

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: P1439438

Luminaire Tested: CB3-B-085U-030D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439438  
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-030D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

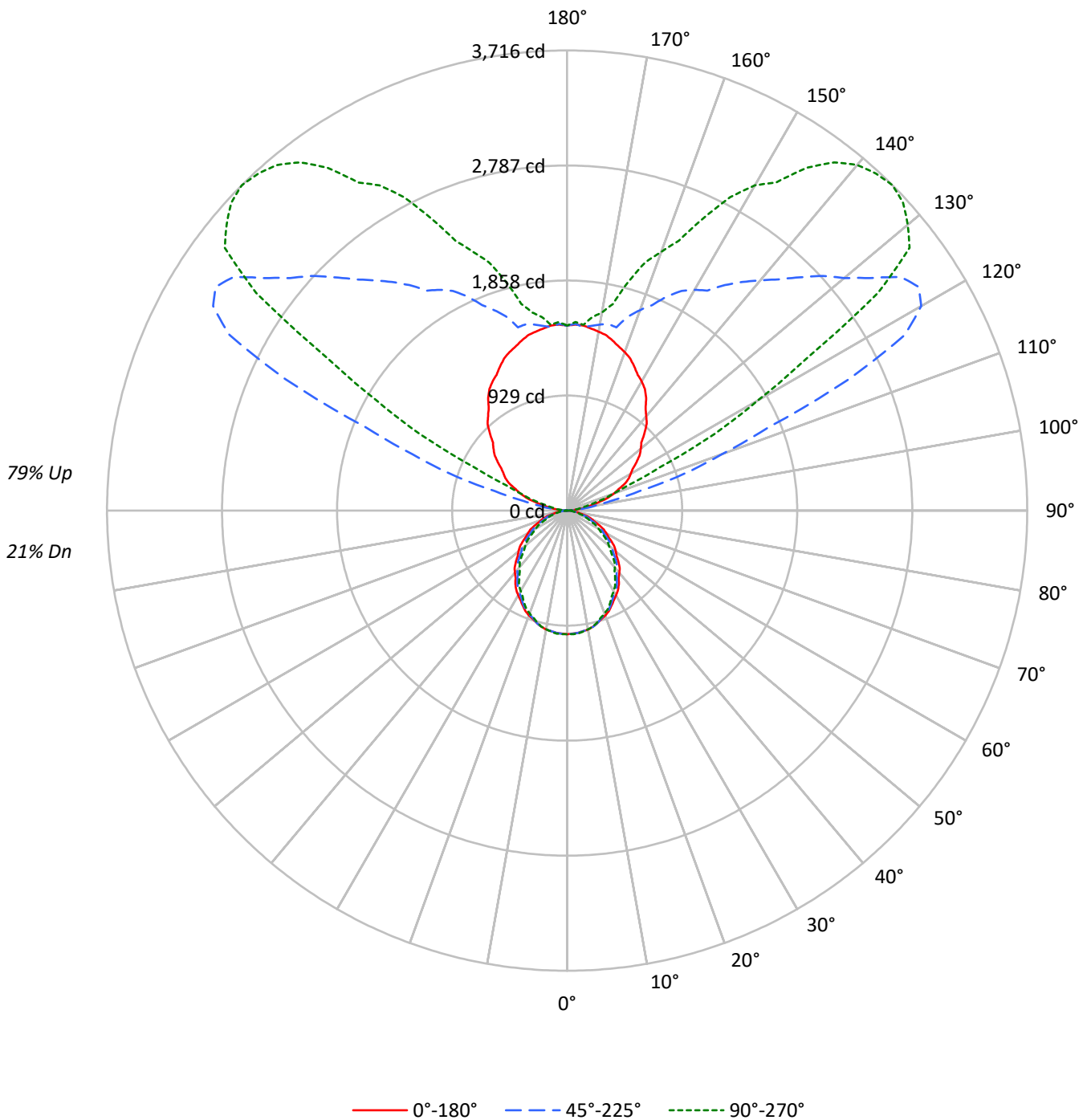
Lumens per Lamp: N/A  
Luminaire Lumens: 11173.6 lumens  
Efficiency: N/A  
Efficacy: 153.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 73  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	50	30	10	0	
RCR																						
0	100	100	100	100	89	89	89	89	67	67	67	48	48	48	30	30	30	21				
1	91	87	84	80	81	78	74	72	59	57	55	42	41	40	26	26	25	18				
2	83	76	71	66	74	68	63	59	52	49	46	37	35	33	23	22	21	15				
3	76	67	60	55	67	60	54	49	46	42	39	33	30	28	21	19	18	13				
4	69	59	52	46	61	53	46	42	41	36	33	29	26	24	19	17	16	11				
5	64	53	45	39	56	47	40	36	36	32	28	26	23	21	17	15	14	10				
6	58	47	39	34	52	42	35	31	32	28	24	24	20	18	15	13	12	9				
7	54	42	35	29	48	38	31	27	29	25	21	21	18	16	14	12	11	8				
8	50	38	31	26	44	34	28	23	27	22	19	19	16	14	13	11	10	7				
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6				
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	11	9	8	6				

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

	0°	45°	90°
0°	5653	5653	5653
5°	5626	5630	5662
10°	5602	5593	5593
15°	5516	5516	5483
20°	5426	5371	5324
25°	5290	5223	5130
30°	5160	5025	4905
35°	5024	4838	4666
40°	4843	4612	4413
45°	4679	4412	4140
50°	4510	4173	3873
55°	4326	3941	3619
60°	4128	3702	3332
65°	3895	3430	3031
70°	3627	3111	2699
75°	3290	2730	2404
80°	2867	2290	2127
85°	2213	1934	1934

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4679 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.3	0.8
10°-20°	264.9	2.4
20°-30°	384.8	3.4
30°-40°	437.5	3.9
40°-50°	424.7	3.8
50°-60°	358.6	3.2
60°-70°	255.1	2.3
70°-80°	136.3	1.2
80°-90°	36.0	0.3
90°-100°	101.0	0.9
100°-110°	529.1	4.7
110°-120°	1331.8	11.9
120°-130°	2054.6	18.4
130°-140°	1880.9	16.8
140°-150°	1388.1	12.4
150°-160°	884.9	7.9
160°-170°	465.8	4.2
170°-180°	145.0	1.3
0°-30°	744.0	6.7
0°-40°	1181.5	10.6
0°-60°	1964.9	17.6
0°-90°	2392.4	21.4
90°-120°	1961.9	17.6
90°-150°	7285.5	65.2
90°-180°	8781.0	78.6
0°-180°	11173.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	999	999	999	999	999	
5°	991	1003	991	990	997	94
15°	942	950	942	936	936	265
25°	847	850	837	825	822	390
35°	727	720	700	680	676	453
45°	585	576	551	525	517	451
55°	439	427	400	374	367	392
65°	291	281	256	233	226	288
75°	150	142	125	112	110	160
85°	34	31	30	30	30	40
90°	0	0	0	0	0	4
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°	999.2	999.2	999.2	999.2	999.2
2.5°	994.1	1004.1	995.3	996.5	998.7
5°	990.7	1003.2	991.4	990.2	997.1
7.5°	983.1	994.4	982.2	979.4	985.6
10°	975.1	987.6	973.7	970.2	973.7
12.5°	960.9	974.0	962.9	957.2	960.1
15°	941.8	950.1	941.8	936.1	936.1
17.5°	918.3	927.1	911.4	907.4	905.8
20°	901.3	908.9	892.1	886.4	884.3
22.5°	878.6	885.7	871.6	861.9	859.3
25°	847.4	850.1	836.7	825.3	821.8
27.5°	816.0	816.7	798.3	784.4	779.8
30°	789.9	790.6	769.3	754.3	750.9
32.5°	763.8	761.7	741.5	723.7	721.3
35°	727.4	720.5	700.5	679.8	675.6
37.5°	683.6	679.4	655.8	635.0	628.8
40°	655.8	648.8	624.5	603.8	597.6
42.5°	627.9	619.9	595.0	572.0	565.2
45°	584.8	575.8	551.4	525.0	517.4
47.5°	541.4	531.5	504.7	479.1	470.7
50°	512.4	502.0	474.1	449.0	440.0
52.5°	482.9	471.9	444.0	418.4	411.1
55°	438.6	426.8	399.6	373.8	366.9
57.5°	394.3	382.6	355.6	331.2	322.9
60°	364.8	353.7	327.2	302.8	294.5
62.5°	334.7	324.1	298.2	274.5	266.7
65°	291.0	280.6	256.2	233.3	226.4
67.5°	247.7	238.8	214.8	193.8	188.2
70°	219.3	211.0	188.1	168.8	163.2
72.5°	192.0	183.2	161.4	145.0	141.1
75°	150.5	142.1	124.9	112.1	110.0
77.5°	112.4	105.6	90.7	83.4	82.3
80°	88.0	81.8	70.3	65.3	65.3
82.5°	65.3	60.2	52.7	50.5	50.5
85°	34.1	31.3	29.8	29.8	29.8
87.5°	10.2	10.2	9.7	9.1	9.1
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	9.60	10.25	10.77	11.40	13.03	8.53	9.17	9.70	10.33	11.96
	3H	11.25	11.83	12.43	13.00	14.64	9.92	10.50	11.10	11.66	13.31
	4H	11.87	12.43	13.06	13.59	15.24	10.43	10.98	11.62	12.14	13.79
	6H	12.25	12.76	13.44	13.92	15.58	10.74	11.24	11.93	12.41	14.07
	8H	12.38	12.86	13.57	14.04	15.69	10.85	11.34	12.05	12.51	14.16
	12H	12.44	12.90	13.64	14.07	15.74	10.92	11.38	12.12	12.55	14.22
4H	2H	9.98	10.54	11.18	11.70	13.35	9.13	9.68	10.32	10.84	12.49
	3H	11.86	12.32	13.05	13.50	15.16	10.73	11.19	11.92	12.37	14.03
	4H	12.60	13.02	13.79	14.19	15.87	11.32	11.75	12.52	12.92	14.60
	6H	13.09	13.45	14.29	14.64	16.31	11.72	12.09	12.93	13.28	14.95
	8H	13.27	13.61	14.47	14.80	16.48	11.89	12.23	13.09	13.42	15.10
	12H	13.36	13.67	14.58	14.86	16.55	11.98	12.29	13.20	13.49	15.18
8H	4H	12.71	13.05	13.91	14.23	15.92	11.57	11.91	12.77	13.09	14.78
	6H	13.32	13.60	14.54	14.83	16.51	12.09	12.37	13.31	13.60	15.28
	8H	13.59	13.83	14.82	15.04	16.74	12.34	12.58	13.56	13.79	15.49
	12H	13.75	13.96	14.98	15.16	16.90	12.51	12.72	13.73	13.92	15.65
12H	4H	12.67	12.98	13.89	14.18	15.86	11.56	11.87	12.78	13.07	14.75
	6H	13.33	13.58	14.56	14.78	16.48	12.14	12.39	13.37	13.59	15.29
	8H	13.62	13.84	14.85	15.04	16.77	12.42	12.63	13.64	13.83	15.56