

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: P1438949

Luminaire Tested: CB2-B-125U-030D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438949  
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-125U-030D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

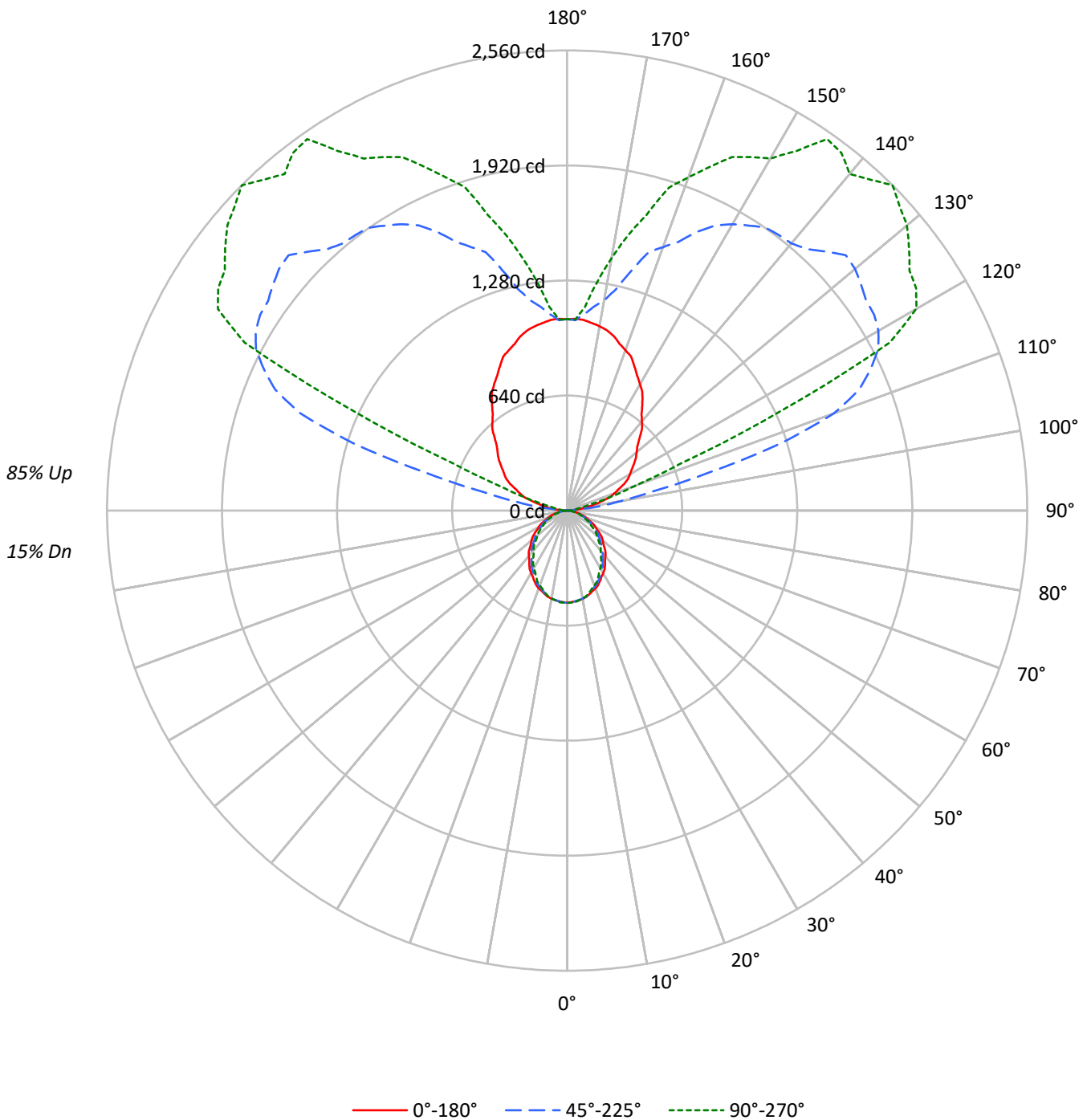
Lumens per Lamp: N/A  
Luminaire Lumens: 8188.6 lumens  
Efficiency: N/A  
Efficacy: 168.5 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 48.6  
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										
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	99	99	99	99	86	86	86	86	64	64	64	43	43	43	24	24	24	15																				
1	90	86	82	79	79	75	72	70	56	54	52	38	36	35	21	20	20	12																				
2	82	75	69	64	71	66	61	57	49	46	43	33	31	30	18	18	17	10																				
3	75	66	59	54	65	58	52	48	43	39	36	29	27	25	16	15	14	9																				
4	68	58	51	45	59	51	45	40	38	34	31	26	23	21	15	13	12	8																				
5	62	52	44	38	54	45	39	34	34	30	26	23	21	18	13	12	11	7																				
6	57	46	38	33	50	41	34	30	30	26	23	21	18	16	12	11	9	6																				
7	53	41	34	29	46	37	30	26	27	23	20	19	16	14	11	9	8	5																				
8	49	37	30	25	43	33	27	23	25	21	17	17	14	12	10	9	7	5																				
9	45	34	27	22	40	30	24	20	23	18	15	16	13	11	9	8	7	4																				
10	42	31	24	20	37	27	22	18	21	17	14	14	12	10	8	7	6	4																				

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

	0°	45°	90°
0°	8935	8935	8935
5°	8859	8873	8934
10°	8809	8788	8781
15°	8670	8612	8542
20°	8534	8343	8228
25°	8304	8070	7843
30°	8073	7719	7425
35°	7810	7359	7008
40°	7528	7019	6610
45°	7247	6665	6222
50°	6994	6322	5842
55°	6681	5964	5487
60°	6322	5622	5131
65°	5943	5246	4777
70°	5520	4823	4318
75°	5020	4361	3910
80°	4494	3822	3551
85°	3457	3138	2598

**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°	48.2	0.6
10°-20°	134.5	1.6
20°-30°	193.4	2.4
30°-40°	217.3	2.7
40°-50°	209.9	2.6
50°-60°	177.4	2.2
60°-70°	127.4	1.6
70°-80°	69.6	0.9
80°-90°	18.5	0.2
90°-100°	79.7	1.0
100°-110°	493.8	6.0
110°-120°	1245.2	15.2
120°-130°	1496.9	18.3
130°-140°	1357.2	16.6
140°-150°	1082.2	13.2
150°-160°	738.2	9.0
160°-170°	390.4	4.8
170°-180°	108.7	1.3
0°-30°	376.1	4.6
0°-40°	593.4	7.2
0°-60°	980.7	12.0
0°-90°	1196.2	14.6
90°-120°	1818.7	22.2
90°-150°	5755.0	70.3
90°-180°	6992.0	85.4
0°-180°	8188.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	513	513	513	513	513	
5°	507	514	508	508	511	48
15°	481	485	478	473	474	136
25°	432	432	420	410	408	199
35°	367	363	346	333	330	229
45°	294	288	271	256	253	227
55°	220	212	196	184	181	197
65°	144	139	127	118	116	143
75°	75	70	65	60	58	80
85°	17	16	16	14	13	21
90°	0	0	0	0	0	2
95°	41	104	32	23	23	52
105°	202	565	816	205	138	212
115°	349	770	1862	1734	1321	342
125°	454	934	2032	2312	2326	406
135°	569	1035	2037	2385	2560	442
145°	729	1088	1922	2316	2523	456
155°	885	1110	1711	2062	2170	407
165°	1004	1099	1381	1626	1702	282
175°	1064	1078	1096	1115	1138	101
180°	1064	1064	1064	1064	1064	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	513.0	513.0	513.0	513.0	513.0
2.5°	509.5	515.7	511.1	511.8	512.7
5°	506.7	513.6	507.5	507.6	511.0
7.5°	503.1	509.6	501.9	500.5	503.7
10°	498.1	504.6	496.9	494.2	496.5
12.5°	491.5	497.7	490.3	486.0	488.0
15°	480.8	485.0	477.6	472.9	473.7
17.5°	469.2	471.8	461.1	457.2	456.4
20°	460.4	462.7	450.1	444.6	443.9
22.5°	449.0	451.0	437.9	431.1	430.0
25°	432.1	432.5	419.9	410.4	408.1
27.5°	414.3	413.1	399.2	387.9	384.9
30°	401.4	399.9	383.8	371.9	369.2
32.5°	387.6	384.8	368.7	355.9	353.2
35°	367.3	363.0	346.1	332.6	329.6
37.5°	345.6	340.8	324.1	309.5	306.1
40°	331.1	325.8	308.7	294.1	290.7
42.5°	316.7	310.7	293.3	278.7	275.0
45°	294.2	288.1	270.6	256.4	252.6
47.5°	272.8	265.0	248.1	233.9	230.1
50°	258.1	249.6	233.3	219.5	215.6
52.5°	243.0	234.2	218.6	205.3	201.5
55°	220.0	211.9	196.4	184.1	180.7
57.5°	197.2	189.4	175.3	163.6	160.2
60°	181.5	174.9	161.4	150.4	147.3
62.5°	166.4	160.5	147.6	137.5	134.4
65°	144.2	138.8	127.3	118.2	115.9
67.5°	122.6	117.2	107.9	99.7	97.1
70°	108.4	103.0	94.7	87.1	84.8
72.5°	94.9	89.2	82.4	75.5	73.8
75°	74.6	70.0	64.8	59.7	58.1
77.5°	56.7	52.3	48.5	44.8	44.5
80°	44.8	40.9	38.1	35.7	35.4
82.5°	33.5	30.5	28.7	26.9	26.9
85°	17.3	16.1	15.7	13.7	13.0
87.5°	5.0	5.0	4.4	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	11.0	18.2	7.3	7.3	7.3
95°	41.3	104.1	32.1	22.9	22.9
97.5°	86.2	249.5	173.4	46.6	40.4
100°	119.3	361.4	298.1	68.5	55.0
102.5°	152.3	459.1	470.6	108.6	84.4
105°	201.8	565.1	816.5	204.9	137.6
107.5°	250.4	634.4	1251.3	422.8	255.0
110°	279.8	674.5	1577.9	659.1	394.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	309.2	714.6	1757.7	1056.5	680.7
115°	348.6	770.2	1862.3	1733.6	1321.0
117.5°	381.6	821.2	1952.2	2143.9	2022.8
120°	403.6	861.1	1999.9	2202.6	2243.0
122.5°	425.7	890.3	2025.6	2225.5	2301.7
125°	454.1	934.0	2032.0	2312.1	2325.5
127.5°	482.5	966.9	2062.3	2391.7	2398.0
130°	504.6	988.9	2091.6	2418.4	2467.7
132.5°	530.2	1007.4	2102.6	2433.7	2508.1
135°	568.8	1035.2	2036.6	2384.6	2559.5
137.5°	617.4	1055.1	1973.3	2383.2	2496.2
140°	646.7	1059.4	1940.2	2435.8	2444.8
142.5°	679.8	1070.9	1932.9	2430.0	2507.2
145°	729.3	1088.1	1921.9	2316.5	2522.8
147.5°	778.9	1099.1	1879.7	2191.1	2371.4
150°	811.9	1103.4	1839.3	2149.2	2261.3
152.5°	844.9	1107.7	1788.0	2123.1	2217.3
155°	885.3	1109.5	1710.9	2062.0	2169.6
157.5°	927.5	1104.2	1618.3	1950.3	2067.8
160°	949.5	1097.5	1559.5	1869.2	1972.4
162.5°	971.5	1094.4	1508.2	1763.2	1884.3
165°	1004.5	1098.7	1380.7	1625.5	1701.7
167.5°	1026.5	1094.7	1261.4	1462.0	1569.6
170°	1041.2	1095.0	1188.0	1336.8	1426.5
172.5°	1052.2	1077.3	1144.0	1222.4	1283.4
175°	1064.2	1077.6	1096.3	1115.1	1137.5
177.5°	1067.8	1075.0	1060.5	1057.0	1064.2
180°	1064.2	1064.2	1064.2	1064.2	1064.2



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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	9.59	10.20	10.80	11.38	13.08	8.49	9.10	9.70	10.29	11.99
	3H	11.21	11.76	12.43	12.95	14.67	10.00	10.54	11.21	11.74	13.45
	4H	11.83	12.35	13.05	13.54	15.26	10.56	11.08	11.78	12.27	13.99
	6H	12.22	12.70	13.45	13.89	15.62	10.91	11.39	12.15	12.59	14.32
	8H	12.36	12.81	13.59	14.02	15.74	11.05	11.50	12.28	12.71	14.43
	12H	12.42	12.85	13.66	14.06	15.80	11.10	11.53	12.34	12.74	14.48
4H	2H	9.96	10.48	11.20	11.68	13.40	9.09	9.61	10.32	10.80	12.52
	3H	11.81	12.24	13.05	13.46	15.19	10.80	11.24	12.04	12.45	14.18
	4H	12.55	12.95	13.78	14.15	15.90	11.46	11.87	12.70	13.07	14.82
	6H	13.05	13.39	14.29	14.62	16.35	11.93	12.27	13.16	13.50	15.23
	8H	13.25	13.57	14.49	14.79	16.54	12.11	12.43	13.35	13.65	15.40
	12H	13.34	13.63	14.60	14.86	16.62	12.19	12.48	13.44	13.70	15.46
8H	4H	12.68	13.00	13.92	14.22	15.97	11.72	12.04	12.95	13.26	15.01
	6H	13.31	13.58	14.57	14.84	16.58	12.31	12.57	13.57	13.84	15.58
	8H	13.60	13.83	14.86	15.06	16.83	12.59	12.81	13.84	14.05	15.82
	12H	13.76	13.96	15.03	15.20	16.99	12.72	12.92	13.98	14.16	15.95
12H	4H	12.65	12.94	13.90	14.17	15.92	11.71	12.00	12.96	13.23	14.98
	6H	13.34	13.57	14.60	14.80	16.57	12.37	12.60	13.63	13.84	15.60
	8H	13.65	13.84	14.91	15.08	16.87	12.67	12.87	13.93	14.10	15.90