

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: P1438797

Luminaire Tested: CB2-125U-030D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438797  
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-840-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

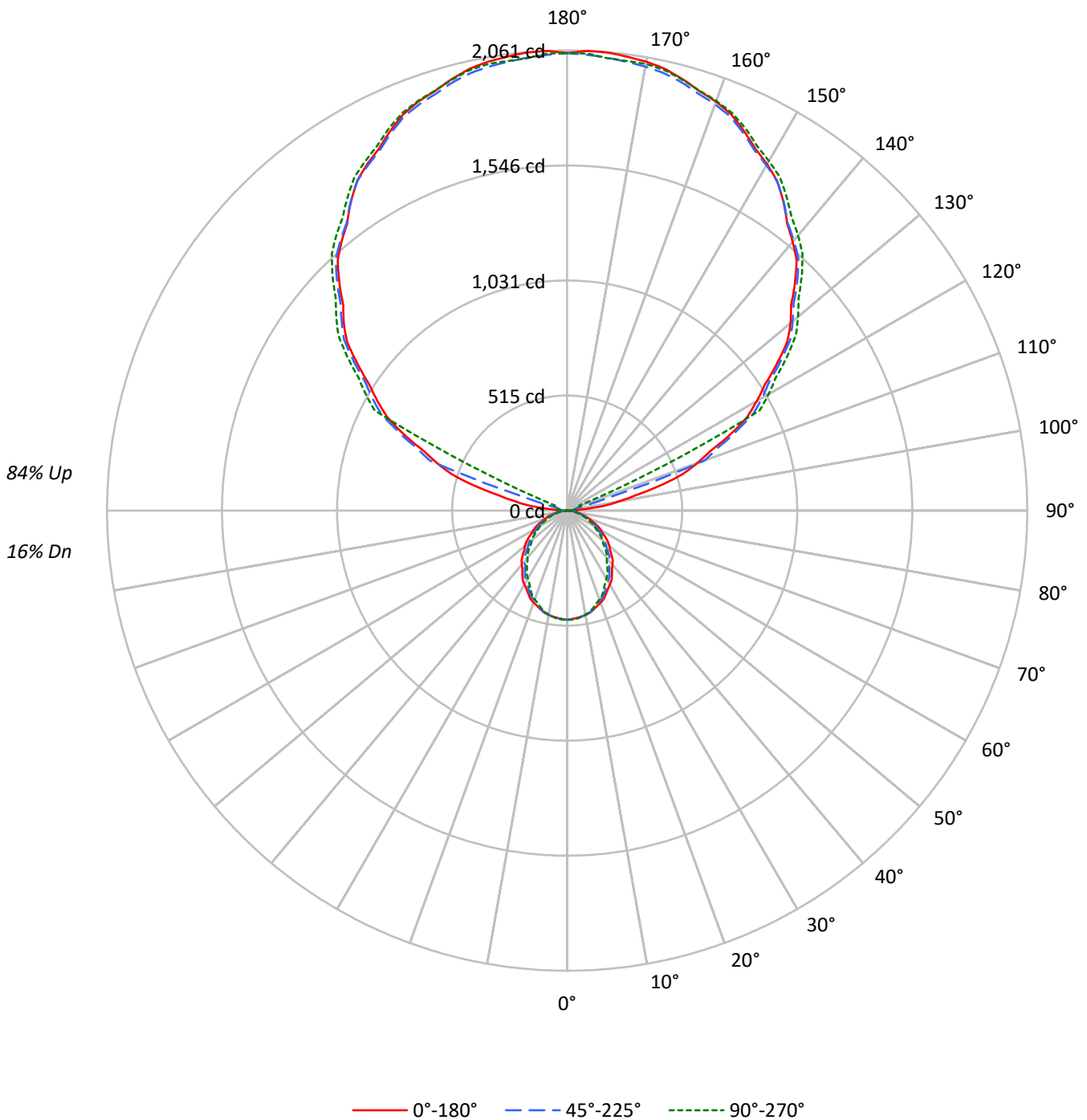
Lumens per Lamp: N/A  
Luminaire Lumens: 6982.9 lumens  
Efficiency: N/A  
Efficacy: 143.7 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 48.6  
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										
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	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°	8521	8521	8521
5°	8448	8460	8520
10°	8399	8380	8373
15°	8268	8213	8145
20°	8137	7957	7846
25°	7918	7695	7480
30°	7699	7359	7081
35°	7446	7017	6683
40°	7180	6694	6303
45°	6909	6357	5931
50°	6668	6029	5571
55°	6371	5688	5232
60°	6026	5361	4894
65°	5667	5003	4554
70°	5266	4599	4120
75°	4791	4159	3728
80°	4283	3641	3380
85°	3297	2998	2478

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6909 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.0	0.7
10°-20°	128.2	1.8
20°-30°	184.4	2.6
30°-40°	207.2	3.0
40°-50°	200.2	2.9
50°-60°	169.1	2.4
60°-70°	121.5	1.7
70°-80°	66.4	1.0
80°-90°	17.7	0.3
90°-100°	35.7	0.5
100°-110°	227.2	3.3
110°-120°	722.0	10.3
120°-130°	1047.8	15.0
130°-140°	1126.9	16.1
140°-150°	1061.0	15.2
150°-160°	864.3	12.4
160°-170°	562.6	8.1
170°-180°	194.5	2.8
0°-30°	358.6	5.1
0°-40°	565.9	8.1
0°-60°	935.2	13.4
0°-90°	1140.8	16.3
90°-120°	985.0	14.1
90°-150°	4220.6	60.4
90°-180°	5842.0	83.7
0°-180°	6982.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	489	489	489	489	489	
5°	483	490	484	484	487	46
15°	458	462	456	451	452	129
25°	412	412	400	391	389	190
35°	350	346	330	317	314	219
45°	280	275	258	244	241	217
55°	210	202	187	176	172	188
65°	138	132	121	113	110	136
75°	71	67	62	57	55	76
85°	16	15	15	13	12	20
90°	0	0	0	2	2	4
95°	82	24	25	16	15	103
105°	427	443	44	52	55	449
115°	807	825	833	842	483	794
125°	1147	1167	1167	1187	1203	1025
135°	1443	1460	1458	1467	1486	1113
145°	1689	1702	1690	1692	1714	1056
155°	1876	1887	1867	1863	1889	865
165°	2000	2006	1985	1977	1997	565
175°	2059	2064	2037	2024	2034	196
180°	2049	2049	2049	2049	2049	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	489.2	489.2	489.2	489.2	489.2
2.5°	485.9	491.7	487.4	488.0	488.9
5°	483.2	489.8	483.9	484.0	487.3
7.5°	479.7	486.0	478.6	477.3	480.3
10°	474.9	481.2	473.8	471.3	473.4
12.5°	468.7	474.6	467.5	463.5	465.4
15°	458.5	462.5	455.5	451.0	451.7
17.5°	447.4	449.9	439.7	436.0	435.2
20°	439.0	441.2	429.3	424.0	423.3
22.5°	428.2	430.1	417.6	411.1	410.1
25°	412.0	412.4	400.4	391.4	389.2
27.5°	395.1	393.9	380.6	369.9	367.1
30°	382.8	381.3	365.9	354.7	352.1
32.5°	369.6	367.0	351.6	339.4	336.8
35°	350.2	346.2	330.0	317.2	314.3
37.5°	329.5	325.0	309.1	295.2	291.9
40°	315.8	310.6	294.4	280.5	277.2
42.5°	302.0	296.3	279.7	265.8	262.2
45°	280.5	274.7	258.1	244.5	240.8
47.5°	260.2	252.7	236.6	223.1	219.4
50°	246.1	238.0	222.5	209.3	205.6
52.5°	231.7	223.4	208.4	195.8	192.2
55°	209.8	202.1	187.3	175.6	172.3
57.5°	188.0	180.6	167.1	156.0	152.7
60°	173.0	166.8	153.9	143.4	140.5
62.5°	158.7	153.0	140.8	131.1	128.2
65°	137.5	132.3	121.4	112.7	110.5
67.5°	116.9	111.7	102.9	95.1	92.6
70°	103.4	98.3	90.3	83.1	80.9
72.5°	90.5	85.1	78.6	72.0	70.4
75°	71.2	66.8	61.8	56.9	55.4
77.5°	54.1	49.8	46.2	42.8	42.4
80°	42.7	39.0	36.3	34.1	33.7
82.5°	31.9	29.1	27.3	25.7	25.6
85°	16.5	15.4	15.0	13.1	12.4
87.5°	4.8	4.8	4.2	3.9	3.9
90°	0.0	0.0	0.0	1.5	1.5
92.5°	22.5	8.6	5.9	8.6	8.6
95°	81.5	23.5	25.2	16.3	14.8
97.5°	169.2	37.9	36.4	40.0	41.5
100°	235.6	77.7	40.0	46.0	47.4
102.5°	309.0	292.5	41.2	49.5	52.1
105°	426.7	442.6	44.4	51.9	54.8
107.5°	542.2	558.1	206.8	53.7	56.6
110°	619.2	635.2	654.8	54.9	57.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	691.5	711.0	725.9	122.1	60.1
115°	807.4	824.8	832.6	842.2	483.0
117.5°	909.6	931.1	939.8	956.5	972.7
120°	980.7	1001.0	1007.4	1024.1	1041.5
122.5°	1050.6	1068.6	1072.6	1091.6	1107.8
125°	1146.6	1166.9	1167.4	1187.0	1202.9
127.5°	1242.6	1260.0	1259.2	1273.9	1291.5
130°	1306.6	1318.2	1318.5	1330.8	1349.6
132.5°	1360.0	1376.2	1376.6	1386.5	1405.3
135°	1442.9	1460.3	1457.8	1467.1	1485.9
137.5°	1520.9	1537.7	1533.0	1540.9	1560.3
140°	1571.8	1586.3	1579.2	1587.1	1608.9
142.5°	1619.2	1633.7	1623.1	1629.8	1652.7
145°	1688.9	1701.9	1690.3	1692.3	1714.0
147.5°	1750.8	1763.5	1749.6	1751.5	1771.8
150°	1791.1	1802.7	1785.2	1787.1	1807.4
152.5°	1826.6	1837.1	1818.3	1818.0	1841.7
155°	1875.5	1887.1	1866.6	1862.8	1888.9
157.5°	1920.0	1930.7	1910.2	1907.4	1927.7
160°	1949.6	1956.8	1936.3	1932.3	1952.6
162.5°	1969.7	1978.1	1957.6	1951.2	1971.5
165°	2000.0	2005.8	1985.2	1976.7	1997.0
167.5°	2026.0	2032.7	2006.2	1998.7	2020.4
170°	2041.4	2045.8	2019.2	2009.3	2031.1
172.5°	2050.9	2054.1	2027.5	2016.3	2031.1
175°	2059.2	2063.6	2037.0	2023.9	2034.0
177.5°	2060.7	2063.0	2042.9	2031.5	2048.9
180°	2048.9	2048.9	2048.9	2048.9	2048.9

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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	9.84	10.46	11.04	11.64	13.32	8.74	9.36	9.95	10.54	12.23
	3H	11.47	12.02	12.68	13.21	14.91	10.25	10.81	11.46	11.99	13.69
	4H	12.09	12.61	13.30	13.80	15.50	10.81	11.34	12.03	12.53	14.23
	6H	12.48	12.96	13.70	14.15	15.86	11.17	11.66	12.39	12.84	14.56
	8H	12.62	13.08	13.84	14.28	15.98	11.31	11.77	12.53	12.97	14.67
	12H	12.68	13.12	13.91	14.32	16.04	11.36	11.80	12.59	12.99	14.72
4H	2H	10.22	10.75	11.44	11.93	13.63	9.35	9.88	10.57	11.06	12.76
	3H	12.07	12.51	13.30	13.72	15.43	11.06	11.50	12.29	12.71	14.42
	4H	12.81	13.21	14.03	14.41	16.14	11.72	12.13	12.95	13.33	15.06
	6H	13.31	13.66	14.54	14.88	16.59	12.19	12.53	13.41	13.75	15.47
	8H	13.51	13.83	14.74	15.04	16.78	12.37	12.69	13.60	13.90	15.64
	12H	13.60	13.90	14.85	15.12	16.86	12.45	12.74	13.69	13.96	15.70
8H	4H	12.94	13.27	14.17	14.48	16.21	11.98	12.30	13.21	13.51	15.25
	6H	13.57	13.84	14.82	15.09	16.82	12.57	12.84	13.82	14.09	15.82
	8H	13.86	14.09	15.11	15.32	17.07	12.85	13.08	14.09	14.31	16.06
	12H	14.02	14.23	15.28	15.46	17.23	12.98	13.19	14.24	14.41	16.19
12H	4H	12.91	13.20	14.15	14.43	16.16	11.97	12.26	13.21	13.48	15.22
	6H	13.60	13.83	14.85	15.06	16.81	12.63	12.86	13.88	14.09	15.84
	8H	13.91	14.11	15.16	15.34	17.11	12.93	13.13	14.18	14.36	16.14