

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: P1439092

Luminaire Tested: CB2-D-125U-085D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439092  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-D-125U-085D-930-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

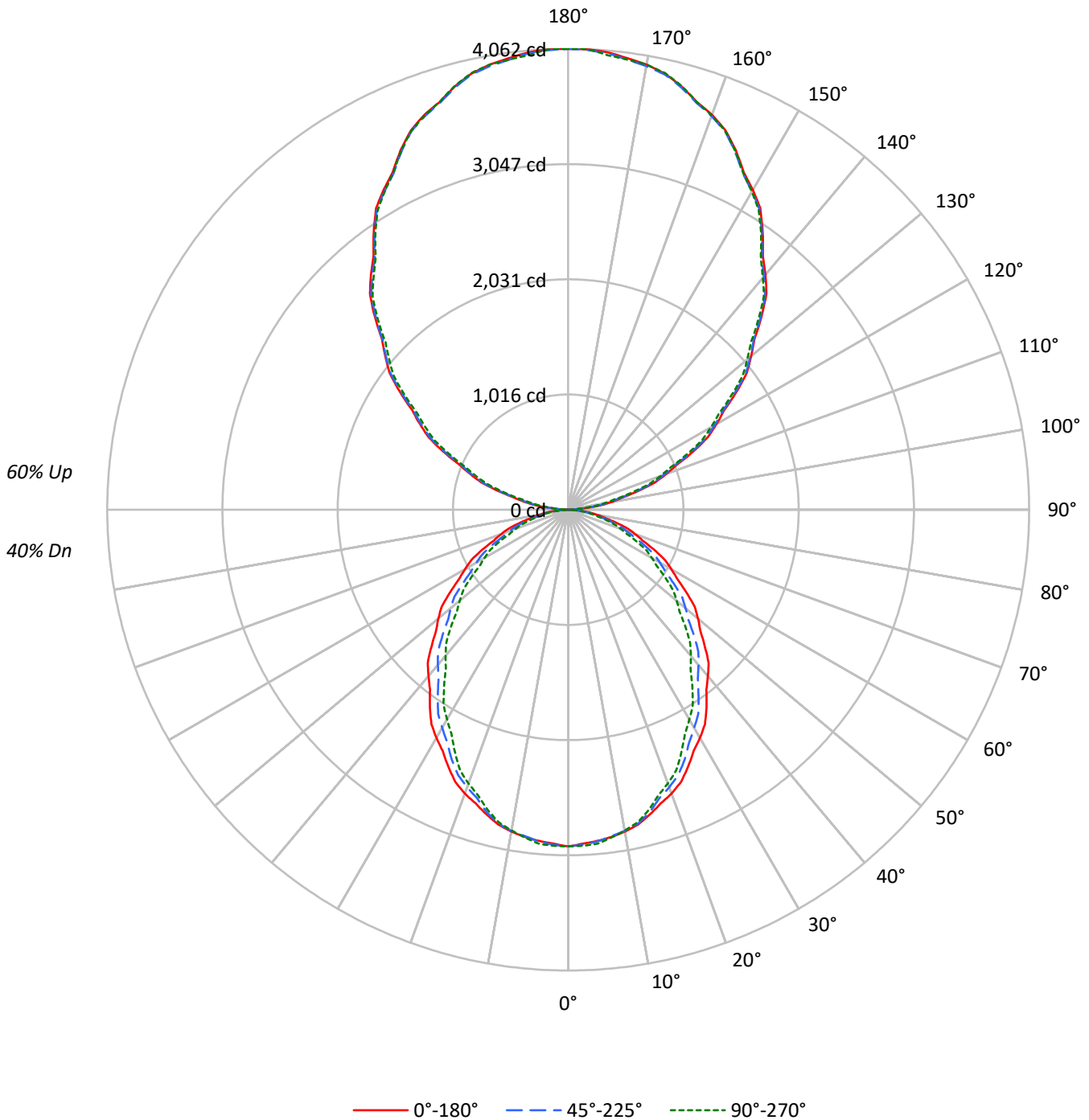
Lumens per Lamp: N/A  
Luminaire Lumens: 17279.7 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 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										
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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40																				
1	96	91	88	84	87	83	80	77	68	66	64	54	53	52	42	41	40	34																				
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34	29																				
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29	25																				
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21																				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	18																				
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16																				
7	57	45	37	32	52	41	35	30	35	29	25	28	24	21	22	19	17	15																				
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	16	13																				
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12																				
10	46	34	27	22	42	32	25	21	27	22	18	22	18	15	17	15	13	11																				

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

	0°	45°	90°
0°	25841	25841	25841
5°	25623	25662	25841
10°	25477	25417	25396
15°	25073	24909	24704
20°	24679	24131	23794
25°	24016	23338	22684
30°	23351	22322	21476
35°	22585	21281	20266
40°	21775	20302	19114
45°	20959	19281	17992
50°	20224	18285	16900
55°	19319	17248	15869
60°	18283	16264	14840
65°	17182	15168	13813
70°	15967	13943	12497
75°	14526	12615	11316
80°	12989	11053	10256
85°	9992	9083	7494

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20959 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.0	1.6
10°-20°	777.8	4.5
20°-30°	1118.4	6.5
30°-40°	1257.1	7.3
40°-50°	1214.3	7.0
50°-60°	1026.0	5.9
60°-70°	737.0	4.3
70°-80°	402.8	2.3
80°-90°	107.2	0.6
90°-100°	156.9	0.9
100°-110°	647.2	3.7
110°-120°	1174.9	6.8
120°-130°	1598.8	9.3
130°-140°	1845.6	10.7
140°-150°	1859.9	10.8
150°-160°	1605.0	9.3
160°-170°	1087.8	6.3
170°-180°	383.7	2.2
0°-30°	2175.3	12.6
0°-40°	3432.4	19.9
0°-60°	5672.7	32.8
0°-90°	6919.7	40.0
90°-120°	1979.1	11.5
90°-150°	7283.4	42.1
90°-180°	10360.0	60.0
0°-180°	17279.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2967	2967	2967	2967	2967	
5°	2931	2971	2936	2936	2956	278
15°	2781	2805	2763	2736	2740	784
25°	2499	2502	2429	2374	2361	1151
35°	2124	2100	2002	1924	1906	1327
45°	1702	1666	1566	1483	1461	1315
55°	1272	1226	1136	1065	1045	1137
65°	834	803	736	684	670	827
75°	432	405	375	345	336	462
85°	100	93	91	79	75	119
90°	0	0	3	0	3	9
95°	152	134	127	98	98	177
105°	640	631	615	580	574	679
115°	1217	1214	1191	1156	1153	1201
125°	1809	1828	1790	1752	1755	1616
135°	2411	2439	2399	2355	2370	1857
145°	2988	3022	2975	2941	2963	1867
155°	3495	3529	3479	3458	3486	1607
165°	3863	3903	3853	3832	3866	1088
175°	4046	4090	4037	4012	4021	384
180°	4062	4062	4062	4062	4062	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2967.3	2967.3	2967.3	2967.3	2967.3
2.5°	2947.3	2982.9	2956.4	2960.2	2965.5
5°	2931.0	2971.0	2935.5	2936.0	2956.0
7.5°	2910.1	2947.8	2903.2	2895.0	2913.7
10°	2881.0	2918.7	2874.2	2858.6	2871.9
12.5°	2842.8	2878.8	2836.0	2811.3	2822.8
15°	2781.0	2805.4	2762.8	2735.7	2740.1
17.5°	2713.8	2728.9	2667.4	2644.6	2640.1
20°	2662.9	2676.2	2603.8	2571.9	2567.4
22.5°	2597.4	2609.0	2532.9	2493.7	2487.5
25°	2499.3	2501.5	2428.8	2374.0	2360.7
27.5°	2396.6	2389.5	2308.9	2244.0	2226.6
30°	2322.1	2313.2	2219.8	2151.3	2135.7
32.5°	2242.1	2226.1	2132.6	2058.6	2043.0
35°	2124.4	2099.9	2001.7	1924.0	1906.3
37.5°	1999.0	1971.4	1874.9	1790.4	1770.4
40°	1915.4	1884.3	1785.8	1701.3	1681.3
42.5°	1831.7	1797.1	1696.8	1612.2	1590.4
45°	1701.8	1666.2	1565.5	1483.2	1460.9
47.5°	1578.2	1532.9	1435.0	1353.2	1331.0
50°	1492.7	1443.9	1349.6	1269.6	1247.4
52.5°	1405.5	1354.8	1264.2	1187.8	1165.6
55°	1272.4	1225.7	1136.0	1065.1	1045.2
57.5°	1140.6	1095.7	1013.8	946.1	926.5
60°	1049.7	1011.9	933.8	869.8	852.0
62.5°	962.4	928.2	853.8	795.3	777.5
65°	833.8	802.7	736.1	683.6	670.3
67.5°	708.9	677.8	623.9	576.8	561.7
70°	627.1	596.0	547.6	504.1	490.8
72.5°	548.9	516.1	476.7	436.9	427.1
75°	431.7	405.0	374.9	345.2	336.3
77.5°	328.1	302.3	280.4	259.4	257.2
80°	259.0	236.8	220.4	206.7	204.5
82.5°	193.6	176.7	165.9	155.9	155.4
85°	100.0	93.3	90.9	79.4	75.0
87.5°	29.1	29.1	26.1	21.8	22.4
90°	0.0	0.0	3.2	0.1	3.2
92.5°	38.0	33.1	31.1	20.3	23.4
95°	152.1	133.5	126.7	98.2	98.2
97.5°	287.1	268.5	258.6	229.3	223.1
100°	383.4	364.8	354.9	323.1	316.9
102.5°	482.3	473.6	456.3	421.9	415.7
105°	640.1	630.8	614.7	579.7	573.5
107.5°	802.3	804.2	780.1	751.4	742.7
110°	918.9	915.8	896.7	868.1	861.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1038.1	1032.5	1013.3	984.7	978.5
115°	1216.8	1213.7	1191.4	1156.5	1153.4
117.5°	1386.6	1396.5	1370.1	1333.3	1332.1
120°	1508.3	1520.7	1489.3	1457.4	1451.2
122.5°	1627.4	1642.3	1610.9	1574.2	1575.5
125°	1809.3	1827.9	1790.3	1752.3	1755.4
127.5°	1984.8	2007.8	1972.8	1934.2	1938.0
130°	2104.0	2131.9	2094.5	2053.4	2059.6
132.5°	2225.7	2253.5	2216.2	2172.7	2183.8
135°	2411.3	2439.2	2398.7	2354.7	2370.2
137.5°	2586.3	2614.1	2569.8	2532.8	2551.4
140°	2702.9	2730.7	2683.9	2649.4	2668.0
142.5°	2816.9	2849.8	2800.5	2763.6	2787.2
145°	2988.0	3022.1	2975.4	2941.0	2962.7
147.5°	3150.3	3184.4	3137.0	3103.9	3126.2
150°	3254.2	3288.3	3238.4	3210.4	3235.2
152.5°	3350.5	3389.6	3337.2	3309.4	3341.7
155°	3495.0	3529.1	3479.2	3457.6	3485.5
157.5°	3620.5	3660.2	3610.4	3591.9	3614.2
160°	3704.2	3741.3	3691.5	3673.0	3697.8
162.5°	3767.5	3807.2	3759.9	3739.1	3768.8
165°	3862.6	3902.9	3853.1	3831.7	3865.8
167.5°	3937.4	3980.1	3929.8	3907.7	3942.4
170°	3983.0	4023.3	3970.3	3945.8	3983.0
172.5°	4013.4	4056.2	4000.7	3976.0	4000.7
175°	4046.4	4089.7	4036.9	4011.7	4021.0
177.5°	4062.2	4096.9	4054.6	4032.5	4062.2
180°	4062.2	4062.2	4062.2	4062.2	4062.2



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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	17.30	18.07	18.34	19.11	20.52	16.20	16.97	17.24	18.02	19.42
	3H	18.94	19.63	19.99	20.68	22.11	17.72	18.41	18.77	19.46	20.89
	4H	19.56	20.22	20.62	21.27	22.71	18.29	18.94	19.35	20.00	21.43
	6H	19.96	20.56	21.03	21.62	23.07	18.66	19.26	19.73	20.32	21.76
	8H	20.11	20.68	21.18	21.75	23.19	18.80	19.37	19.87	20.44	21.88
	12H	20.18	20.72	21.26	21.79	23.25	18.86	19.40	19.94	20.47	21.93
4H	2H	17.70	18.35	18.77	19.41	20.84	16.82	17.48	17.89	18.53	19.97
	3H	19.56	20.10	20.64	21.19	22.63	18.55	19.10	19.63	20.18	21.63
	4H	20.30	20.80	21.38	21.87	23.34	19.22	19.72	20.30	20.79	22.26
	6H	20.82	21.24	21.91	22.34	23.80	19.69	20.12	20.78	21.22	22.68
	8H	21.02	21.42	22.11	22.51	23.99	19.88	20.28	20.97	21.37	22.85
	12H	21.12	21.48	22.23	22.59	24.07	19.96	20.32	21.07	21.43	22.91
8H	4H	20.45	20.85	21.54	21.94	23.42	19.49	19.89	20.58	20.98	22.45
	6H	21.09	21.42	22.20	22.55	24.03	20.09	20.42	21.20	21.55	23.02
	8H	21.38	21.67	22.50	22.78	24.28	20.36	20.65	21.48	21.76	23.26
	12H	21.55	21.80	22.67	22.91	24.44	20.51	20.76	21.63	21.87	23.40
12H	4H	20.43	20.79	21.53	21.89	23.37	19.49	19.85	20.59	20.95	22.43
	6H	21.12	21.41	22.24	22.52	24.01	20.15	20.44	21.27	21.55	23.05
	8H	21.43	21.68	22.55	22.79	24.33	20.45	20.71	21.57	21.82	23.35