

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: P1438854

Luminaire Tested: CB2-B-030U-030D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438854  
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-030D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

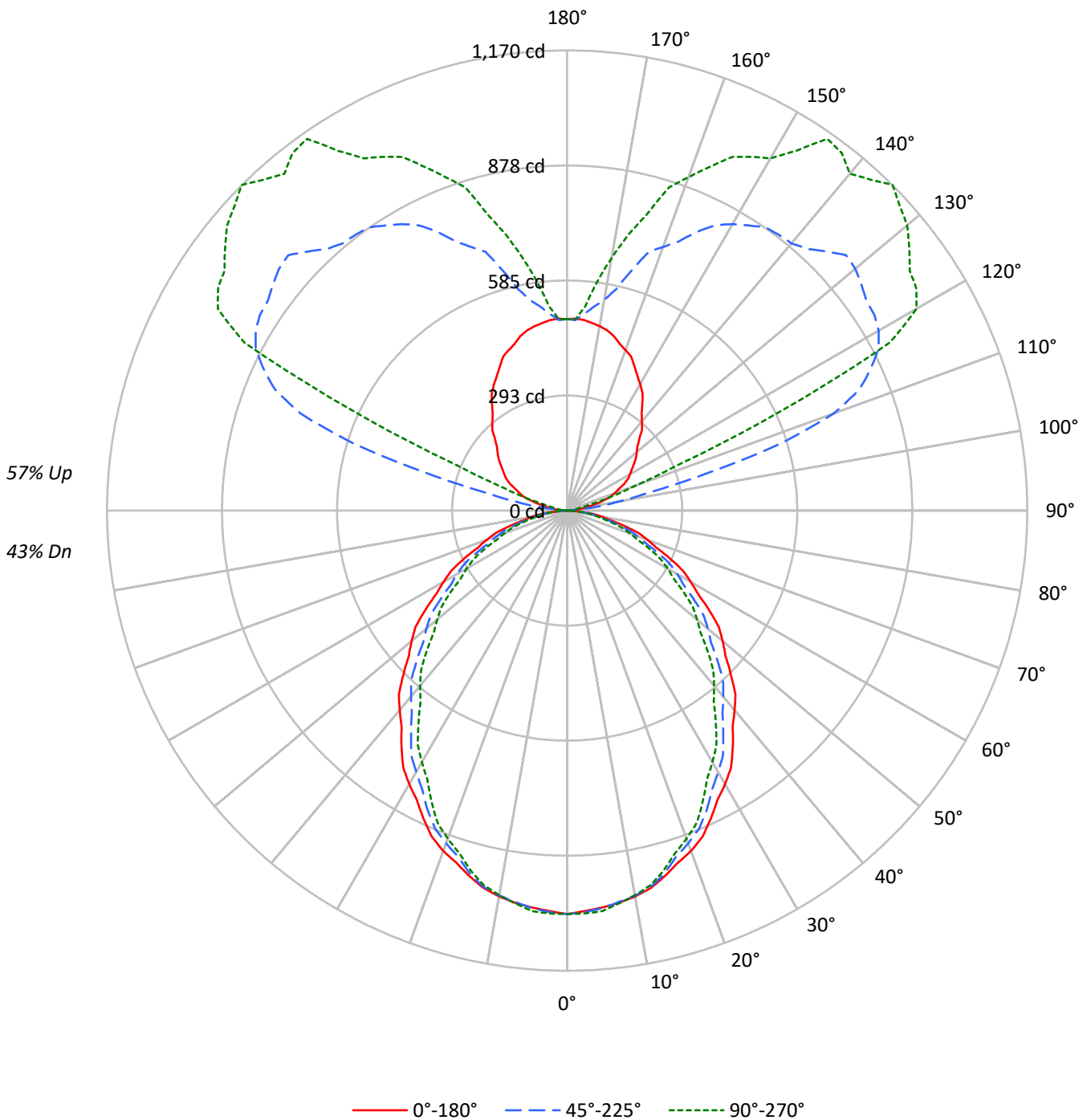
Lumens per Lamp: N/A  
Luminaire Lumens: 5589.9 lumens  
Efficiency: N/A  
Efficacy: 152.3 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 36.7  
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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	96	92	88	85	88	84	81	78	70	67	65	56	55	53	44	43	42	36
2	88	81	75	70	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	32	31	26
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	29	26	23
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20	17
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	19	16	14
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	16	13	11

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

	0°	45°	90°
0°	8935	8935	8935
5°	8859	8873	8935
10°	8809	8788	8781
15°	8670	8613	8542
20°	8533	8344	8227
25°	8304	8070	7843
30°	8074	7718	7426
35°	7809	7358	7007
40°	7529	7020	6608
45°	7247	6667	6221
50°	6992	6322	5843
55°	6679	5964	5487
60°	6321	5624	5131
65°	5941	5244	4777
70°	5520	4820	4321
75°	5024	4361	3913
80°	4494	3822	3546
85°	3457	3138	2588

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7247 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.5	1.7
10°-20°	268.9	4.8
20°-30°	386.7	6.9
30°-40°	434.7	7.8
40°-50°	419.9	7.5
50°-60°	354.8	6.3
60°-70°	254.8	4.6
70°-80°	139.3	2.5
80°-90°	37.0	0.7
90°-100°	36.5	0.7
100°-110°	225.8	4.0
110°-120°	569.4	10.2
120°-130°	684.5	12.2
130°-140°	620.6	11.1
140°-150°	494.9	8.9
150°-160°	337.6	6.0
160°-170°	178.5	3.2
170°-180°	49.7	0.9
0°-30°	752.1	13.5
0°-40°	1186.8	21.2
0°-60°	1961.4	35.1
0°-90°	2392.5	42.8
90°-120°	831.7	14.9
90°-150°	2631.6	47.1
90°-180°	3197.0	57.2
0°-180°	5589.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1026	1026	1026	1026	1026	
5°	1013	1027	1015	1015	1022	96
15°	962	970	955	946	947	271
25°	864	865	840	821	816	398
35°	734	726	692	665	659	459
45°	588	576	541	513	505	455
55°	440	424	393	368	361	393
65°	288	278	254	236	232	286
75°	149	140	130	119	116	160
85°	35	32	31	28	26	41
90°	0	0	0	0	0	2
95°	19	48	15	10	10	24
105°	92	258	373	94	63	97
115°	159	352	852	793	604	156
125°	208	427	929	1057	1063	186
135°	260	473	931	1090	1170	202
145°	334	498	879	1059	1154	208
155°	405	507	782	943	992	186
165°	459	502	631	743	778	129
175°	487	493	501	510	520	46
180°	487	487	487	487	487	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1026.0	1026.0	1026.0	1026.0	1026.0
2.5°	1019.1	1031.4	1022.2	1023.5	1025.4
5°	1013.4	1027.3	1015.0	1015.2	1022.1
7.5°	1006.2	1019.3	1003.8	1001.0	1007.5
10°	996.1	1009.2	993.8	988.4	993.0
12.5°	982.9	995.4	980.6	972.0	976.0
15°	961.6	970.0	955.3	945.9	947.4
17.5°	938.3	943.5	922.3	914.4	912.9
20°	920.7	925.3	900.3	889.3	887.7
22.5°	898.1	902.1	875.8	862.2	860.1
25°	864.2	864.9	839.8	820.8	816.2
27.5°	828.7	826.2	798.3	775.9	769.9
30°	802.9	799.8	767.5	743.8	738.5
32.5°	775.2	769.7	737.4	711.8	706.4
35°	734.5	726.1	692.1	665.3	659.1
37.5°	691.2	681.6	648.3	619.1	612.1
40°	662.3	651.5	617.5	588.3	581.3
42.5°	633.4	621.4	586.7	557.4	549.9
45°	588.4	576.1	541.3	512.8	505.1
47.5°	545.7	530.0	496.2	467.9	460.2
50°	516.1	499.2	466.6	439.0	431.3
52.5°	486.0	468.5	437.1	410.7	403.0
55°	439.9	423.8	392.8	368.3	361.4
57.5°	394.4	378.9	350.5	327.1	320.4
60°	362.9	349.9	322.9	300.7	294.6
62.5°	332.8	321.0	295.2	275.0	268.8
65°	288.3	277.6	254.5	236.4	231.8
67.5°	245.1	234.4	215.7	199.4	194.2
70°	216.8	206.1	189.3	174.3	169.7
72.5°	189.8	178.4	164.8	151.1	147.7
75°	149.3	140.0	129.6	119.3	116.3
77.5°	113.4	104.5	96.9	89.7	88.9
80°	89.6	81.9	76.2	71.5	70.7
82.5°	66.9	61.1	57.3	53.9	53.7
85°	34.6	32.3	31.4	27.5	25.9
87.5°	10.1	10.1	8.8	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.0	8.3	3.4	3.4	3.4
95°	18.9	47.6	14.7	10.5	10.5
97.5°	39.4	114.1	79.3	21.3	18.5
100°	54.5	165.3	136.3	31.3	25.2
102.5°	69.6	209.9	215.2	49.7	38.6
105°	92.3	258.4	373.3	93.7	62.9
107.5°	114.5	290.1	572.2	193.3	116.6
110°	127.9	308.4	721.5	301.4	180.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	141.4	326.8	803.7	483.1	311.3
115°	159.4	352.2	851.6	792.7	604.1
117.5°	174.5	375.5	892.7	980.3	925.0
120°	184.6	393.8	914.5	1007.2	1025.6
122.5°	194.6	407.1	926.2	1017.6	1052.5
125°	207.6	427.1	929.2	1057.2	1063.4
127.5°	220.6	442.1	943.0	1093.7	1096.5
130°	230.7	452.2	956.4	1105.9	1128.4
132.5°	242.5	460.7	961.5	1112.8	1146.9
135°	260.1	473.4	931.3	1090.4	1170.4
137.5°	282.3	482.5	902.3	1089.7	1141.4
140°	295.7	484.4	887.2	1113.8	1117.9
142.5°	310.8	489.7	883.9	1111.2	1146.5
145°	333.5	497.6	878.8	1059.2	1153.6
147.5°	356.1	502.6	859.5	1001.9	1084.4
150°	371.2	504.5	841.1	982.8	1034.0
152.5°	386.3	506.5	817.6	970.8	1013.9
155°	404.8	507.3	782.3	942.9	992.1
157.5°	424.1	504.9	740.0	891.8	945.5
160°	434.2	501.8	713.1	854.7	901.9
162.5°	444.2	500.4	689.6	806.3	861.6
165°	459.3	502.4	631.3	743.3	778.1
167.5°	469.4	500.6	576.8	668.5	717.7
170°	476.1	500.7	543.2	611.3	652.3
172.5°	481.1	492.6	523.1	559.0	586.9
175°	486.6	492.8	501.3	509.9	520.2
177.5°	488.3	491.6	484.9	483.3	486.6
180°	486.6	486.6	486.6	486.6	486.6



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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	13.90	14.69	14.92	15.72	17.09	12.80	13.59	13.82	14.62	15.99
	3H	15.54	16.25	16.57	17.29	18.68	14.33	15.03	15.35	16.07	17.46
	4H	16.17	16.84	17.21	17.88	19.28	14.90	15.57	15.94	16.60	18.00
	6H	16.57	17.19	17.62	18.23	19.64	15.26	15.88	16.32	16.92	18.33
	8H	16.71	17.30	17.77	18.36	19.77	15.40	15.99	16.46	17.05	18.45
	12H	16.79	17.34	17.85	18.40	19.83	15.46	16.02	16.52	17.07	18.50
4H	2H	14.30	14.98	15.35	16.01	17.41	13.43	14.10	14.48	15.14	16.54
	3H	16.17	16.73	17.22	17.79	19.20	15.16	15.72	16.21	16.78	18.19
	4H	16.91	17.42	17.97	18.48	19.91	15.83	16.34	16.89	17.40	18.83
	6H	17.43	17.87	18.50	18.95	20.37	16.30	16.74	17.37	17.82	19.25
	8H	17.63	18.04	18.70	19.11	20.56	16.49	16.90	17.56	17.97	19.42
	12H	17.73	18.10	18.82	19.19	20.64	16.57	16.94	17.66	18.03	19.48
8H	4H	17.06	17.47	18.13	18.54	19.99	16.10	16.51	17.17	17.58	19.02
	6H	17.70	18.04	18.79	19.15	20.59	16.70	17.04	17.79	18.15	19.59
	8H	17.99	18.29	19.09	19.38	20.85	16.97	17.27	18.07	18.37	19.83
	12H	18.16	18.42	19.27	19.52	21.02	17.12	17.38	18.22	18.47	19.97
12H	4H	17.04	17.41	18.13	18.50	19.94	16.10	16.47	17.19	17.55	19.00
	6H	17.73	18.03	18.83	19.12	20.58	16.76	17.06	17.86	18.16	19.62
	8H	18.04	18.30	19.15	19.40	20.90	17.06	17.33	18.17	18.42	19.92