

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: P1438795

Luminaire Tested: CB2-125U-030D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438795
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-835-1D-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

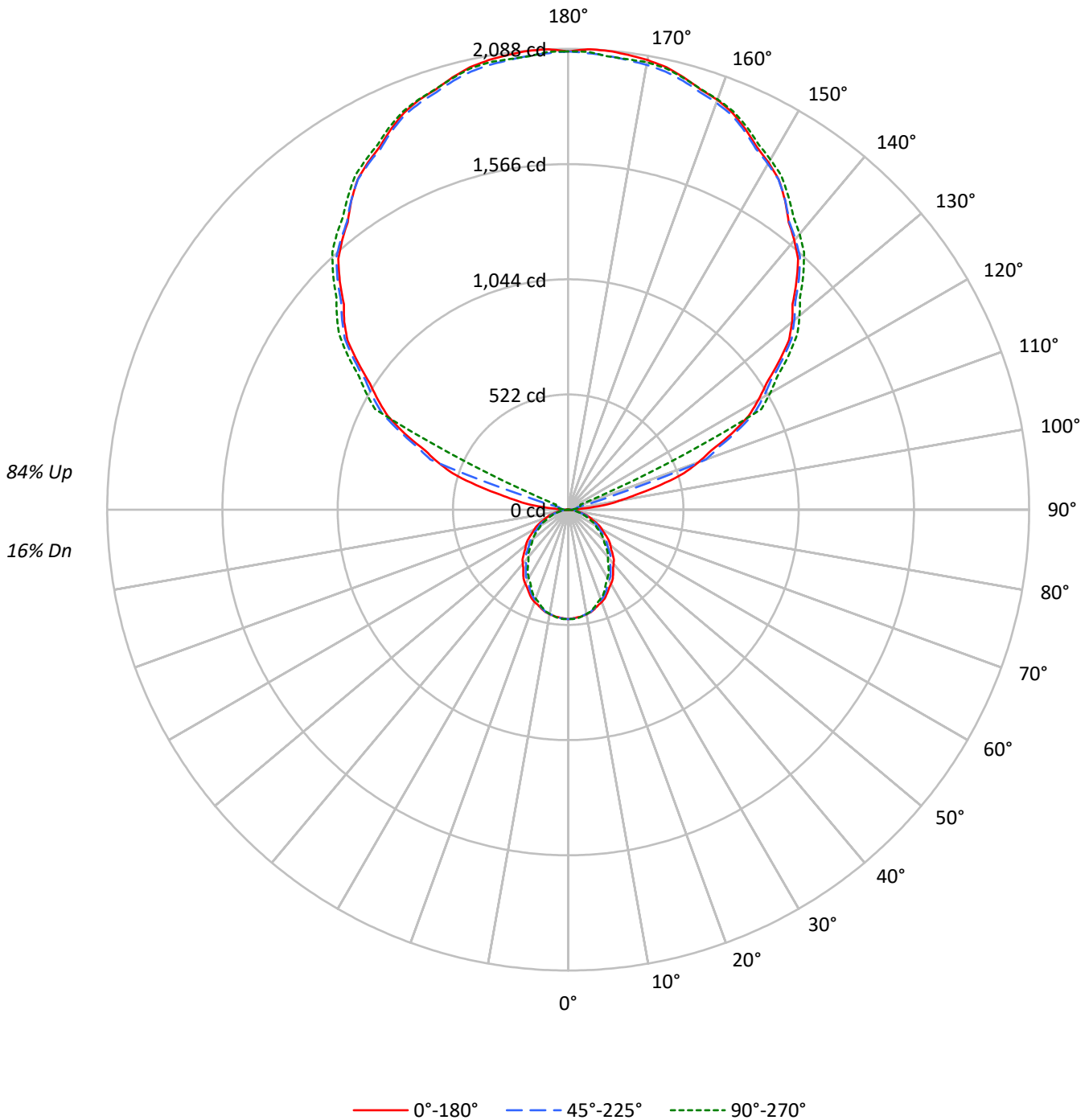
Lumens per Lamp: N/A
Luminaire Lumens: 7077.2 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (A_{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									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°	8636	8636	8636
5°	8562	8576	8635
10°	8514	8493	8486
15°	8379	8323	8255
20°	8246	8065	7952
25°	8025	7799	7580
30°	7803	7459	7176
35°	7546	7110	6772
40°	7276	6785	6387
45°	7003	6444	6013
50°	6758	6110	5647
55°	6456	5764	5302
60°	6110	5434	4960
65°	5741	5069	4616
70°	5337	4660	4176
75°	4852	4213	3782
80°	4343	3691	3430
85°	3337	3038	2498

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7003 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	0.7
10°-20°	130.0	1.8
20°-30°	186.9	2.6
30°-40°	210.0	3.0
40°-50°	202.9	2.9
50°-60°	171.4	2.4
60°-70°	123.1	1.7
70°-80°	67.3	1.0
80°-90°	18.0	0.3
90°-100°	36.2	0.5
100°-110°	230.3	3.3
110°-120°	731.8	10.3
120°-130°	1062.0	15.0
130°-140°	1142.1	16.1
140°-150°	1075.3	15.2
150°-160°	876.0	12.4
160°-170°	570.2	8.1
170°-180°	197.1	2.8
0°-30°	363.5	5.1
0°-40°	573.5	8.1
0°-60°	947.8	13.4
0°-90°	1156.2	16.3
90°-120°	998.3	14.1
90°-150°	4277.7	60.4
90°-180°	5921.0	83.7
0°-180°	7077.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	496	496	496	496	496	
5°	490	496	490	491	494	46
15°	465	469	462	457	458	131
25°	418	418	406	397	394	192
35°	355	351	334	322	318	222
45°	284	278	262	248	244	220
55°	213	205	190	178	175	190
65°	139	134	123	114	112	138
75°	72	68	63	58	56	77
85°	17	16	15	13	12	20
90°	0	0	0	2	2	4
95°	83	24	26	16	15	105
105°	432	449	45	53	56	455
115°	818	836	844	854	490	804
125°	1162	1183	1183	1203	1219	1039
135°	1462	1480	1477	1487	1506	1128
145°	1712	1725	1713	1715	1737	1070
155°	1901	1913	1892	1888	1914	876
165°	2027	2033	2012	2003	2024	573
175°	2087	2092	2064	2051	2062	199
180°	2076	2076	2076	2076	2076	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	495.8	495.8	495.8	495.8	495.8
2.5°	492.4	498.4	494.0	494.6	495.5
5°	489.7	496.4	490.5	490.6	493.9
7.5°	486.2	492.5	485.1	483.7	486.8
10°	481.4	487.7	480.2	477.6	479.8
12.5°	475.0	481.0	473.8	469.7	471.6
15°	464.7	468.7	461.6	457.1	457.8
17.5°	453.4	455.9	445.7	441.9	441.1
20°	444.9	447.1	435.1	429.7	429.0
22.5°	434.0	435.9	423.2	416.7	415.6
25°	417.6	418.0	405.8	396.7	394.4
27.5°	400.4	399.2	385.8	374.9	372.0
30°	388.0	386.5	370.9	359.4	356.8
32.5°	374.6	371.9	356.3	344.0	341.4
35°	354.9	350.9	334.4	321.5	318.5
37.5°	334.0	329.4	313.3	299.1	295.8
40°	320.0	314.8	298.4	284.3	280.9
42.5°	306.1	300.3	283.5	269.4	265.7
45°	284.3	278.4	261.6	247.8	244.1
47.5°	263.7	256.1	239.8	226.1	222.4
50°	249.4	241.2	225.5	212.1	208.4
52.5°	234.8	226.4	211.2	198.5	194.7
55°	212.6	204.8	189.8	178.0	174.6
57.5°	190.6	183.1	169.4	158.1	154.8
60°	175.4	169.1	156.0	145.3	142.4
62.5°	160.8	155.1	142.7	132.9	129.9
65°	139.3	134.1	123.0	114.2	112.0
67.5°	118.4	113.2	104.2	96.4	93.8
70°	104.8	99.6	91.5	84.2	82.0
72.5°	91.7	86.2	79.6	73.0	71.4
75°	72.1	67.7	62.6	57.7	56.2
77.5°	54.8	50.5	46.8	43.3	43.0
80°	43.3	39.6	36.8	34.5	34.2
82.5°	32.3	29.5	27.7	26.0	26.0
85°	16.7	15.6	15.2	13.3	12.5
87.5°	4.9	4.9	4.3	3.9	3.9
90°	0.0	0.0	0.0	1.5	1.5
92.5°	22.8	8.7	6.0	8.7	8.7
95°	82.6	23.9	25.5	16.5	15.0
97.5°	171.5	38.5	36.9	40.6	42.0
100°	238.7	78.7	40.5	46.6	48.0
102.5°	313.2	296.5	41.7	50.2	52.9
105°	432.4	448.6	45.0	52.6	55.6
107.5°	549.5	565.7	209.6	54.4	57.4
110°	627.6	643.8	663.7	55.6	58.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	700.9	720.6	735.7	123.8	61.0
115°	818.3	835.9	843.8	853.6	489.5
117.5°	921.9	943.6	952.5	969.4	985.9
120°	994.0	1014.5	1021.0	1037.9	1055.5
122.5°	1064.8	1083.0	1087.1	1106.4	1122.8
125°	1162.1	1182.7	1183.2	1203.0	1219.2
127.5°	1259.4	1277.1	1276.3	1291.1	1309.0
130°	1324.3	1336.0	1336.3	1348.8	1367.8
132.5°	1378.4	1394.8	1395.2	1405.2	1424.3
135°	1462.4	1480.1	1477.4	1486.9	1506.0
137.5°	1541.4	1558.4	1553.7	1561.7	1581.4
140°	1593.1	1607.7	1600.6	1608.6	1630.6
142.5°	1641.1	1655.8	1645.0	1651.8	1675.0
145°	1711.7	1724.9	1713.2	1715.2	1737.2
147.5°	1774.4	1787.4	1773.2	1775.2	1795.8
150°	1815.3	1827.0	1809.3	1811.2	1831.8
152.5°	1851.3	1861.9	1842.9	1842.6	1866.6
155°	1900.9	1912.6	1891.9	1888.0	1914.4
157.5°	1945.9	1956.8	1936.0	1933.2	1953.7
160°	1975.9	1983.3	1962.4	1958.4	1978.9
162.5°	1996.4	2004.9	1984.0	1977.6	1998.2
165°	2027.0	2032.9	2012.0	2003.4	2024.0
167.5°	2053.4	2060.2	2033.3	2025.7	2047.7
170°	2069.0	2073.4	2046.5	2036.5	2058.5
172.5°	2078.6	2081.9	2054.9	2043.5	2058.5
175°	2087.0	2091.5	2064.5	2051.2	2061.5
177.5°	2088.5	2090.9	2070.5	2058.9	2076.5
180°	2076.5	2076.5	2076.5	2076.5	2076.5



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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	9.89	10.51	11.09	11.69	13.37	8.79	9.41	9.99	10.59	12.27
	3H	11.52	12.07	12.72	13.26	14.95	10.30	10.85	11.51	12.04	13.74
	4H	12.13	12.66	13.35	13.85	15.55	10.86	11.39	12.08	12.57	14.27
	6H	12.52	13.01	13.74	14.19	15.91	11.22	11.70	12.44	12.89	14.60
	8H	12.66	13.12	13.89	14.33	16.03	11.35	11.81	12.58	13.02	14.72
	12H	12.73	13.17	13.96	14.36	16.08	11.41	11.84	12.63	13.04	14.76
4H	2H	10.27	10.80	11.49	11.98	13.68	9.39	9.92	10.62	11.11	12.81
	3H	12.12	12.56	13.34	13.77	15.48	11.11	11.55	12.33	12.76	14.47
	4H	12.85	13.26	14.08	14.45	16.18	11.77	12.18	13.00	13.37	15.10
	6H	13.36	13.70	14.59	14.92	16.64	12.23	12.58	13.46	13.80	15.51
	8H	13.56	13.88	14.78	15.09	16.82	12.42	12.74	13.64	13.95	15.68
	12H	13.65	13.94	14.89	15.17	16.90	12.49	12.79	13.73	14.01	15.75
8H	4H	12.99	13.31	14.22	14.52	16.26	12.02	12.35	13.25	13.56	15.29
	6H	13.62	13.89	14.87	15.14	16.87	12.62	12.88	13.86	14.14	15.87
	8H	13.91	14.14	15.16	15.37	17.12	12.89	13.12	14.14	14.35	16.10
	12H	14.07	14.27	15.32	15.50	17.28	13.03	13.23	14.28	14.46	16.24
12H	4H	12.96	13.25	14.20	14.47	16.21	12.02	12.31	13.26	13.53	15.27
	6H	13.65	13.88	14.90	15.11	16.86	12.68	12.91	13.93	14.14	15.89
	8H	13.95	14.15	15.21	15.38	17.16	12.97	13.18	14.23	14.40	16.18