

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: P1438794

Luminaire Tested: CB2-125U-030D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438794
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-030D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

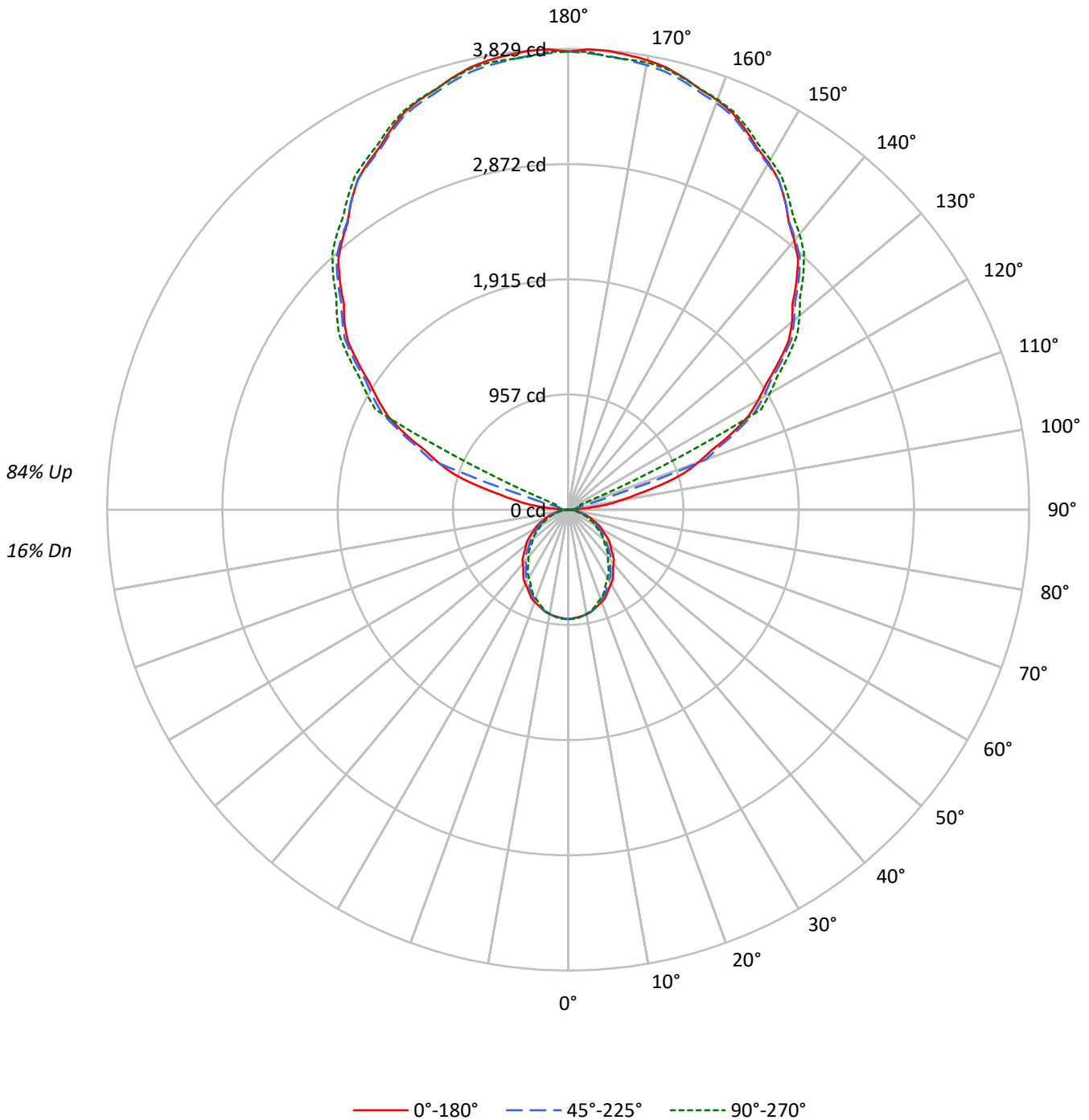
Lumens per Lamp: N/A
Luminaire Lumens: 12973.5 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 114.3
Input Voltage (V): 120
Input Current (A_{in}): 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									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	87	87	87	87	65	65	65	44	44	44	25	25	25	16																			
1	90	86	83	79	79	76	73	70	57	55	53	39	38	37	22	22	21	14																			
2	82	75	70	65	72	66	62	58	50	46	44	34	32	31	20	19	18	12																			
3	75	66	59	54	66	58	53	48	44	40	37	30	28	26	17	16	15	10																			
4	68	58	51	45	60	52	45	41	39	35	31	27	24	22	16	14	13	9																			
5	63	52	44	39	55	46	39	35	34	30	27	24	21	19	14	13	12	8																			
6	58	46	39	33	50	41	35	30	31	26	23	22	19	17	13	11	10	7																			
7	53	42	34	29	47	37	30	26	28	23	20	19	17	15	12	10	9	6																			
8	49	38	30	25	43	33	27	23	25	21	18	18	15	13	11	9	8	5																			
9	46	34	27	22	40	30	24	20	23	19	16	16	13	11	10	8	7	5																			
10	42	31	24	20	37	28	22	18	21	17	14	15	12	10	9	8	7	4																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7915	7915	7915
5°	7848	7860	7915
10°	7803	7785	7778
15°	7680	7629	7567
20°	7559	7391	7288
25°	7356	7148	6947
30°	7152	6837	6579
35°	6918	6518	6208
40°	6669	6218	5855
45°	6419	5905	5511
50°	6194	5601	5177
55°	5917	5284	4860
60°	5600	4981	4546
65°	5263	4647	4231
70°	4891	4270	3827
75°	4448	3863	3466
80°	3977	3385	3139
85°	3058	2778	2298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6419 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	0.7
10°-20°	238.2	1.8
20°-30°	342.6	2.6
30°-40°	385.0	3.0
40°-50°	371.9	2.9
50°-60°	314.3	2.4
60°-70°	225.7	1.7
70°-80°	123.4	1.0
80°-90°	33.0	0.3
90°-100°	66.3	0.5
100°-110°	422.2	3.3
110°-120°	1341.5	10.3
120°-130°	1946.7	15.0
130°-140°	2093.6	16.1
140°-150°	1971.2	15.2
150°-160°	1605.8	12.4
160°-170°	1045.2	8.1
170°-180°	361.3	2.8
0°-30°	666.3	5.1
0°-40°	1051.3	8.1
0°-60°	1737.5	13.4
0°-90°	2119.5	16.3
90°-120°	1830.0	14.1
90°-150°	7841.6	60.4
90°-180°	10854.0	83.7
0°-180°	12973.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	898	910	899	899	905	85
15°	852	859	846	838	839	240
25°	766	766	744	727	723	352
35°	651	643	613	589	584	406
45°	521	510	480	454	448	403
55°	390	375	348	326	320	348
65°	255	246	226	209	205	253
75°	132	124	115	106	103	141
85°	31	29	28	24	23	36
90°	0	0	0	3	3	7
95°	151	44	47	30	28	192
105°	793	822	83	96	102	835
115°	1500	1532	1547	1565	897	1475
125°	2130	2168	2169	2205	2235	1904
135°	2681	2713	2708	2726	2761	2067
145°	3138	3162	3140	3144	3184	1961
155°	3484	3506	3468	3461	3509	1607
165°	3716	3726	3688	3673	3710	1049
175°	3826	3834	3785	3760	3779	364
180°	3807	3807	3807	3807	3807	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	908.9	908.9	908.9	908.9	908.9
2.5°	902.7	913.6	905.5	906.7	908.3
5°	897.7	910.0	899.1	899.2	905.4
7.5°	891.3	902.9	889.2	886.7	892.4
10°	882.4	894.0	880.3	875.5	879.6
12.5°	870.7	881.7	868.6	861.1	864.6
15°	851.8	859.3	846.2	837.9	839.3
17.5°	831.2	835.8	817.0	810.0	808.6
20°	815.6	819.7	797.5	787.7	786.4
22.5°	795.6	799.1	775.8	763.8	761.9
25°	765.5	766.2	743.9	727.1	723.0
27.5°	734.0	731.9	707.2	687.3	682.0
30°	711.2	708.5	679.9	658.9	654.2
32.5°	686.7	681.8	653.2	630.5	625.8
35°	650.7	643.2	613.1	589.3	583.9
37.5°	612.3	603.8	574.3	548.4	542.2
40°	586.6	577.1	547.0	521.1	515.0
42.5°	561.0	550.4	519.7	493.8	487.1
45°	521.2	510.3	479.5	454.3	447.5
47.5°	483.4	469.5	439.5	414.5	407.7
50°	457.2	442.2	413.4	388.9	382.1
52.5°	430.5	415.0	387.2	363.8	357.0
55°	389.7	375.4	348.0	326.2	320.1
57.5°	349.3	335.6	310.5	289.8	283.8
60°	321.5	309.9	286.0	266.4	261.0
62.5°	294.8	284.3	261.5	243.6	238.1
65°	255.4	245.9	225.5	209.4	205.3
67.5°	217.1	207.6	191.1	176.7	172.0
70°	192.1	182.5	167.7	154.4	150.3
72.5°	168.1	158.1	146.0	133.8	130.8
75°	132.2	124.1	114.8	105.7	103.0
77.5°	100.5	92.6	85.9	79.5	78.8
80°	79.3	72.5	67.5	63.3	62.6
82.5°	59.3	54.1	50.8	47.7	47.6
85°	30.6	28.6	27.8	24.3	23.0
87.5°	8.9	8.9	7.8	7.2	7.2
90°	0.0	0.0	0.0	2.8	2.8
92.5°	41.8	16.0	11.0	16.0	16.0
95°	151.4	43.7	46.8	30.2	27.5
97.5°	314.3	70.5	67.7	74.4	77.1
100°	437.6	144.3	74.3	85.4	88.1
102.5°	574.2	543.5	76.5	92.0	96.9
105°	792.7	822.3	82.6	96.5	101.8
107.5°	1007.4	1037.0	384.2	99.8	105.1
110°	1150.5	1180.1	1216.6	102.0	107.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1284.8	1320.9	1348.7	226.9	111.7
115°	1500.1	1532.4	1546.9	1564.7	897.3
117.5°	1690.0	1729.8	1746.1	1777.1	1807.2
120°	1822.1	1859.8	1871.6	1902.6	1934.9
122.5°	1952.0	1985.4	1992.7	2028.1	2058.2
125°	2130.4	2168.0	2168.9	2205.4	2235.0
127.5°	2308.7	2341.0	2339.5	2366.7	2399.5
130°	2427.6	2449.2	2449.6	2472.5	2507.4
132.5°	2526.7	2556.9	2557.5	2575.9	2610.9
135°	2680.8	2713.1	2708.4	2725.7	2760.7
137.5°	2825.6	2856.8	2848.2	2862.8	2898.8
140°	2920.3	2947.2	2934.1	2948.7	2989.1
142.5°	3008.4	3035.3	3015.5	3028.1	3070.6
145°	3137.7	3162.0	3140.5	3144.2	3184.5
147.5°	3252.8	3276.5	3250.6	3254.2	3291.9
150°	3327.7	3349.2	3316.6	3320.3	3357.9
152.5°	3393.7	3413.1	3378.3	3377.7	3421.8
155°	3484.5	3506.1	3468.0	3460.9	3509.3
157.5°	3567.1	3587.0	3549.0	3543.8	3581.4
160°	3622.2	3635.6	3597.4	3590.0	3627.7
162.5°	3659.6	3675.2	3637.0	3625.2	3662.9
165°	3715.7	3726.5	3688.2	3672.6	3710.2
167.5°	3764.2	3776.6	3727.3	3713.4	3753.7
170°	3792.8	3800.9	3751.5	3733.2	3773.5
172.5°	3810.4	3816.4	3766.9	3746.1	3773.5
175°	3825.8	3833.9	3784.6	3760.2	3779.1
177.5°	3828.6	3832.9	3795.6	3774.3	3806.6
180°	3806.6	3806.6	3806.6	3806.6	3806.6



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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	9.59	10.21	10.79	11.38	13.07	8.49	9.11	9.69	10.29	11.97
	3H	11.21	11.77	12.42	12.95	14.65	10.00	10.55	11.20	11.74	13.43
	4H	11.83	12.36	13.05	13.54	15.24	10.56	11.09	11.77	12.27	13.97
	6H	12.22	12.70	13.44	13.89	15.60	10.92	11.40	12.14	12.59	14.30
	8H	12.36	12.82	13.58	14.02	15.73	11.05	11.51	12.27	12.71	14.41
	12H	12.43	12.86	13.65	14.06	15.78	11.10	11.54	12.33	12.74	14.46
4H	2H	9.97	10.49	11.19	11.68	13.38	9.09	9.62	10.32	10.80	12.50
	3H	11.81	12.25	13.04	13.46	15.17	10.80	11.24	12.03	12.45	14.17
	4H	12.55	12.95	13.77	14.15	15.88	11.47	11.87	12.69	13.07	14.80
	6H	13.05	13.40	14.28	14.62	16.34	11.93	12.28	13.16	13.50	15.21
	8H	13.25	13.58	14.48	14.79	16.52	12.11	12.44	13.34	13.65	15.38
	12H	13.35	13.64	14.59	14.86	16.60	12.19	12.48	13.43	13.70	15.44
8H	4H	12.69	13.01	13.91	14.22	15.95	11.72	12.05	12.95	13.26	14.99
	6H	13.32	13.58	14.56	14.84	16.57	12.32	12.58	13.56	13.84	15.57
	8H	13.61	13.84	14.86	15.07	16.82	12.59	12.82	13.84	14.05	15.80
	12H	13.77	13.97	15.02	15.20	16.98	12.73	12.93	13.98	14.16	15.94
12H	4H	12.65	12.95	13.90	14.17	15.91	11.71	12.01	12.96	13.23	14.97
	6H	13.34	13.58	14.59	14.80	16.56	12.38	12.61	13.63	13.84	15.59
	8H	13.65	13.85	14.90	15.08	16.86	12.67	12.87	13.92	14.10	15.88