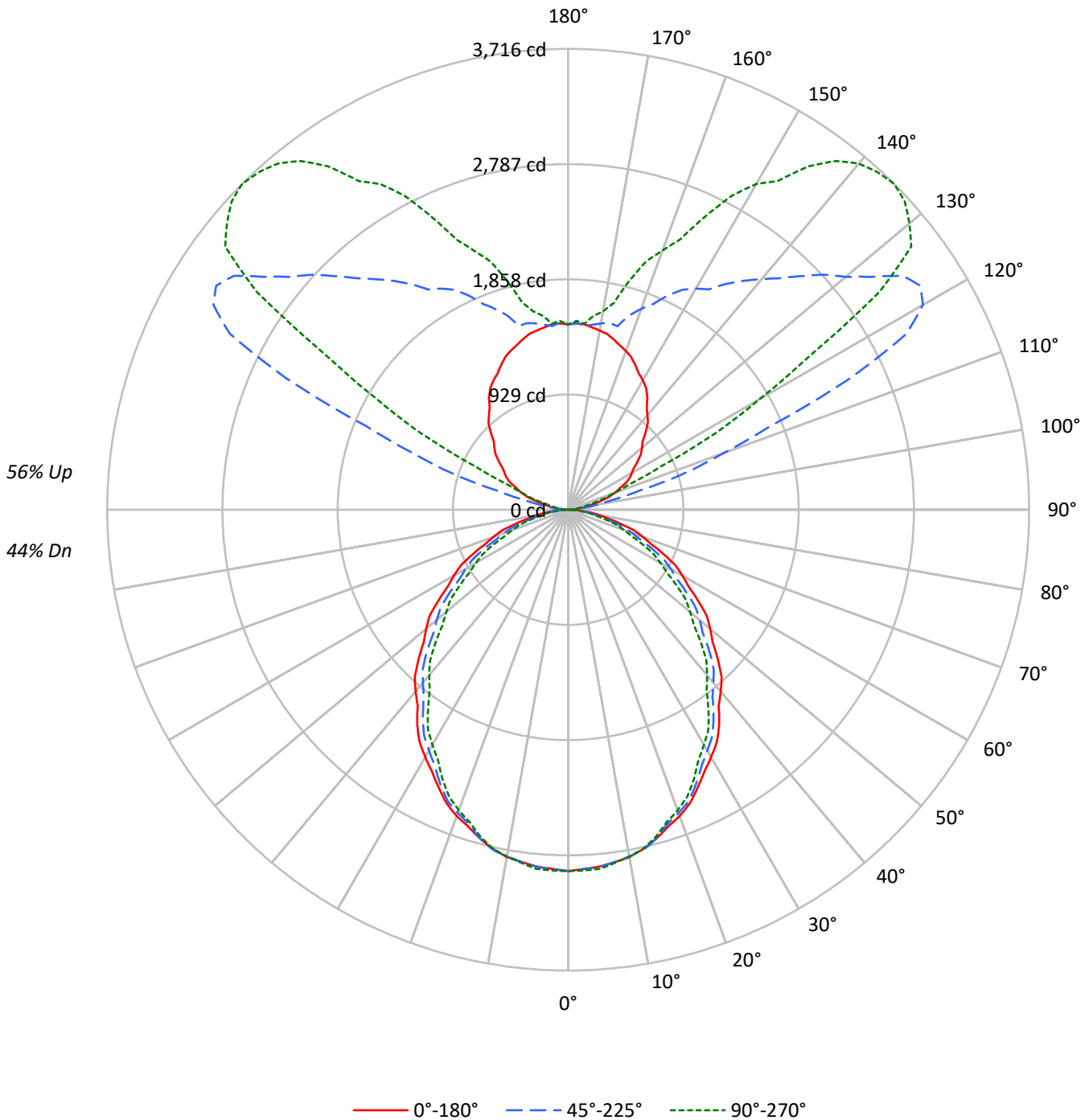
Lumens per Lamp: N/A
Luminaire Lumens: 15757.1 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 108.3
Input Voltage (V): 120
Input Current (A_{in}): 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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	92	89	85	88	85	82	79	70	68	66	57	56	54	45	44	43	38
2	88	81	75	70	80	74	69	65	62	58	55	51	48	46	40	38	37	32
3	80	71	64	58	73	66	59	54	55	50	46	45	41	39	36	33	31	27
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27	23
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	20
6	62	50	43	37	57	47	40	34	39	34	30	33	28	25	26	23	21	18
7	58	46	38	32	53	42	35	30	36	30	26	30	26	22	24	21	19	16
8	53	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17	14
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15	13
10	46	35	28	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16484	16484	16484
5°	16406	16418	16511
10°	16334	16310	16310
15°	16084	16084	15987
20°	15823	15660	15523
25°	15424	15230	14959
30°	15046	14654	14302
35°	14649	14106	13606
40°	14121	13449	12868
45°	13643	12864	12070
50°	13150	12167	11292
55°	12614	11492	10553
60°	12035	10794	9717
65°	11358	10001	8836
70°	10576	9071	7873
75°	9589	7961	7012
80°	8360	6675	6203
85°	6446	5641	5641

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13643 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.9	1.7
10°-20°	772.4	4.9
20°-30°	1122.1	7.1
30°-40°	1275.8	8.1
40°-50°	1238.5	7.9
50°-60°	1045.7	6.6
60°-70°	744.0	4.7
70°-80°	397.5	2.5
80°-90°	105.0	0.7
90°-100°	101.0	0.6
100°-110°	529.1	3.4
110°-120°	1331.8	8.5
120°-130°	2054.6	13.0
130°-140°	1880.9	11.9
140°-150°	1388.1	8.8
150°-160°	884.9	5.6
160°-170°	465.8	3.0
170°-180°	145.0	0.9
0°-30°	2169.4	13.8
0°-40°	3445.2	21.9
0°-60°	5729.4	36.4
0°-90°	6975.9	44.3
90°-120°	1961.9	12.5
90°-150°	7285.5	46.2
90°-180°	8781.0	55.7
0°-180°	15757.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2914	2914	2914	2914	2914	
5°	2889	2925	2891	2887	2908	274
15°	2746	2770	2746	2730	2730	774
25°	2471	2479	2440	2406	2396	1138
35°	2121	2101	2042	1982	1970	1322
45°	1705	1679	1608	1531	1509	1315
55°	1279	1244	1165	1090	1070	1143
65°	848	818	747	680	660	840
75°	439	414	364	327	321	468
85°	99	91	87	87	87	118
90°	0	0	0	0	0	6
95°	53	149	59	33	33	67
105°	270	836	605	249	204	288
115°	513	1047	2512	1092	829	500
125°	684	1057	3288	3316	3065	612
135°	881	1177	2664	3632	3716	681
145°	1112	1285	2223	3091	3380	691
155°	1282	1379	1907	2360	2604	591
165°	1421	1459	1532	1792	1914	400
175°	1500	1532	1486	1493	1506	142
180°	1493	1493	1493	1493	1493	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2913.7	2913.7	2913.7	2913.7	2913.7
2.5°	2898.8	2928.0	2902.1	2905.6	2912.1
5°	2888.9	2925.3	2891.0	2887.3	2907.5
7.5°	2866.5	2899.7	2864.1	2855.8	2874.0
10°	2843.4	2879.8	2839.2	2829.1	2839.2
12.5°	2802.0	2840.0	2807.8	2791.0	2799.5
15°	2746.1	2770.4	2746.1	2729.6	2729.6
17.5°	2677.8	2703.3	2657.5	2645.8	2641.4
20°	2628.2	2650.4	2601.2	2584.6	2578.5
22.5°	2561.9	2582.6	2541.6	2513.3	2505.6
25°	2470.9	2479.0	2439.8	2406.5	2396.4
27.5°	2379.4	2381.4	2327.7	2287.2	2273.9
30°	2303.3	2305.3	2243.2	2199.6	2189.4
32.5°	2227.1	2221.0	2162.1	2110.2	2103.3
35°	2121.1	2100.9	2042.5	1982.2	1970.1
37.5°	1993.3	1981.1	1912.1	1851.7	1833.5
40°	1912.1	1891.9	1821.1	1760.7	1742.4
42.5°	1831.0	1807.5	1735.0	1667.9	1648.1
45°	1705.2	1678.9	1607.9	1530.9	1508.6
47.5°	1578.5	1549.8	1471.8	1397.1	1372.4
50°	1494.1	1463.8	1382.4	1309.3	1283.0
52.5°	1408.0	1376.1	1294.6	1220.1	1198.6
55°	1278.9	1244.5	1165.1	1090.1	1069.9
57.5°	1149.8	1115.8	1036.8	965.9	941.6
60°	1063.7	1031.3	954.0	883.1	858.8
62.5°	975.9	945.2	869.6	800.3	777.7
65°	848.5	818.1	747.1	680.4	660.1
67.5°	722.2	696.3	626.2	565.0	548.8
70°	639.4	615.2	548.4	492.2	476.0
72.5°	560.0	534.1	470.6	422.7	411.4
75°	438.7	414.4	364.2	326.8	320.8
77.5°	327.8	308.0	264.5	243.3	240.1
80°	256.6	238.4	204.9	190.4	190.4
82.5°	190.4	175.4	153.6	147.3	147.3
85°	99.3	91.2	86.9	86.9	86.9
87.5°	29.8	29.8	28.1	26.5	26.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	15.8	36.4	10.5	5.4	10.5
95°	52.6	149.1	59.2	32.9	32.9
97.5°	109.2	333.0	152.6	81.4	73.7
100°	151.3	472.8	236.8	118.1	105.2
102.5°	198.6	612.8	357.8	160.0	136.8
105°	269.7	835.6	605.1	248.9	203.9
107.5°	348.6	987.8	997.1	383.7	309.1
110°	401.2	1050.7	1328.5	503.8	388.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	448.5	1067.2	1770.5	687.0	530.1
115°	513.0	1046.8	2512.4	1092.4	828.7
117.5°	560.4	996.4	3075.4	1737.8	1340.4
120°	591.9	997.1	3301.6	2226.1	1782.3
122.5°	628.8	1003.0	3364.8	2710.9	2303.2
125°	684.0	1057.0	3288.5	3315.6	3064.8
127.5°	739.2	1096.8	3083.3	3564.2	3485.8
130°	776.1	1123.3	2920.2	3648.9	3591.0
132.5°	812.9	1149.9	2804.4	3650.9	3680.4
135°	881.3	1177.1	2663.7	3632.4	3716.0
137.5°	951.0	1210.8	2532.1	3517.3	3691.0
140°	993.1	1237.5	2426.9	3392.8	3643.6
142.5°	1040.5	1259.1	2326.9	3277.4	3543.6
145°	1111.5	1285.1	2223.0	3091.2	3380.5
147.5°	1166.7	1299.2	2105.9	2903.2	3142.5
150°	1203.6	1300.0	2058.6	2736.1	3032.0
152.5°	1235.1	1326.5	2000.7	2583.0	2853.1
155°	1282.5	1379.0	1907.3	2360.1	2604.5
157.5°	1329.9	1422.5	1796.8	2193.9	2359.8
160°	1361.4	1438.6	1723.2	2113.7	2223.0
162.5°	1387.7	1454.6	1644.2	1977.2	2102.0
165°	1420.6	1459.2	1532.4	1791.7	1913.9
167.5°	1450.9	1470.2	1541.6	1609.6	1708.7
170°	1466.7	1485.9	1525.8	1592.3	1624.5
172.5°	1482.4	1512.0	1504.8	1550.1	1577.1
175°	1499.5	1531.7	1486.4	1493.3	1506.1
177.5°	1503.5	1518.9	1508.7	1509.1	1524.5
180°	1493.0	1493.0	1493.0	1493.0	1493.0



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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	16.33	17.13	17.34	18.15	19.50	15.25	16.05	16.26	17.07	18.42
	3H	17.99	18.71	19.01	19.74	21.11	16.66	17.38	17.68	18.40	19.78
	4H	18.62	19.30	19.65	20.33	21.71	17.18	17.86	18.21	18.88	20.26
	6H	19.00	19.63	20.04	20.66	22.05	17.49	18.12	18.53	19.15	20.54
	8H	19.14	19.73	20.18	20.78	22.17	17.61	18.21	18.66	19.26	20.64
	12H	19.20	19.77	20.25	20.81	22.22	17.69	18.25	18.74	19.29	20.71
4H	2H	16.73	17.41	17.77	18.44	19.82	15.87	16.55	16.91	17.58	18.96
	3H	18.62	19.18	19.66	20.24	21.63	17.49	18.05	18.53	19.11	20.50
	4H	19.36	19.88	20.41	20.93	22.34	18.09	18.61	19.14	19.66	21.07
	6H	19.86	20.31	20.92	21.38	22.79	18.50	18.95	19.56	20.02	21.43
	8H	20.05	20.47	21.11	21.53	22.96	18.67	19.08	19.73	20.15	21.57
	12H	20.15	20.52	21.22	21.60	23.03	18.77	19.15	19.85	20.22	21.66
8H	4H	19.49	19.90	20.55	20.97	22.39	18.35	18.76	19.41	19.83	21.25
	6H	20.10	20.45	21.19	21.55	22.98	18.87	19.22	19.96	20.32	21.75
	8H	20.38	20.68	21.47	21.77	23.21	19.13	19.43	20.22	20.52	21.96
	12H	20.54	20.81	21.64	21.89	23.37	19.30	19.56	20.39	20.65	22.13
12H	4H	19.46	19.83	20.54	20.91	22.34	18.35	18.72	19.43	19.80	21.23
	6H	20.12	20.42	21.21	21.51	22.95	18.93	19.23	20.02	20.32	21.76
	8H	20.42	20.68	21.51	21.77	23.25	19.21	19.48	20.30	20.56	22.04