

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: P1439462

Luminaire Tested: CB3-B-085U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439462  
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-120D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

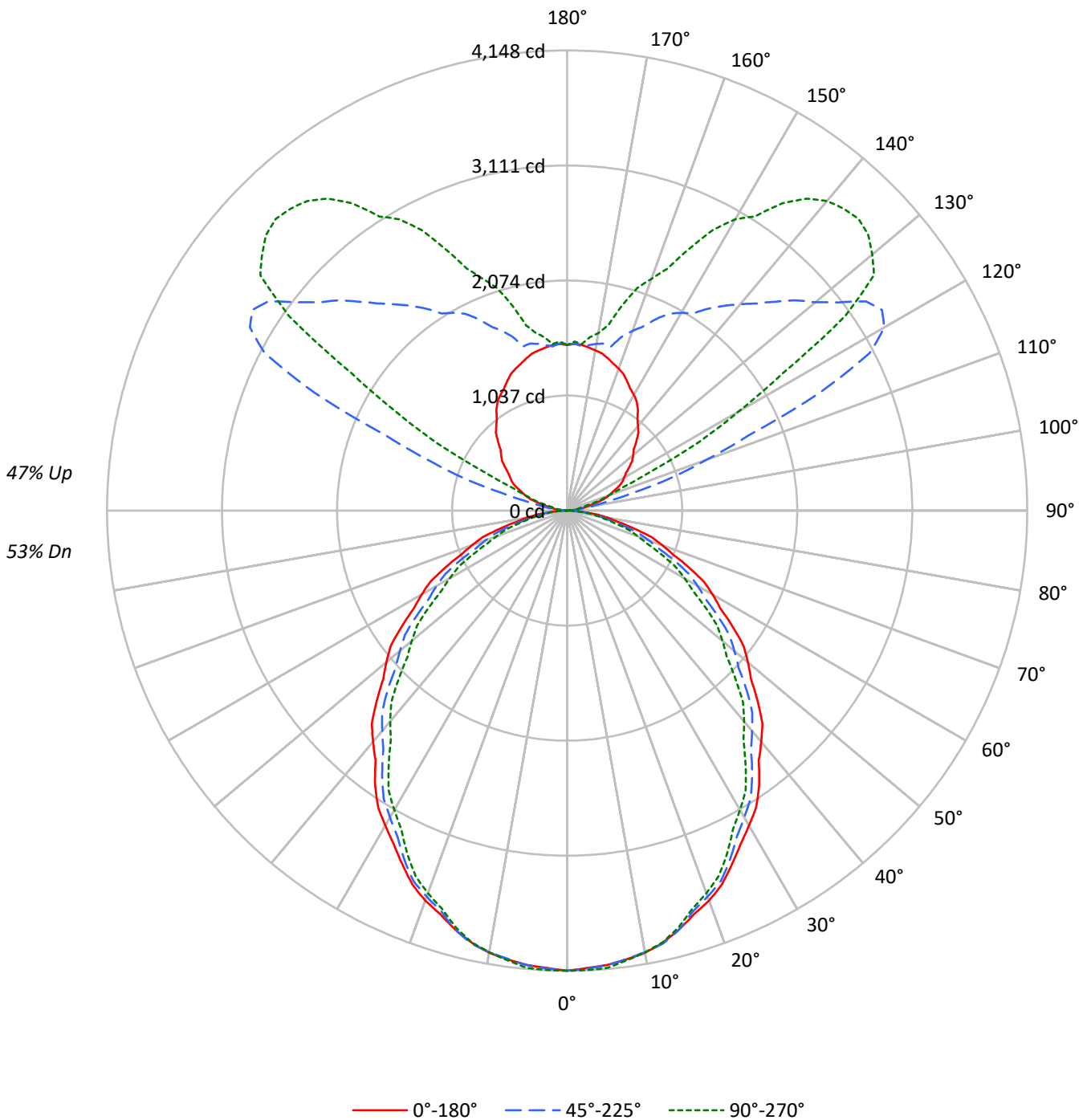
Lumens per Lamp: N/A  
Luminaire Lumens: 18711.7 lumens  
Efficiency: N/A  
Efficacy: 140.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 133.1  
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	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	85	85	85	71	71	71	59	59	59	53
1	99	94	91	87	91	88	84	81	75	72	70	63	61	60	52	51	50	45
2	90	83	77	71	83	77	72	67	66	62	58	56	53	50	46	44	43	38
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	39	36	32
4	75	65	57	51	70	60	53	48	52	46	42	44	40	37	37	34	32	28
5	69	58	50	44	64	54	47	41	47	41	37	40	35	32	33	30	28	24
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	30	27	24	22
7	59	47	39	33	55	44	37	32	38	32	28	33	28	25	28	24	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	26	22	20	17
9	51	39	31	26	47	37	30	25	32	26	23	28	23	20	24	20	18	16
10	48	36	29	24	44	34	27	23	29	24	20	26	21	18	22	19	16	14

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	23465	23465	23465
5°	23354	23371	23505
10°	23252	23218	23218
15°	22896	22896	22758
20°	22524	22293	22098
25°	21956	21680	21294
30°	21419	20861	20360
35°	20854	20081	19369
40°	20102	19145	18319
45°	19421	18313	17182
50°	18719	17320	16075
55°	17957	16358	15022
60°	17133	15366	13833
65°	16168	14236	12579
70°	15057	12913	11208
75°	13650	11333	9980
80°	11901	9500	8829
85°	9178	8029	8029

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19421 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	391.4	2.1
10°-20°	1099.5	5.9
20°-30°	1597.4	8.5
30°-40°	1816.2	9.7
40°-50°	1763.1	9.4
50°-60°	1488.5	8.0
60°-70°	1059.1	5.7
70°-80°	565.9	3.0
80°-90°	149.5	0.8
90°-100°	101.0	0.5
100°-110°	529.1	2.8
110°-120°	1331.8	7.1
120°-130°	2054.6	11.0
130°-140°	1880.9	10.1
140°-150°	1388.1	7.4
150°-160°	884.9	4.7
160°-170°	465.8	2.5
170°-180°	145.0	0.8
0°-30°	3088.3	16.5
0°-40°	4904.4	26.2
0°-60°	8156.1	43.6
0°-90°	9930.5	53.1
90°-120°	1961.9	10.5
90°-150°	7285.5	38.9
90°-180°	8781.0	46.9
0°-180°	18711.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4148	4148	4148	4148	4148	
5°	4112	4164	4115	4110	4139	390
15°	3909	3944	3909	3886	3886	1101
25°	3517	3529	3473	3426	3411	1621
35°	3020	2991	2908	2822	2804	1882
45°	2427	2390	2289	2179	2148	1872
55°	1821	1772	1658	1552	1523	1628
65°	1208	1165	1064	969	940	1196
75°	624	590	518	465	457	666
85°	141	130	124	124	124	168
90°	0	0	0	0	0	8
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°	4147.8	4147.8	4147.8	4147.8	4147.8
2.5°	4126.6	4168.1	4131.3	4136.3	4145.5
5°	4112.5	4164.3	4115.4	4110.2	4139.0
7.5°	4080.7	4127.9	4077.1	4065.4	4091.3
10°	4047.7	4099.5	4041.8	4027.4	4041.8
12.5°	3988.8	4042.9	3997.0	3973.1	3985.2
15°	3909.2	3943.8	3909.2	3885.7	3885.7
17.5°	3812.0	3848.3	3783.1	3766.5	3760.2
20°	3741.3	3773.0	3703.0	3679.2	3670.6
22.5°	3647.0	3676.4	3618.2	3577.9	3566.9
25°	3517.4	3528.9	3473.2	3425.8	3411.4
27.5°	3387.2	3390.1	3313.6	3256.0	3237.0
30°	3278.8	3281.7	3193.4	3131.2	3116.8
32.5°	3170.4	3161.7	3077.9	3004.0	2994.2
35°	3019.6	2990.8	2907.6	2821.8	2804.5
37.5°	2837.5	2820.2	2722.0	2636.0	2610.1
40°	2722.0	2693.2	2592.4	2506.4	2480.5
42.5°	2606.5	2573.1	2469.9	2374.4	2346.1
45°	2427.4	2390.0	2289.0	2179.3	2147.6
47.5°	2247.1	2206.2	2095.1	1988.9	1953.7
50°	2126.9	2083.7	1967.9	1863.9	1826.5
52.5°	2004.4	1958.9	1843.0	1736.8	1706.3
55°	1820.6	1771.6	1658.5	1551.8	1523.0
57.5°	1636.7	1588.4	1475.9	1375.0	1340.4
60°	1514.2	1468.1	1358.1	1257.1	1222.6
62.5°	1389.3	1345.5	1237.9	1139.3	1107.1
65°	1207.8	1164.6	1063.5	968.6	939.7
67.5°	1028.1	991.3	891.4	804.3	781.3
70°	910.3	875.7	780.7	700.6	677.6
72.5°	797.2	760.3	669.9	601.8	585.6
75°	624.5	590.0	518.5	465.3	456.6
77.5°	466.6	438.4	376.5	346.3	341.7
80°	365.3	339.4	291.6	271.0	271.0
82.5°	271.0	249.7	218.6	209.7	209.7
85°	141.4	129.9	123.7	123.7	123.7
87.5°	42.4	42.4	40.1	37.7	37.7
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	18.39	19.27	19.33	20.22	21.45	17.31	18.19	18.25	19.14	20.37
	3H	20.06	20.85	21.01	21.80	23.06	18.73	19.52	19.67	20.47	21.72
	4H	20.69	21.44	21.65	22.40	23.66	19.25	19.99	20.21	20.95	22.21
	6H	21.08	21.76	22.05	22.73	24.00	19.57	20.25	20.54	21.22	22.49
	8H	21.22	21.87	22.19	22.85	24.12	19.69	20.34	20.67	21.33	22.60
	12H	21.28	21.90	22.27	22.88	24.18	19.77	20.39	20.75	21.36	22.66
4H	2H	18.80	19.55	19.77	20.51	21.77	17.94	18.69	18.91	19.65	20.91
	3H	20.69	21.31	21.67	22.31	23.58	19.56	20.18	20.54	21.18	22.45
	4H	21.44	22.01	22.43	23.00	24.29	20.17	20.74	21.16	21.72	23.02
	6H	21.95	22.43	22.94	23.44	24.74	20.59	21.07	21.58	22.08	23.38
	8H	22.14	22.59	23.14	23.60	24.91	20.76	21.21	21.75	22.21	23.52
	12H	22.24	22.65	23.25	23.67	24.98	20.86	21.27	21.88	22.29	23.61
8H	4H	21.57	22.03	22.57	23.03	24.34	20.44	20.89	21.43	21.89	23.20
	6H	22.19	22.57	23.22	23.61	24.92	20.96	21.34	21.99	22.38	23.69
	8H	22.47	22.80	23.50	23.83	25.16	21.22	21.55	22.25	22.58	23.91
	12H	22.63	22.93	23.67	23.95	25.32	21.39	21.69	22.43	22.71	24.08
12H	4H	21.55	21.96	22.56	22.98	24.29	20.44	20.85	21.45	21.87	23.18
	6H	22.21	22.54	23.24	23.57	24.90	21.02	21.35	22.05	22.38	23.71
	8H	22.51	22.80	23.54	23.83	25.20	21.30	21.60	22.34	22.62	23.99