

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: P1439074

Luminaire Tested: CB2-D-125U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439074  
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-030D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

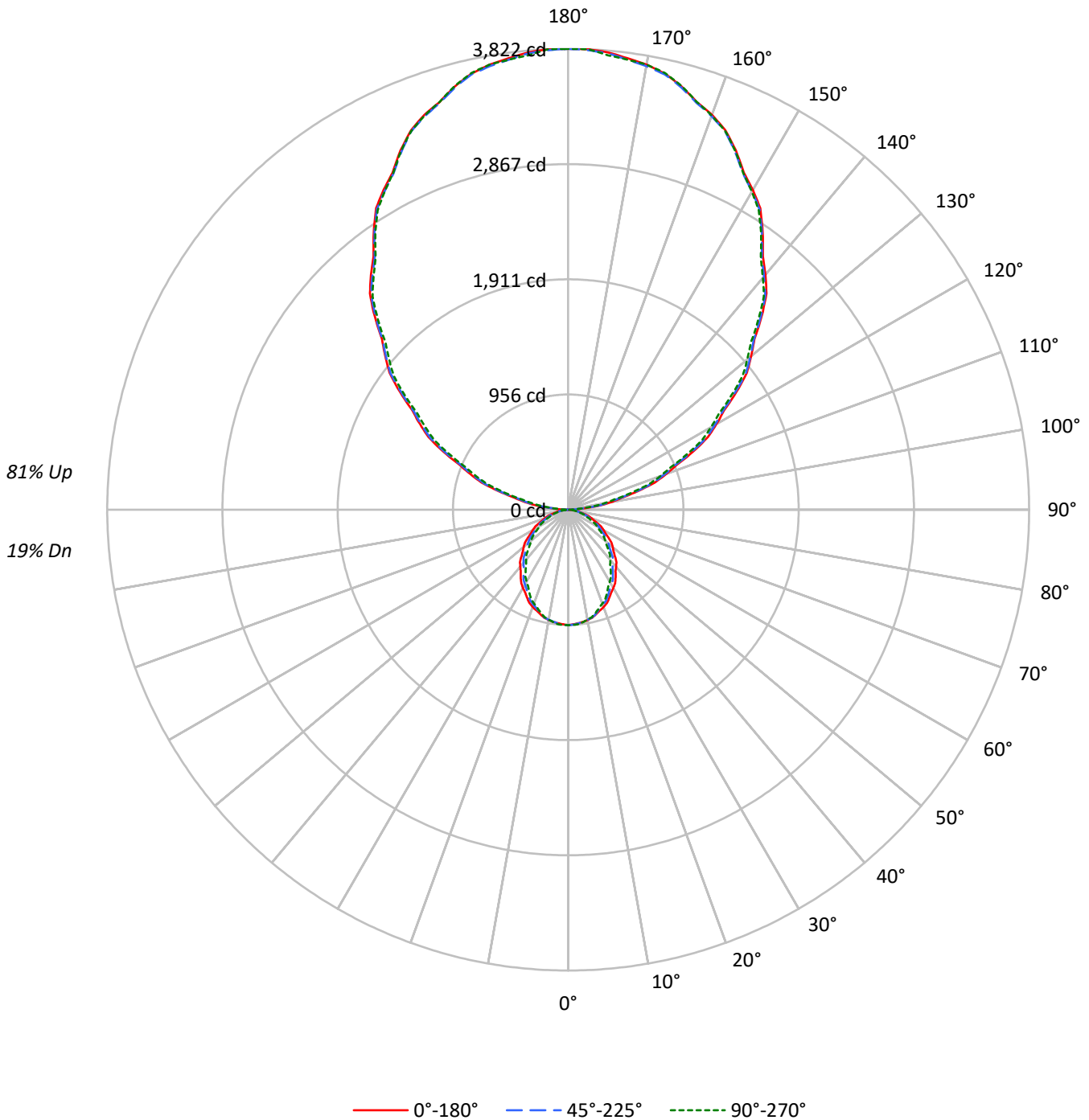
Lumens per Lamp: N/A  
Luminaire Lumens: 11981.0 lumens  
Efficiency: N/A  
Efficacy: 104.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 114.3  
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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19																				
1	91	87	83	80	80	77	74	71	58	56	54	40	39	38	24	24	23	16																				
2	83	76	70	65	73	67	62	58	51	47	45	35	33	32	21	20	20	13																				
3	75	67	60	54	66	59	53	49	45	41	38	31	29	27	19	18	17	11																				
4	69	59	51	46	60	52	46	41	40	35	32	28	25	23	17	16	14	10																				
5	63	52	45	39	55	46	40	35	35	31	27	25	22	20	15	14	13	9																				
6	58	47	39	34	51	41	35	30	32	27	24	22	20	17	14	12	11	8																				
7	53	42	34	29	47	37	31	26	29	24	21	20	17	15	13	11	10	7																				
8	49	38	31	26	44	34	27	23	26	21	18	19	16	13	12	10	9	6																				
9	46	34	27	23	40	31	25	20	24	19	16	17	14	12	11	9	8	5																				
10	43	31	25	20	38	28	22	18	22	17	14	16	13	11	10	8	7	5																				

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

	0°	45°	90°
0°	8339	8339	8339
5°	8268	8280	8338
10°	8220	8202	8195
15°	8091	8038	7972
20°	7964	7787	7678
25°	7750	7531	7320
30°	7535	7203	6931
35°	7288	6867	6539
40°	7027	6552	6167
45°	6763	6221	5806
50°	6526	5900	5453
55°	6234	5566	5121
60°	5899	5248	4788
65°	5545	4894	4457
70°	5154	4499	4033
75°	4687	4071	3651
80°	4193	3566	3310
85°	3227	2928	2418

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6763 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.0	0.8
10°-20°	251.0	2.1
20°-30°	360.9	3.0
30°-40°	405.6	3.4
40°-50°	391.8	3.3
50°-60°	331.1	2.8
60°-70°	237.8	2.0
70°-80°	130.0	1.1
80°-90°	34.7	0.3
90°-100°	147.7	1.2
100°-110°	609.0	5.1
110°-120°	1105.5	9.2
120°-130°	1504.3	12.6
130°-140°	1736.6	14.5
140°-150°	1750.0	14.6
150°-160°	1510.2	12.6
160°-170°	1023.6	8.5
170°-180°	361.1	3.0
0°-30°	701.9	5.9
0°-40°	1107.6	9.2
0°-60°	1830.5	15.3
0°-90°	2233.0	18.6
90°-120°	1862.2	15.5
90°-150°	6853.1	57.2
90°-180°	9748.0	81.4
0°-180°	11981.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	946	959	947	947	954	90
15°	897	905	892	883	884	253
25°	806	807	784	766	762	371
35°	686	678	646	621	615	428
45°	549	538	505	479	471	424
55°	411	396	367	344	337	367
65°	269	259	238	221	216	267
75°	139	131	121	111	108	149
85°	32	30	29	26	24	38
90°	0	0	3	0	3	6
95°	143	126	119	92	92	166
105°	602	594	578	546	540	639
115°	1145	1142	1121	1088	1085	1130
125°	1702	1720	1684	1649	1652	1520
135°	2269	2295	2257	2216	2230	1747
145°	2812	2844	2800	2767	2788	1757
155°	3289	3321	3274	3253	3280	1512
165°	3634	3672	3626	3605	3637	1024
175°	3807	3848	3798	3775	3784	361
180°	3822	3822	3822	3822	3822	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	957.5	957.5	957.5	957.5	957.5
2.5°	951.1	962.5	954.0	955.2	956.9
5°	945.8	958.7	947.2	947.4	953.8
7.5°	939.0	951.2	936.8	934.2	940.2
10°	929.6	941.8	927.5	922.4	926.7
12.5°	917.3	928.9	915.1	907.2	910.9
15°	897.4	905.3	891.5	882.8	884.2
17.5°	875.7	880.6	860.7	853.4	851.9
20°	859.3	863.6	840.2	829.9	828.5
22.5°	838.2	841.9	817.3	804.7	802.7
25°	806.5	807.2	783.8	766.1	761.8
27.5°	773.3	771.0	745.0	724.1	718.5
30°	749.3	746.4	716.3	694.2	689.2
32.5°	723.5	718.3	688.1	664.3	659.3
35°	685.5	677.6	645.9	620.9	615.1
37.5°	645.0	636.1	605.0	577.7	571.3
40°	618.1	608.0	576.3	549.0	542.5
42.5°	591.1	579.9	547.5	520.2	513.2
45°	549.1	537.7	505.1	478.6	471.4
47.5°	509.3	494.6	463.1	436.7	429.5
50°	481.7	465.9	435.5	409.7	402.5
52.5°	453.5	437.2	407.9	383.3	376.1
55°	410.6	395.5	366.6	343.7	337.3
57.5°	368.0	353.6	327.1	305.3	299.0
60°	338.7	326.5	301.3	280.7	274.9
62.5°	310.6	299.5	275.5	256.6	250.9
65°	269.1	259.0	237.5	220.6	216.3
67.5°	228.7	218.7	201.3	186.1	181.2
70°	202.4	192.3	176.7	162.7	158.4
72.5°	177.1	166.5	153.8	141.0	137.8
75°	139.3	130.7	121.0	111.4	108.5
77.5°	105.9	97.6	90.5	83.7	83.0
80°	83.6	76.4	71.1	66.7	66.0
82.5°	62.5	57.0	53.5	50.3	50.1
85°	32.3	30.1	29.3	25.6	24.2
87.5°	9.4	9.4	8.8	7.1	7.6
90°	0.0	0.0	3.0	0.1	3.0
92.5°	35.8	31.1	29.2	19.1	22.1
95°	143.1	125.6	119.3	92.4	92.4
97.5°	270.1	252.6	243.3	215.7	209.9
100°	360.8	343.3	333.9	304.0	298.1
102.5°	453.8	445.6	429.3	397.0	391.2
105°	602.3	593.5	578.4	545.5	539.6
107.5°	754.9	756.7	734.0	707.0	698.9
110°	864.6	861.7	843.8	816.8	811.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	976.7	971.5	953.5	926.5	920.7
115°	1144.9	1142.0	1121.0	1088.2	1085.3
117.5°	1304.7	1314.0	1289.2	1254.6	1253.4
120°	1419.2	1430.8	1401.3	1371.3	1365.5
122.5°	1531.3	1545.3	1515.8	1481.2	1482.4
125°	1702.4	1719.9	1684.5	1648.8	1651.7
127.5°	1867.6	1889.2	1856.3	1820.0	1823.5
130°	1979.7	2005.9	1970.8	1932.1	1938.0
132.5°	2094.2	2120.4	2085.2	2044.3	2054.8
135°	2268.9	2295.1	2257.0	2215.6	2230.1
137.5°	2433.5	2459.7	2418.0	2383.2	2400.7
140°	2543.2	2569.4	2525.3	2492.9	2510.4
142.5°	2650.5	2681.4	2635.0	2600.4	2622.5
145°	2811.5	2843.6	2799.6	2767.3	2787.7
147.5°	2964.2	2996.3	2951.7	2920.5	2941.5
150°	3062.0	3094.0	3047.1	3020.8	3044.1
152.5°	3152.6	3189.3	3140.1	3114.0	3144.3
155°	3288.6	3320.6	3273.7	3253.4	3279.6
157.5°	3406.6	3444.0	3397.1	3379.7	3400.7
160°	3485.4	3520.3	3473.4	3456.1	3479.4
162.5°	3545.0	3582.3	3537.8	3518.2	3546.2
165°	3634.4	3672.3	3625.5	3605.3	3637.4
167.5°	3704.8	3745.0	3697.6	3676.9	3709.6
170°	3747.7	3785.6	3735.8	3712.7	3747.7
172.5°	3776.3	3816.6	3764.4	3741.1	3764.4
175°	3807.4	3848.2	3798.4	3774.8	3783.5
177.5°	3822.3	3854.9	3815.1	3794.3	3822.3
180°	3822.3	3822.3	3822.3	3822.3	3822.3



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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	10.27	10.90	11.46	12.07	13.73	9.17	9.80	10.36	10.97	12.63
	3H	11.90	12.46	13.09	13.64	15.31	10.68	11.25	11.87	12.42	14.09
	4H	12.51	13.05	13.72	14.23	15.90	11.24	11.78	12.44	12.96	14.63
	6H	12.91	13.40	14.11	14.58	16.26	11.60	12.10	12.81	13.27	14.96
	8H	13.05	13.52	14.26	14.71	16.39	11.74	12.21	12.95	13.40	15.08
	12H	13.11	13.56	14.33	14.74	16.45	11.79	12.24	13.00	13.42	15.12
4H	2H	10.65	11.19	11.86	12.36	14.04	9.78	10.31	10.99	11.49	13.17
	3H	12.50	12.95	13.71	14.15	15.84	11.49	11.94	12.70	13.14	14.83
	4H	13.23	13.65	14.45	14.84	16.54	12.15	12.57	13.37	13.76	15.46
	6H	13.74	14.10	14.96	15.31	17.00	12.62	12.97	13.83	14.18	15.87
	8H	13.94	14.27	15.16	15.47	17.18	12.80	13.13	14.02	14.33	16.04
	12H	14.04	14.34	15.27	15.55	17.26	12.88	13.18	14.11	14.39	16.10
8H	4H	13.37	13.70	14.59	14.90	16.62	12.41	12.74	13.63	13.94	15.65
	6H	14.01	14.28	15.24	15.52	17.23	13.00	13.28	14.24	14.52	16.23
	8H	14.29	14.53	15.53	15.75	17.48	13.28	13.51	14.52	14.73	16.46
	12H	14.46	14.67	15.70	15.88	17.64	13.42	13.62	14.66	14.84	16.60
12H	4H	13.34	13.64	14.57	14.85	16.57	12.40	12.70	13.63	13.91	15.63
	6H	14.03	14.27	15.27	15.49	17.22	13.07	13.30	14.30	14.52	16.25
	8H	14.34	14.55	15.58	15.76	17.52	13.36	13.57	14.60	14.79	16.54