

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: P1438824

Luminaire Tested: CB2-125U-085D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438824  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-125U-085D-835-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

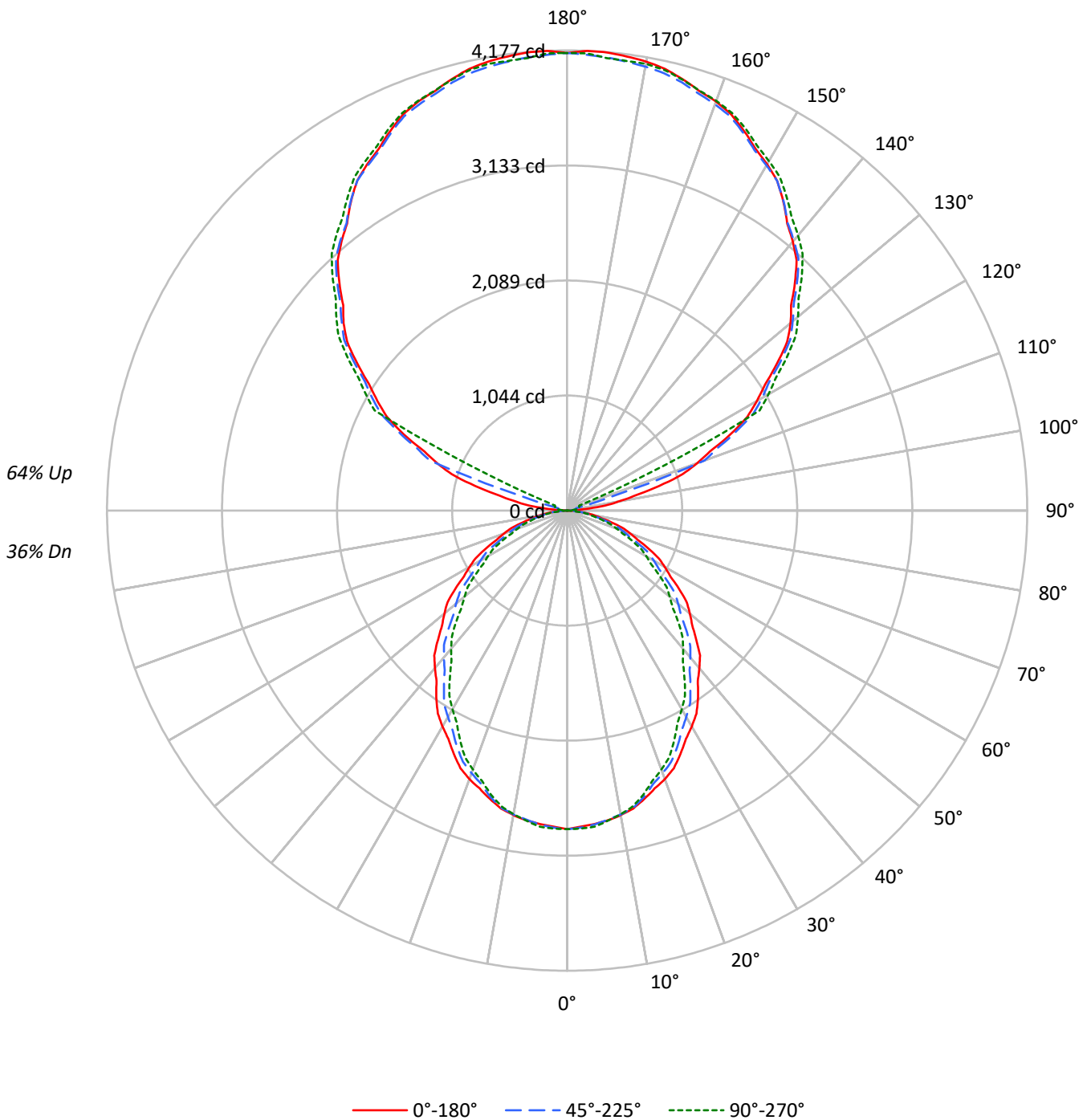
Lumens per Lamp: N/A  
Luminaire Lumens: 18584.5 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 151.7  
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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	36				
1	95	91	87	84	86	82	79	76	66	64	62	52	51	49	39	38	37	31				
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	33	31	26				
3	79	70	63	57	71	63	57	52	52	47	44	41	38	35	30	28	27	22				
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19				
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15				
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13				
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12				
9	49	37	29	25	44	34	27	23	28	23	20	22	19	16	17	15	13	11				
10	45	34	27	22	41	31	25	20	26	21	18	21	17	15	16	14	12	10				

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

	0°	45°	90°
0°	25180	25180	25180
5°	24967	25005	25179
10°	24825	24766	24746
15°	24431	24272	24072
20°	24047	23514	23185
25°	23401	22742	22103
30°	22752	21751	20927
35°	22007	20736	19748
40°	21217	19782	18625
45°	20422	18787	17533
50°	19706	17817	16467
55°	18824	16808	15462
60°	17814	15848	14460
65°	16743	14781	13458
70°	15558	13587	12176
75°	14152	12292	11026
80°	12658	10772	9995
85°	9732	8853	7304

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20422 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.9	1.5
10°-20°	757.9	4.1
20°-30°	1089.8	5.9
30°-40°	1224.9	6.6
40°-50°	1183.3	6.4
50°-60°	999.8	5.4
60°-70°	718.1	3.9
70°-80°	392.5	2.1
80°-90°	104.5	0.6
90°-100°	72.4	0.4
100°-110°	460.6	2.5
110°-120°	1463.6	7.9
120°-130°	2123.9	11.4
130°-140°	2284.2	12.3
140°-150°	2150.6	11.6
150°-160°	1752.0	9.4
160°-170°	1140.4	6.1
170°-180°	394.2	2.1
0°-30°	2119.6	11.4
0°-40°	3344.5	18.0
0°-60°	5527.6	29.7
0°-90°	6742.6	36.3
90°-120°	1996.6	10.7
90°-150°	8555.3	46.0
90°-180°	11842.0	63.7
0°-180°	18584.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2891	2891	2891	2891	2891	
5°	2856	2895	2860	2861	2880	271
15°	2710	2734	2692	2666	2670	764
25°	2435	2438	2367	2313	2300	1121
35°	2070	2046	1950	1875	1858	1293
45°	1658	1624	1525	1445	1424	1281
55°	1240	1194	1107	1038	1018	1108
65°	812	782	717	666	653	806
75°	421	395	365	336	328	450
85°	97	91	89	77	73	116
90°	0	0	0	3	3	10
95°	165	48	51	33	30	209
105°	865	897	90	105	111	911
115°	1637	1672	1688	1707	979	1609
125°	2324	2365	2366	2406	2438	2078
135°	2925	2960	2955	2974	3012	2256
145°	3423	3450	3426	3430	3474	2140
155°	3802	3825	3784	3776	3829	1753
165°	4054	4066	4024	4007	4048	1145
175°	4174	4183	4129	4102	4123	397
180°	4153	4153	4153	4153	4153	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2891.4	2891.4	2891.4	2891.4	2891.4
2.5°	2871.9	2906.5	2880.8	2884.4	2889.6
5°	2856.0	2894.9	2860.4	2860.8	2880.3
7.5°	2835.6	2872.4	2829.0	2821.0	2839.1
10°	2807.3	2844.1	2800.6	2785.4	2798.4
12.5°	2770.1	2805.1	2763.4	2739.3	2750.6
15°	2709.8	2733.7	2692.1	2665.7	2670.0
17.5°	2644.3	2659.0	2599.1	2576.9	2572.6
20°	2594.7	2607.7	2537.2	2506.1	2501.7
22.5°	2531.0	2542.2	2468.1	2429.9	2423.8
25°	2435.3	2437.5	2366.7	2313.3	2300.3
27.5°	2335.2	2328.3	2249.8	2186.5	2169.6
30°	2262.6	2254.0	2163.0	2096.2	2081.1
32.5°	2184.7	2169.1	2078.0	2005.9	1990.8
35°	2070.0	2046.2	1950.5	1874.8	1857.5
37.5°	1947.8	1921.0	1826.9	1744.6	1725.1
40°	1866.3	1836.0	1740.1	1657.8	1638.3
42.5°	1784.9	1751.1	1653.4	1571.0	1549.7
45°	1658.2	1623.6	1525.4	1445.2	1423.6
47.5°	1537.8	1493.6	1398.3	1318.6	1296.9
50°	1454.5	1406.9	1315.1	1237.1	1215.4
52.5°	1369.5	1320.2	1231.8	1157.4	1135.7
55°	1239.8	1194.3	1107.0	1037.9	1018.4
57.5°	1111.4	1067.7	987.9	921.9	902.8
60°	1022.8	986.0	909.9	847.5	830.2
62.5°	937.8	904.5	832.0	774.9	757.6
65°	812.5	782.2	717.3	666.1	653.1
67.5°	690.7	660.4	607.9	562.0	547.3
70°	611.0	580.7	533.6	491.2	478.2
72.5°	534.9	502.8	464.5	425.7	416.2
75°	420.6	394.7	365.3	336.3	327.7
77.5°	319.7	294.6	273.2	252.8	250.6
80°	252.4	230.7	214.8	201.4	199.3
82.5°	188.6	172.2	161.6	151.9	151.4
85°	97.4	90.9	88.6	77.4	73.1
87.5°	28.3	28.3	24.8	21.9	21.9
90°	0.0	0.0	0.0	3.0	3.0
92.5°	45.6	17.5	12.0	17.4	17.4
95°	165.2	47.7	51.1	33.0	30.0
97.5°	342.9	76.9	73.9	81.1	84.1
100°	477.5	157.4	81.1	93.2	96.1
102.5°	626.4	592.9	83.5	100.4	105.7
105°	864.8	897.1	90.1	105.2	111.1
107.5°	1099.1	1131.4	419.2	108.8	114.7
110°	1255.2	1287.5	1327.3	111.2	117.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1401.8	1441.1	1471.4	247.6	121.9
115°	1636.6	1671.8	1687.7	1707.1	979.0
117.5°	1843.8	1887.3	1905.1	1938.8	1971.7
120°	1987.9	2029.1	2042.0	2075.8	2111.1
122.5°	2129.7	2166.1	2174.1	2212.7	2245.6
125°	2324.3	2365.4	2366.3	2406.1	2438.4
127.5°	2518.9	2554.1	2552.5	2582.1	2618.0
130°	2648.6	2672.1	2672.6	2697.5	2735.7
132.5°	2756.7	2789.6	2790.3	2810.4	2848.6
135°	2924.9	2960.1	2954.9	2973.8	3012.0
137.5°	3082.8	3116.9	3107.4	3123.4	3162.7
140°	3186.1	3215.5	3201.1	3217.2	3261.2
142.5°	3282.2	3311.6	3290.0	3303.7	3350.1
145°	3423.4	3449.8	3426.4	3430.4	3474.4
147.5°	3548.9	3574.7	3546.5	3550.4	3591.5
150°	3630.6	3654.0	3618.5	3622.5	3663.6
152.5°	3702.6	3723.8	3685.8	3685.1	3733.3
155°	3801.7	3825.2	3783.7	3775.9	3828.8
157.5°	3891.8	3913.5	3872.0	3866.3	3907.4
160°	3951.9	3966.6	3924.8	3916.8	3957.9
162.5°	3992.7	4009.7	3968.1	3955.2	3996.3
165°	4054.0	4065.7	4023.9	4006.9	4048.0
167.5°	4106.8	4120.3	4066.6	4051.4	4095.4
170°	4138.1	4146.9	4093.0	4073.0	4117.0
172.5°	4157.3	4163.7	4109.8	4087.1	4117.0
175°	4174.1	4182.9	4129.0	4102.5	4123.0
177.5°	4177.1	4181.8	4141.1	4117.8	4153.1
180°	4153.1	4153.1	4153.1	4153.1	4153.1



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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	16.79	17.53	17.85	18.60	20.05	15.69	16.43	16.75	17.50	18.95
	3H	18.42	19.09	19.50	20.16	21.64	17.20	17.87	18.28	18.95	20.42
	4H	19.04	19.67	20.13	20.75	22.23	17.77	18.40	18.86	19.48	20.96
	6H	19.44	20.02	20.54	21.10	22.60	18.14	18.72	19.24	19.80	21.29
	8H	19.59	20.14	20.69	21.24	22.72	18.27	18.83	19.38	19.92	21.41
	12H	19.66	20.18	20.76	21.27	22.78	18.33	18.86	19.44	19.95	21.46
4H	2H	17.18	17.81	18.28	18.89	20.37	16.31	16.94	17.40	18.02	19.49
	3H	19.04	19.56	20.14	20.67	22.16	18.03	18.56	19.13	19.66	21.15
	4H	19.78	20.26	20.89	21.36	22.87	18.70	19.18	19.81	20.28	21.79
	6H	20.29	20.71	21.41	21.83	23.33	19.17	19.58	20.28	20.70	22.21
	8H	20.49	20.88	21.61	21.99	23.51	19.35	19.74	20.47	20.85	22.37
	12H	20.60	20.94	21.73	22.07	23.60	19.44	19.79	20.57	20.91	22.44
8H	4H	19.93	20.31	21.04	21.42	22.95	18.96	19.35	20.08	20.46	21.98
	6H	20.56	20.88	21.70	22.04	23.55	19.56	19.88	20.70	21.03	22.55
	8H	20.85	21.13	22.00	22.27	23.80	19.84	20.11	20.98	21.25	22.79
	12H	21.02	21.27	22.17	22.40	23.97	19.98	20.23	21.13	21.36	22.93
12H	4H	19.90	20.25	21.03	21.37	22.90	18.96	19.31	20.09	20.43	21.96
	6H	20.59	20.87	21.73	22.00	23.54	19.62	19.90	20.77	21.04	22.58
	8H	20.90	21.15	22.05	22.28	23.85	19.92	20.17	21.07	21.30	22.88