

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: P1438866

Luminaire Tested: CB2-B-030U-085D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438866  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-B-030U-085D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

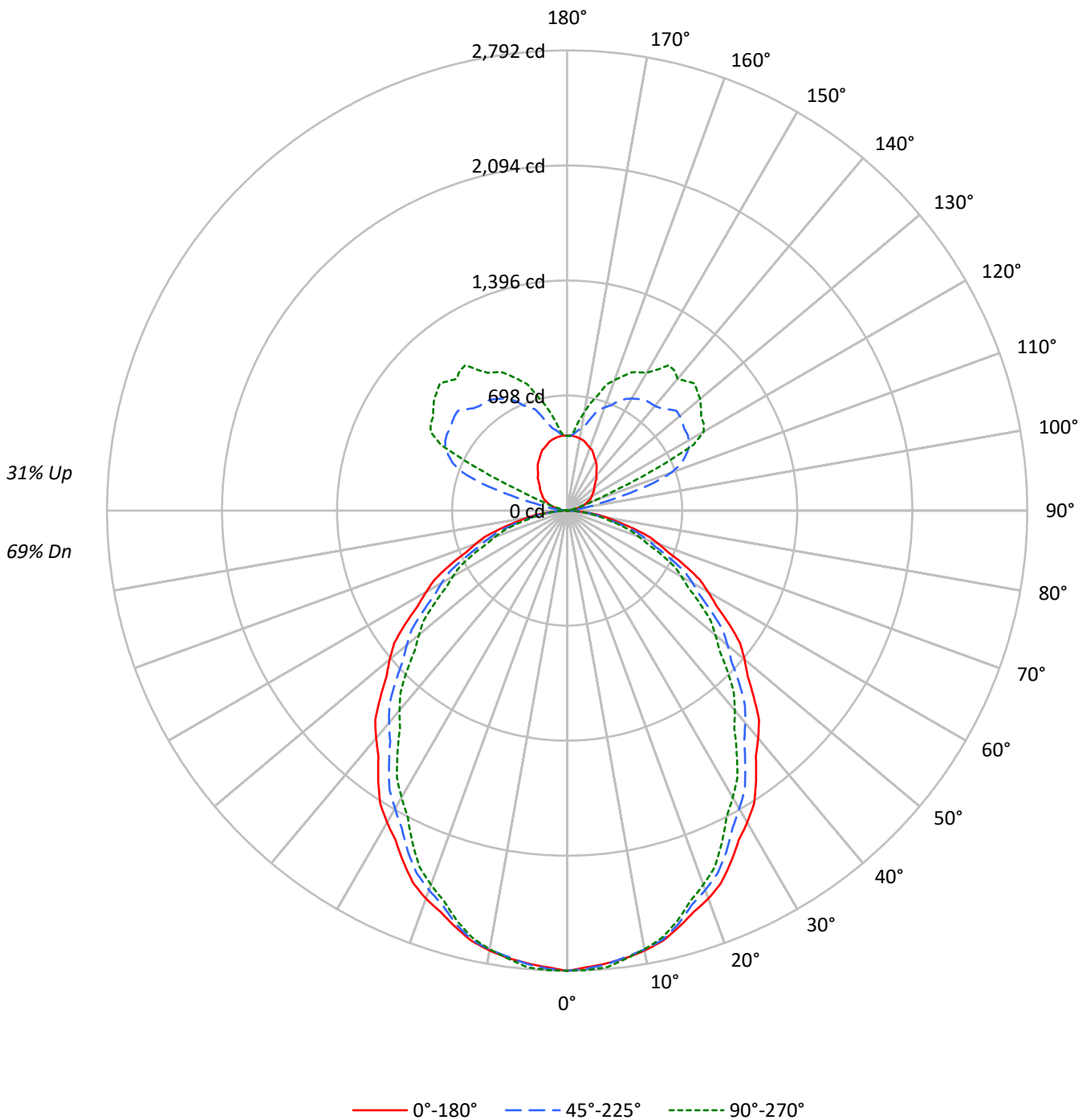
Lumens per Lamp: N/A  
Luminaire Lumens: 9494.7 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 74.1  
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	50	30	10	50	30	10	0		
RCR																										
0	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73	69								
1	102	98	94	90	96	93	89	86	83	80	78	73	72	70	65	64	62	58								
2	93	86	80	74	88	81	76	71	73	68	65	65	62	59	58	55	53	49								
3	85	76	68	62	80	72	65	60	64	59	55	58	53	50	51	48	45	42								
4	78	67	59	53	74	64	57	51	57	52	47	52	47	43	46	42	39	36								
5	72	60	52	46	68	57	50	44	52	45	41	46	41	38	42	38	34	32								
6	66	54	46	40	63	52	44	39	47	40	36	42	37	33	38	34	30	28								
7	62	49	41	35	58	47	39	34	43	36	32	38	33	29	35	30	27	25								
8	57	45	37	31	54	43	36	30	39	33	28	35	30	26	32	28	25	22								
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	25	22	20								
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18								

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

	0°	45°	90°
0°	24315	24315	24315
5°	24109	24146	24314
10°	23972	23915	23896
15°	23592	23438	23246
20°	23221	22706	22389
25°	22596	21960	21343
30°	21971	21004	20208
35°	21251	20023	19069
40°	20488	19103	17985
45°	19721	18141	16929
50°	19030	17205	15902
55°	18177	16229	14931
60°	17203	15305	13963
65°	16168	14274	12996
70°	15023	13118	11759
75°	13668	11868	10646
80°	12222	10401	9649
85°	9403	8543	7044

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19721 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.6	2.8
10°-20°	731.9	7.7
20°-30°	1052.4	11.1
30°-40°	1182.8	12.5
40°-50°	1142.6	12.0
50°-60°	965.4	10.2
60°-70°	693.4	7.3
70°-80°	379.0	4.0
80°-90°	100.7	1.1
90°-100°	34.0	0.4
100°-110°	210.7	2.2
110°-120°	531.4	5.6
120°-130°	638.8	6.7
130°-140°	579.2	6.1
140°-150°	461.8	4.9
150°-160°	315.0	3.3
160°-170°	166.6	1.8
170°-180°	46.4	0.5
0°-30°	2046.8	21.6
0°-40°	3229.6	34.0
0°-60°	5337.6	56.2
0°-90°	6510.7	68.6
90°-120°	776.1	8.2
90°-150°	2455.9	25.9
90°-180°	2984.0	31.4
0°-180°	9494.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2792	2792	2792	2792	2792	
5°	2758	2796	2762	2762	2781	262
15°	2617	2640	2600	2574	2578	738
25°	2352	2354	2285	2234	2221	1083
35°	1999	1976	1883	1810	1794	1249
45°	1601	1568	1473	1396	1375	1237
55°	1197	1153	1069	1002	983	1070
65°	785	755	693	643	631	778
75°	406	381	353	325	316	434
85°	94	88	86	75	70	112
90°	0	0	0	0	0	4
95°	18	44	14	10	10	22
105°	86	241	348	87	59	90
115°	149	329	795	740	564	146
125°	194	399	867	987	992	173
135°	243	442	869	1018	1092	189
145°	311	464	820	988	1077	195
155°	378	474	730	880	926	174
165°	429	469	589	694	726	120
175°	454	460	468	476	485	43
180°	454	454	454	454	454	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2792.0	2792.0	2792.0	2792.0	2792.0
2.5°	2773.2	2806.7	2781.8	2785.3	2790.3
5°	2757.8	2795.5	2762.1	2762.5	2781.3
7.5°	2738.2	2773.7	2731.7	2724.0	2741.6
10°	2710.8	2746.3	2704.4	2689.7	2702.2
12.5°	2674.9	2708.7	2668.5	2645.2	2656.1
15°	2616.7	2639.7	2599.6	2574.1	2578.3
17.5°	2553.5	2567.7	2509.8	2488.4	2484.2
20°	2505.6	2518.1	2450.0	2420.0	2415.8
22.5°	2444.0	2454.9	2383.3	2346.4	2340.5
25°	2351.6	2353.7	2285.4	2233.8	2221.2
27.5°	2255.0	2248.3	2172.5	2111.4	2095.1
30°	2184.9	2176.5	2088.7	2024.2	2009.6
32.5°	2109.6	2094.6	2006.6	1937.0	1922.4
35°	1998.9	1975.9	1883.4	1810.4	1793.7
37.5°	1880.9	1855.0	1764.2	1684.6	1665.8
40°	1802.2	1772.9	1680.4	1600.8	1582.0
42.5°	1723.5	1690.9	1596.5	1517.0	1496.5
45°	1601.3	1567.8	1473.0	1395.5	1374.6
47.5°	1485.0	1442.3	1350.3	1273.3	1252.4
50°	1404.6	1358.6	1269.9	1194.6	1173.7
52.5°	1322.5	1274.8	1189.5	1117.6	1096.7
55°	1197.2	1153.3	1068.9	1002.2	983.4
57.5°	1073.2	1031.0	953.9	890.2	871.8
60°	987.7	952.2	878.7	818.4	801.7
62.5°	905.6	873.4	803.4	748.3	731.6
65°	784.6	755.3	692.7	643.2	630.7
67.5°	667.0	637.7	587.1	542.7	528.5
70°	590.0	560.8	515.2	474.3	461.8
72.5°	516.5	485.6	448.5	411.1	401.9
75°	406.2	381.1	352.7	324.8	316.4
77.5°	308.7	284.5	263.8	244.1	242.0
80°	243.7	222.8	207.4	194.5	192.4
82.5°	182.1	166.3	156.1	146.6	146.2
85°	94.1	87.8	85.5	74.7	70.5
87.5°	27.4	27.4	23.9	20.5	20.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.7	7.8	3.1	3.1	3.1
95°	17.6	44.4	13.7	9.8	9.8
97.5°	36.8	106.5	74.0	19.9	17.2
100°	50.9	154.2	127.2	29.2	23.5
102.5°	65.0	195.9	200.8	46.4	36.0
105°	86.1	241.2	348.4	87.4	58.7
107.5°	106.9	270.7	534.0	180.4	108.8
110°	119.4	287.8	673.4	281.3	168.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	131.9	304.9	750.1	450.9	290.5
115°	148.8	328.7	794.7	739.8	563.7
117.5°	162.9	350.4	833.1	914.9	863.2
120°	172.3	367.5	853.4	940.0	957.2
122.5°	181.6	379.9	864.4	949.7	982.2
125°	193.8	398.6	867.1	986.7	992.4
127.5°	205.9	412.6	880.1	1020.7	1023.3
130°	215.3	422.0	892.6	1032.0	1053.1
132.5°	226.3	429.9	897.3	1038.5	1070.3
135°	242.7	441.8	869.1	1017.6	1092.2
137.5°	263.5	450.3	842.1	1017.0	1065.2
140°	276.0	452.1	828.0	1039.5	1043.3
142.5°	290.1	457.0	824.9	1037.0	1069.9
145°	311.2	464.3	820.2	988.5	1076.6
147.5°	332.4	469.0	802.2	935.0	1012.0
150°	346.5	470.9	784.9	917.2	965.0
152.5°	360.6	472.7	763.0	906.0	946.2
155°	377.8	473.5	730.1	879.9	925.9
157.5°	395.8	471.2	690.6	832.3	882.4
160°	405.2	468.3	665.5	797.7	841.7
162.5°	414.6	467.0	643.6	752.4	804.1
165°	428.7	468.9	589.2	693.7	726.2
167.5°	438.1	467.2	538.3	623.9	669.8
170°	444.3	467.3	507.0	570.5	608.8
172.5°	449.0	459.8	488.2	521.7	547.7
175°	454.1	459.9	467.8	475.9	485.4
177.5°	455.7	458.8	452.6	451.1	454.1
180°	454.1	454.1	454.1	454.1	454.1



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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	19.65	20.69	20.44	21.50	22.48	18.55	19.59	19.34	20.40	21.38
	3H	21.31	22.24	22.11	23.06	24.07	20.09	21.03	20.89	21.84	22.85
	4H	21.95	22.83	22.76	23.65	24.67	20.68	21.56	21.49	22.38	23.40
	6H	22.36	23.17	23.19	24.00	25.03	21.06	21.87	21.88	22.70	23.73
	8H	22.51	23.29	23.35	24.13	25.17	21.20	21.98	22.04	22.82	23.86
	12H	22.59	23.33	23.43	24.17	25.23	21.27	22.01	22.11	22.85	23.91
4H	2H	20.08	20.96	20.90	21.79	22.81	19.21	20.09	20.03	20.91	21.93
	3H	21.97	22.70	22.80	23.56	24.59	20.96	21.69	21.79	22.55	23.59
	4H	22.72	23.39	23.56	24.24	25.31	21.64	22.31	22.48	23.16	24.23
	6H	23.25	23.83	24.11	24.71	25.77	22.13	22.70	22.98	23.58	24.65
	8H	23.46	24.00	24.32	24.87	25.95	22.32	22.86	23.18	23.73	24.81
	12H	23.58	24.06	24.46	24.95	26.04	22.42	22.90	23.30	23.79	24.88
8H	4H	22.89	23.43	23.75	24.30	25.38	21.93	22.47	22.79	23.34	24.42
	6H	23.54	23.99	24.43	24.90	25.98	22.54	22.99	23.43	23.90	24.98
	8H	23.83	24.23	24.73	25.14	26.24	22.82	23.21	23.72	24.12	25.22
	12H	24.02	24.36	24.92	25.26	26.42	22.97	23.32	23.88	24.22	25.37
12H	4H	22.88	23.37	23.76	24.26	25.34	21.94	22.43	22.82	23.32	24.40
	6H	23.57	23.97	24.47	24.88	25.97	22.60	23.00	23.50	23.91	25.01
	8H	23.90	24.25	24.80	25.14	26.30	22.92	23.27	23.82	24.17	25.32