

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: P1439486

Luminaire Tested: CB3-B-125U-085D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439486  
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-125U-085D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

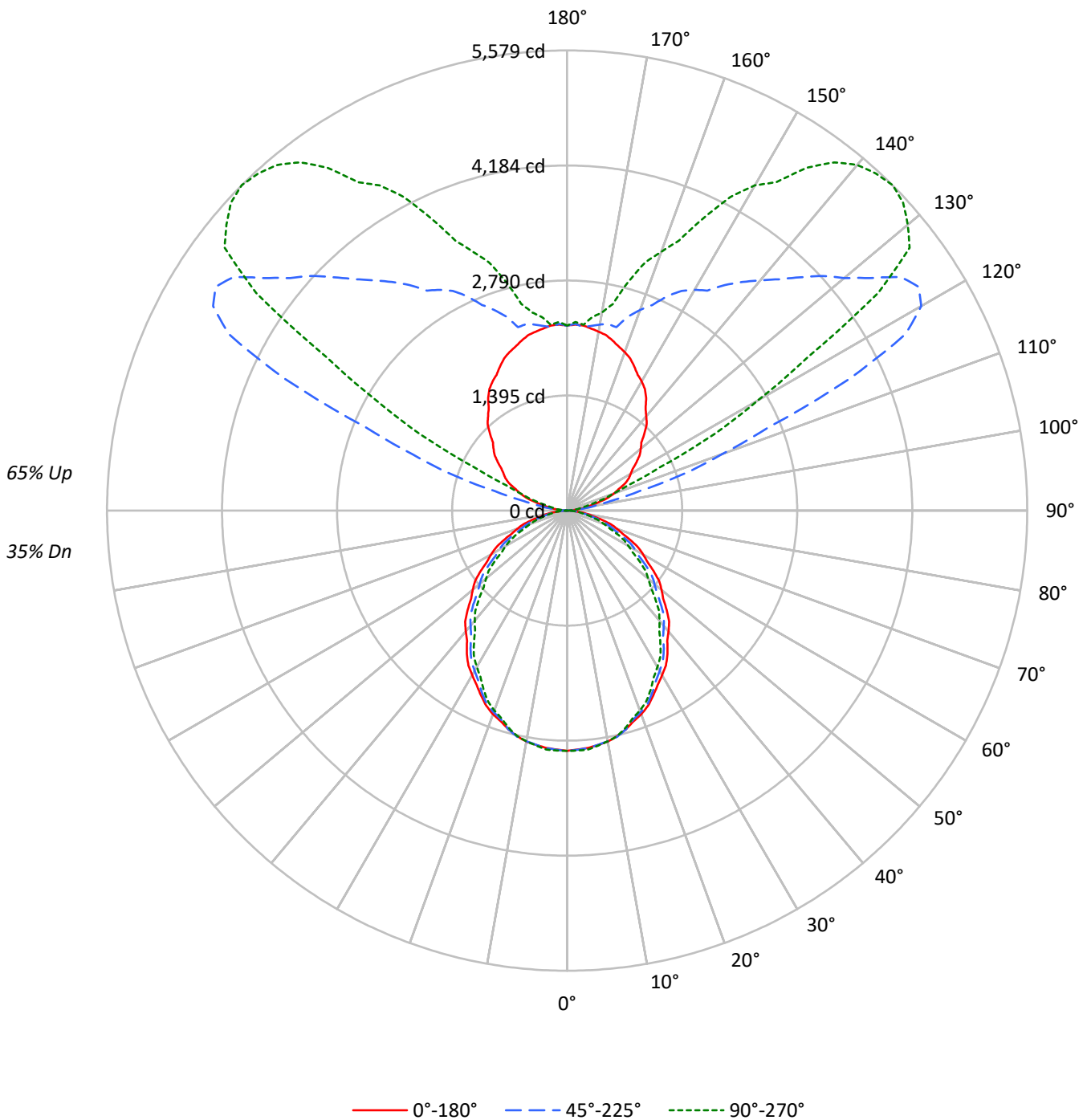
Lumens per Lamp: N/A  
Luminaire Lumens: 20160.6 lumens  
Efficiency: N/A  
Efficacy: 139.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 144.6  
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				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	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	35
1	94	90	87	83	85	82	79	76	66	63	62	51	49	48	37	36	36	29
2	86	79	73	68	78	72	67	62	58	54	51	45	42	40	33	31	30	25
3	79	69	62	57	71	63	57	52	51	47	43	40	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	24	21	20	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14
7	56	44	36	31	51	40	34	29	33	28	24	26	22	20	20	17	15	13
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

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

	0°	45°	90°
0°	16484	16484	16484
5°	16406	16418	16511
10°	16334	16310	16310
15°	16084	16084	15987
20°	15823	15660	15523
25°	15424	15230	14959
30°	15046	14654	14302
35°	14649	14106	13606
40°	14121	13449	12868
45°	13643	12864	12070
50°	13150	12167	11292
55°	12614	11492	10553
60°	12035	10794	9717
65°	11358	10001	8836
70°	10576	9071	7873
75°	9589	7961	7012
80°	8360	6675	6203
85°	6446	5641	5641

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13643 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.9	1.4
10°-20°	772.4	3.8
20°-30°	1122.1	5.6
30°-40°	1275.8	6.3
40°-50°	1238.5	6.1
50°-60°	1045.7	5.2
60°-70°	744.0	3.7
70°-80°	397.5	2.0
80°-90°	105.0	0.5
90°-100°	151.6	0.8
100°-110°	794.4	3.9
110°-120°	1999.7	9.9
120°-130°	3084.9	15.3
130°-140°	2824.1	14.0
140°-150°	2084.2	10.3
150°-160°	1328.6	6.6
160°-170°	699.5	3.5
170°-180°	217.8	1.1
0°-30°	2169.4	10.8
0°-40°	3445.2	17.1
0°-60°	5729.4	28.4
0°-90°	6975.9	34.6
90°-120°	2945.6	14.6
90°-150°	10938.9	54.3
90°-180°	13185.0	65.4
0°-180°	20160.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2914	2914	2914	2914	2914	
5°	2889	2925	2891	2887	2908	274
15°	2746	2770	2746	2730	2730	774
25°	2471	2479	2440	2406	2396	1138
35°	2121	2101	2042	1982	1970	1322
45°	1705	1679	1608	1531	1509	1315
55°	1279	1244	1165	1090	1070	1143
65°	848	818	747	680	660	840
75°	439	414	364	327	321	468
85°	99	91	87	87	87	118
90°	0	0	0	0	0	7
95°	79	224	89	49	49	100
105°	405	1255	908	374	306	433
115°	770	1572	3772	1640	1244	750
125°	1027	1587	4938	4978	4602	919
135°	1323	1767	3999	5454	5579	1022
145°	1669	1930	3338	4641	5076	1037
155°	1926	2070	2864	3544	3910	888
165°	2133	2191	2301	2690	2874	601
175°	2252	2300	2232	2242	2261	213
180°	2242	2242	2242	2242	2242	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2913.7	2913.7	2913.7	2913.7	2913.7
2.5°	2898.8	2928.0	2902.1	2905.6	2912.1
5°	2888.9	2925.3	2891.0	2887.3	2907.5
7.5°	2866.5	2899.7	2864.1	2855.8	2874.0
10°	2843.4	2879.8	2839.2	2829.1	2839.2
12.5°	2802.0	2840.0	2807.8	2791.0	2799.5
15°	2746.1	2770.4	2746.1	2729.6	2729.6
17.5°	2677.8	2703.3	2657.5	2645.8	2641.4
20°	2628.2	2650.4	2601.2	2584.6	2578.5
22.5°	2561.9	2582.6	2541.6	2513.3	2505.6
25°	2470.9	2479.0	2439.8	2406.5	2396.4
27.5°	2379.4	2381.4	2327.7	2287.2	2273.9
30°	2303.3	2305.3	2243.2	2199.6	2189.4
32.5°	2227.1	2221.0	2162.1	2110.2	2103.3
35°	2121.1	2100.9	2042.5	1982.2	1970.1
37.5°	1993.3	1981.1	1912.1	1851.7	1833.5
40°	1912.1	1891.9	1821.1	1760.7	1742.4
42.5°	1831.0	1807.5	1735.0	1667.9	1648.1
45°	1705.2	1678.9	1607.9	1530.9	1508.6
47.5°	1578.5	1549.8	1471.8	1397.1	1372.4
50°	1494.1	1463.8	1382.4	1309.3	1283.0
52.5°	1408.0	1376.1	1294.6	1220.1	1198.6
55°	1278.9	1244.5	1165.1	1090.1	1069.9
57.5°	1149.8	1115.8	1036.8	965.9	941.6
60°	1063.7	1031.3	954.0	883.1	858.8
62.5°	975.9	945.2	869.6	800.3	777.7
65°	848.5	818.1	747.1	680.4	660.1
67.5°	722.2	696.3	626.2	565.0	548.8
70°	639.4	615.2	548.4	492.2	476.0
72.5°	560.0	534.1	470.6	422.7	411.4
75°	438.7	414.4	364.2	326.8	320.8
77.5°	327.8	308.0	264.5	243.3	240.1
80°	256.6	238.4	204.9	190.4	190.4
82.5°	190.4	175.4	153.6	147.3	147.3
85°	99.3	91.2	86.9	86.9	86.9
87.5°	29.8	29.8	28.1	26.5	26.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	23.7	54.6	15.8	8.1	15.8
95°	79.0	223.8	88.9	49.4	49.4
97.5°	163.9	499.9	229.1	122.2	110.6
100°	227.1	709.9	355.5	177.3	158.0
102.5°	298.2	920.0	537.2	240.2	205.4
105°	404.9	1254.6	908.5	373.7	306.1
107.5°	523.4	1483.1	1497.1	576.1	464.1
110°	602.4	1577.6	1994.8	756.4	582.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	673.5	1602.3	2658.4	1031.5	795.9
115°	770.3	1571.7	3772.3	1640.1	1244.3
117.5°	841.4	1496.0	4617.6	2609.3	2012.5
120°	888.8	1497.1	4957.3	3342.4	2676.1
122.5°	944.1	1506.0	5052.1	4070.4	3458.2
125°	1027.0	1587.0	4937.5	4978.3	4601.8
127.5°	1110.0	1646.8	4629.4	5351.6	5233.8
130°	1165.3	1686.7	4384.5	5478.7	5391.8
132.5°	1220.6	1726.5	4210.7	5481.7	5526.1
135°	1323.3	1767.4	3999.4	5453.9	5579.4
137.5°	1427.9	1818.0	3801.9	5281.2	5541.9
140°	1491.1	1858.0	3643.9	5094.2	5470.8
142.5°	1562.2	1890.5	3493.8	4920.9	5320.7
145°	1668.9	1929.6	3337.8	4641.3	5075.8
147.5°	1751.8	1950.7	3162.0	4359.1	4718.3
150°	1807.1	1952.0	3090.9	4108.2	4552.4
152.5°	1854.5	1991.6	3004.0	3878.3	4283.8
155°	1925.6	2070.5	2863.8	3543.6	3910.5
157.5°	1996.7	2135.8	2697.9	3294.1	3543.2
160°	2044.1	2160.0	2587.3	3173.6	3337.8
162.5°	2083.6	2184.1	2468.8	2968.7	3156.1
165°	2133.0	2190.9	2300.9	2690.2	2873.6
167.5°	2178.4	2207.4	2314.7	2416.8	2565.5
170°	2202.1	2231.1	2291.0	2390.9	2439.1
172.5°	2225.8	2270.3	2259.4	2327.5	2368.0
175°	2251.5	2299.8	2231.8	2242.1	2261.4
177.5°	2257.4	2280.6	2265.3	2265.9	2289.0
180°	2241.6	2241.6	2241.6	2241.6	2241.6



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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	15.26	15.99	16.34	17.07	18.55	14.18	14.91	15.26	15.99	17.47
	3H	16.92	17.57	18.01	18.66	20.15	15.59	16.24	16.68	17.33	18.82
	4H	17.54	18.16	18.64	19.25	20.75	16.10	16.72	17.20	17.81	19.31
	6H	17.92	18.49	19.03	19.58	21.10	16.41	16.98	17.52	18.07	19.58
	8H	18.05	18.60	19.17	19.71	21.21	16.53	17.07	17.64	18.18	19.69
	12H	18.12	18.63	19.23	19.73	21.26	16.60	17.12	17.72	18.22	19.75
4H	2H	15.65	16.27	16.76	17.36	18.86	14.79	15.42	15.90	16.50	18.00
	3H	17.53	18.05	18.64	19.16	20.68	16.40	16.92	17.52	18.04	19.55
	4H	18.27	18.75	19.39	19.86	21.39	17.00	17.48	18.12	18.58	20.12
	6H	18.77	19.18	19.89	20.31	21.83	17.41	17.81	18.53	18.94	20.47
	8H	18.96	19.34	20.08	20.46	22.00	17.58	17.95	18.70	19.08	20.62
	12H	19.05	19.39	20.19	20.53	22.07	17.67	18.02	18.82	19.15	20.70
8H	4H	18.39	18.77	19.52	19.89	21.44	17.25	17.63	18.38	18.75	20.30
	6H	19.01	19.32	20.15	20.48	22.02	17.78	18.09	18.92	19.25	20.79
	8H	19.28	19.56	20.43	20.70	22.26	18.03	18.30	19.18	19.45	21.00
	12H	19.44	19.68	20.60	20.82	22.41	18.20	18.44	19.35	19.58	21.17
12H	4H	18.36	18.70	19.50	19.84	21.38	17.25	17.59	18.39	18.73	20.27
	6H	19.02	19.30	20.17	20.44	22.00	17.83	18.11	18.99	19.25	20.81
	8H	19.32	19.56	20.47	20.70	22.29	18.11	18.35	19.27	19.49	21.08