

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: P1439099

Luminaire Tested: CB2-D-125U-120D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439099
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-120D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

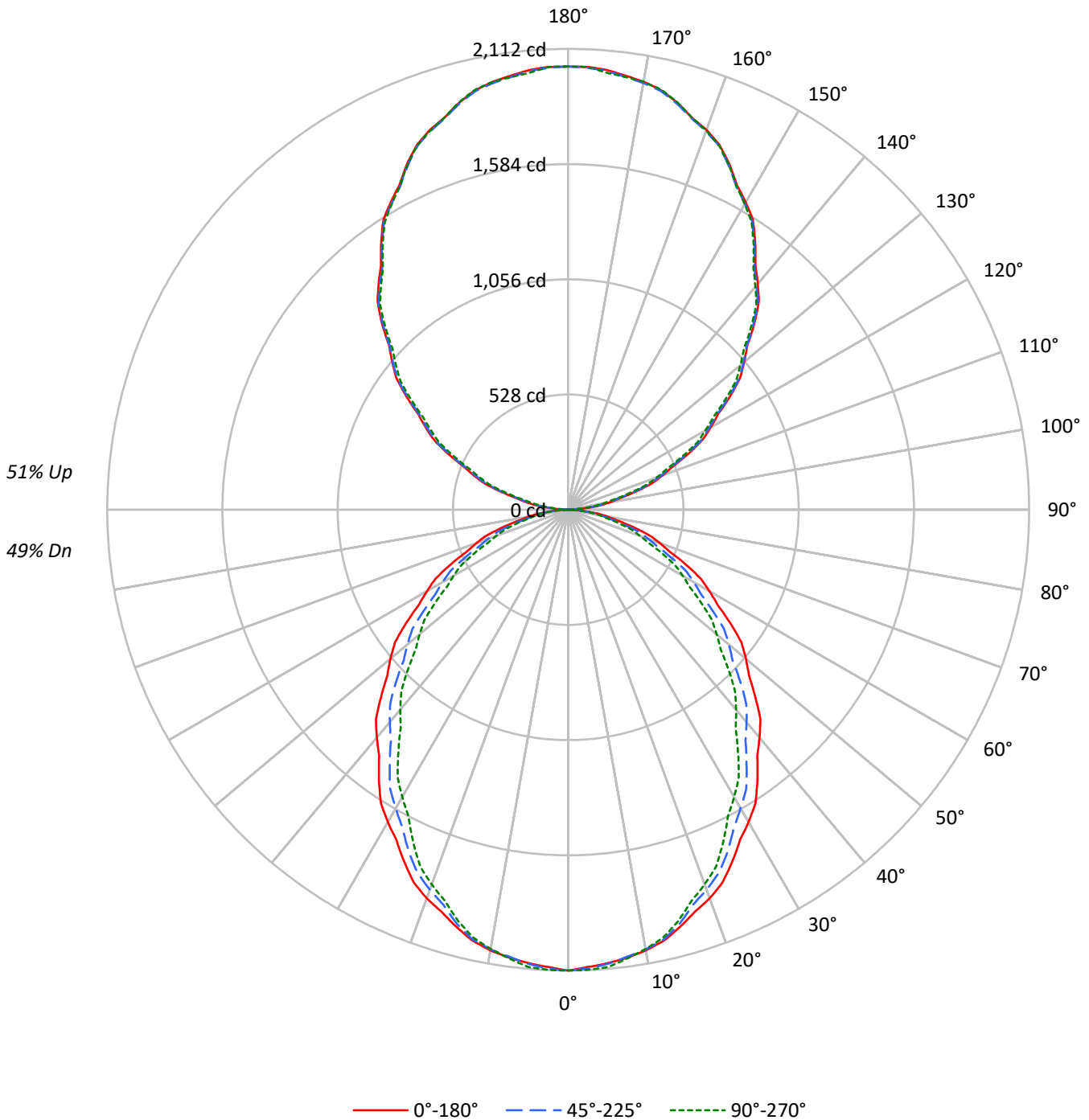
Lumens per Lamp: N/A
Luminaire Lumens: 10105.2 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.3
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									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	50	30	10	50	30	10	0																
RCR																																														
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49																												
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	41																												
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35																												
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30																												
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29	26																												
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22																												
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20																												
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18																												
8	54	42	34	29	50	39	32	28	34	28	24	29	24	21	24	21	18	16																												
9	51	38	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14																												
10	47	35	28	23	44	33	26	22	29	23	20	24	20	17	20	17	15	13																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36787	36787	36787
5°	36475	36531	36786
10°	36267	36182	36152
15°	35694	35459	35167
20°	35132	34351	33871
25°	34187	33224	32292
30°	33241	31777	30574
35°	32151	30295	28849
40°	30997	28901	27209
45°	29837	27447	25615
50°	28790	26029	24056
55°	27500	24554	22589
60°	26025	23155	21127
65°	24460	21596	19663
70°	22728	19845	17788
75°	20680	17954	16104
80°	18496	15737	14594
85°	14229	12930	10672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29837 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.6	2.0
10°-20°	553.7	5.5
20°-30°	796.1	7.9
30°-40°	894.8	8.9
40°-50°	864.3	8.6
50°-60°	730.3	7.2
60°-70°	524.6	5.2
70°-80°	286.7	2.8
80°-90°	76.3	0.8
90°-100°	78.5	0.8
100°-110°	323.6	3.2
110°-120°	587.5	5.8
120°-130°	799.4	7.9
130°-140°	922.8	9.1
140°-150°	929.9	9.2
150°-160°	802.5	7.9
160°-170°	543.9	5.4
170°-180°	191.9	1.9
0°-30°	1548.3	15.3
0°-40°	2443.1	24.2
0°-60°	4037.7	40.0
0°-90°	4925.2	48.7
90°-120°	989.5	9.8
90°-150°	3641.7	36.0
90°-180°	5180.0	51.3
0°-180°	10105.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2112	2112	2112	2112	2112	
5°	2086	2115	2089	2090	2104	198
15°	1980	1997	1966	1947	1950	558
25°	1779	1780	1729	1690	1680	819
35°	1512	1495	1425	1370	1357	945
45°	1211	1186	1114	1056	1040	936
55°	906	872	809	758	744	810
65°	594	571	524	487	477	589
75°	307	288	267	246	239	329
85°	71	66	65	56	53	85
90°	0	0	2	0	2	5
95°	76	67	63	49	49	88
105°	320	315	307	290	287	340
115°	608	607	596	578	577	600
125°	905	914	895	876	878	808
135°	1206	1220	1199	1177	1185	928
145°	1494	1511	1488	1470	1481	933
155°	1748	1765	1740	1729	1743	804
165°	1931	1951	1926	1916	1933	544
175°	2023	2045	2018	2006	2010	192
180°	2031	2031	2031	2031	2031	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2112.1	2112.1	2112.1	2112.1	2112.1
2.5°	2097.8	2123.1	2104.3	2107.0	2110.8
5°	2086.2	2114.7	2089.4	2089.7	2104.0
7.5°	2071.3	2098.2	2066.5	2060.6	2073.9
10°	2050.6	2077.5	2045.8	2034.7	2044.1
12.5°	2023.4	2049.1	2018.6	2001.0	2009.2
15°	1979.5	1996.8	1966.5	1947.2	1950.3
17.5°	1931.6	1942.3	1898.6	1882.4	1879.2
20°	1895.4	1904.8	1853.3	1830.6	1827.4
22.5°	1848.8	1857.0	1802.9	1774.9	1770.5
25°	1778.9	1780.5	1728.8	1689.8	1680.3
27.5°	1705.8	1700.8	1643.4	1597.2	1584.9
30°	1652.8	1646.5	1580.0	1531.2	1520.2
32.5°	1595.9	1584.5	1517.9	1465.3	1454.2
35°	1512.1	1494.7	1424.8	1369.5	1356.8
37.5°	1422.8	1403.2	1334.5	1274.4	1260.1
40°	1363.3	1341.2	1271.1	1211.0	1196.7
42.5°	1303.8	1279.1	1207.7	1147.5	1132.0
45°	1211.3	1186.0	1114.3	1055.7	1039.9
47.5°	1123.3	1091.1	1021.4	963.2	947.4
50°	1062.5	1027.7	960.6	903.7	887.8
52.5°	1000.4	964.3	899.8	845.4	829.6
55°	905.6	872.4	808.6	758.1	743.9
57.5°	811.8	779.9	721.6	673.4	659.5
60°	747.1	720.3	664.7	619.1	606.5
62.5°	685.0	660.7	607.7	566.1	553.4
65°	593.5	571.4	524.0	486.6	477.1
67.5°	504.6	482.4	444.1	410.5	399.8
70°	446.3	424.2	389.7	358.8	349.3
72.5°	390.7	367.3	339.3	311.0	304.0
75°	307.3	288.3	266.8	245.7	239.3
77.5°	233.5	215.2	199.6	184.6	183.1
80°	184.4	168.5	156.9	147.1	145.5
82.5°	137.8	125.8	118.1	110.9	110.6
85°	71.2	66.4	64.7	56.5	53.4
87.5°	20.7	20.7	18.4	15.5	15.8
90°	0.0	0.0	1.6	0.0	1.6
92.5°	19.0	16.5	15.5	10.2	11.7
95°	76.0	66.8	63.4	49.1	49.1
97.5°	143.5	134.2	129.3	114.6	111.5
100°	191.7	182.4	177.4	161.5	158.4
102.5°	241.1	236.8	228.1	211.0	207.9
105°	320.0	315.4	307.4	289.9	286.8
107.5°	401.2	402.1	390.1	375.7	371.4
110°	459.5	457.9	448.4	434.0	430.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	519.0	516.2	506.7	492.3	489.2
115°	608.4	606.8	595.7	578.2	576.7
117.5°	693.3	698.3	685.1	666.7	666.1
120°	754.1	760.3	744.6	728.7	725.6
122.5°	813.7	821.1	805.5	787.1	787.7
125°	904.7	913.9	895.1	876.2	877.7
127.5°	992.4	1003.9	986.4	967.1	969.0
130°	1052.0	1065.9	1047.2	1026.7	1029.8
132.5°	1112.8	1126.8	1108.1	1086.3	1091.9
135°	1205.7	1219.6	1199.3	1177.3	1185.1
137.5°	1293.1	1307.1	1284.9	1266.4	1275.7
140°	1351.4	1365.4	1341.9	1324.7	1334.0
142.5°	1408.5	1424.9	1400.2	1381.8	1393.6
145°	1494.0	1511.1	1487.7	1470.5	1481.3
147.5°	1575.1	1592.2	1568.5	1551.9	1563.1
150°	1627.1	1644.1	1619.2	1605.2	1617.6
152.5°	1675.3	1694.8	1668.6	1654.7	1670.8
155°	1747.5	1764.6	1739.6	1728.8	1742.8
157.5°	1810.3	1830.1	1805.2	1795.9	1807.1
160°	1852.1	1870.7	1845.7	1836.5	1848.9
162.5°	1883.8	1903.6	1880.0	1869.5	1884.4
165°	1931.3	1951.4	1926.5	1915.8	1932.9
167.5°	1968.7	1990.1	1964.9	1953.9	1971.2
170°	1991.5	2011.6	1985.2	1972.9	1991.5
172.5°	2006.7	2028.1	2000.4	1988.0	2000.4
175°	2023.2	2044.9	2018.4	2005.9	2010.5
177.5°	2031.1	2048.5	2027.3	2016.2	2031.1
180°	2031.1	2031.1	2031.1	2031.1	2031.1



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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	19.41	20.25	20.38	21.23	22.52	18.31	19.15	19.28	20.13	21.42
	3H	21.05	21.80	22.03	22.79	24.11	19.83	20.59	20.82	21.58	22.89
	4H	21.68	22.39	22.67	23.39	24.71	20.41	21.12	21.40	22.11	23.43
	6H	22.08	22.74	23.09	23.74	25.07	20.78	21.43	21.78	22.43	23.77
	8H	22.23	22.85	23.24	23.87	25.20	20.92	21.54	21.93	22.56	23.89
	12H	22.30	22.89	23.32	23.90	25.26	20.98	21.57	21.99	22.58	23.94
4H	2H	19.81	20.53	20.82	21.52	22.84	18.94	19.65	19.94	20.65	21.97
	3H	21.68	22.27	22.69	23.30	24.63	20.67	21.27	21.68	22.29	23.62
	4H	22.43	22.97	23.44	23.99	25.34	21.35	21.89	22.36	22.91	24.26
	6H	22.95	23.41	23.97	24.45	25.81	21.82	22.29	22.85	23.33	24.68
	8H	23.15	23.59	24.18	24.62	25.99	22.01	22.44	23.04	23.48	24.85
	12H	23.25	23.65	24.30	24.70	26.07	22.10	22.49	23.14	23.54	24.91
8H	4H	22.58	23.02	23.61	24.05	25.42	21.62	22.05	22.65	23.09	24.46
	6H	23.22	23.58	24.28	24.66	26.02	22.22	22.58	23.27	23.66	25.02
	8H	23.51	23.83	24.57	24.89	26.27	22.50	22.81	23.56	23.87	25.26
	12H	23.69	23.96	24.75	25.02	26.45	22.64	22.92	23.71	23.98	25.41
12H	4H	22.56	22.95	23.61	24.00	25.38	21.62	22.01	22.67	23.06	24.44
	6H	23.25	23.57	24.31	24.63	26.01	22.28	22.60	23.34	23.66	25.05
	8H	23.57	23.85	24.63	24.90	26.33	22.59	22.87	23.65	23.92	25.35