

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: P1438843

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438843
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-120D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

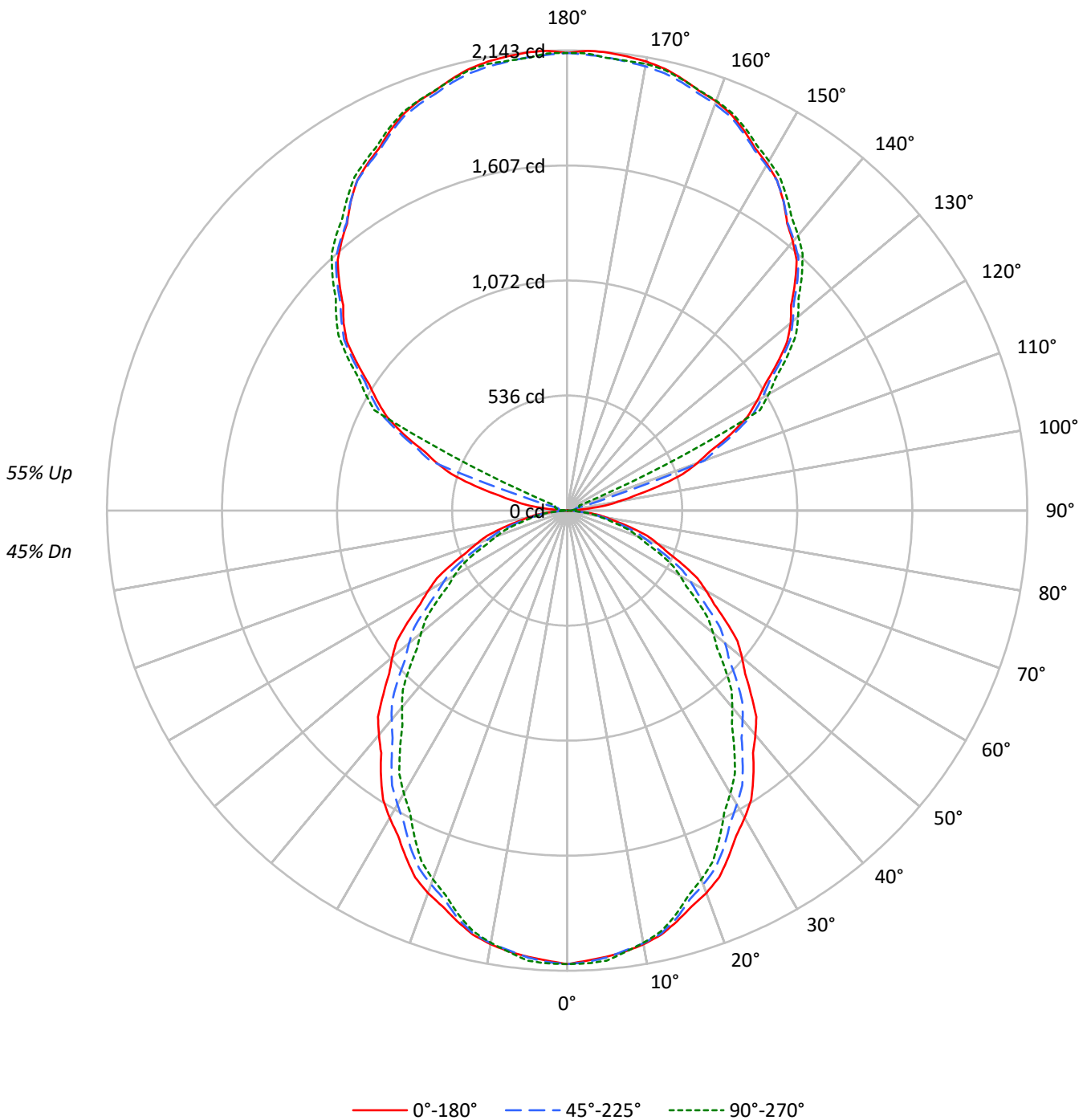
Lumens per Lamp: N/A
Luminaire Lumens: 11001.7 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

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

TEST NUMBER: P1438843

CATALOG NUMBER: CB2-125U-120D-930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					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	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45				
1	97	93	89	85	89	85	82	79	71	68	66	58	56	55	46	45	44	38				
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	39	37	32				
3	81	71	64	58	74	66	59	54	55	50	47	45	42	39	36	34	32	27				
4	74	63	55	50	67	58	51	46	49	44	40	40	37	34	32	30	27	24				
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	21				
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	26	23	21	18				
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16				
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	15	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

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



TEST NUMBER: P1438843

CATALOG NUMBER: CB2-125U-120D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.6	1.8
10°-20°	553.7	5.0
20°-30°	796.1	7.2
30°-40°	894.8	8.1
40°-50°	864.3	7.9
50°-60°	730.3	6.6
60°-70°	524.6	4.8
70°-80°	286.7	2.6
80°-90°	76.2	0.7
90°-100°	37.1	0.3
100°-110°	236.4	2.1
110°-120°	751.0	6.8
120°-130°	1089.8	9.9
130°-140°	1172.1	10.7
140°-150°	1103.6	10.0
150°-160°	899.0	8.2
160°-170°	585.2	5.3
170°-180°	202.3	1.8
0°-30°	1548.3	14.1
0°-40°	2443.1	22.2
0°-60°	4037.7	36.7
0°-90°	4925.2	44.8
90°-120°	1024.5	9.3
90°-150°	4390.0	39.9
90°-180°	6076.0	55.2
0°-180°	11001.7	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	0	2	2	6
95°	85	24	26	17	15	107
105°	444	460	46	54	57	467
115°	840	858	866	876	502	826
125°	1193	1214	1214	1235	1251	1066
135°	1501	1519	1516	1526	1546	1157
145°	1757	1770	1758	1760	1783	1098
155°	1951	1963	1942	1938	1965	899
165°	2080	2086	2065	2056	2077	588
175°	2142	2146	2119	2105	2116	204
180°	2131	2131	2131	2131	2131	

TEST NUMBER: P1438843

CATALOG NUMBER: CB2-125U-120D-930-1D-UNV-STD-W-4

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	18.1	15.8	15.8
90°	0.0	0.0	0.0	1.5	1.5
92.5°	23.4	9.0	6.2	8.9	8.9
95°	84.7	24.5	26.2	16.9	15.4
97.5°	176.0	39.5	37.9	41.6	43.1
100°	245.0	80.8	41.6	47.8	49.3
102.5°	321.4	304.3	42.8	51.5	54.2
105°	443.8	460.4	46.2	54.0	57.0
107.5°	564.0	580.5	215.1	55.8	58.9
110°	644.1	660.7	681.1	57.1	60.1



TEST NUMBER: P1438843

CATALOG NUMBER: CB2-125U-120D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	719.3	739.5	755.0	127.0	62.6
115°	839.8	857.9	866.0	876.0	502.3
117.5°	946.1	968.4	977.5	994.9	1011.8
120°	1020.1	1041.2	1047.8	1065.2	1083.3
122.5°	1092.8	1111.5	1115.6	1135.4	1152.3
125°	1192.7	1213.8	1214.2	1234.6	1251.2
127.5°	1292.5	1310.6	1309.8	1325.0	1343.4
130°	1359.1	1371.1	1371.4	1384.2	1403.8
132.5°	1414.6	1431.4	1431.8	1442.1	1461.7
135°	1500.8	1518.9	1516.3	1525.9	1545.5
137.5°	1581.9	1599.4	1594.5	1602.7	1622.9
140°	1634.9	1650.0	1642.6	1650.8	1673.4
142.5°	1684.2	1699.3	1688.2	1695.2	1719.0
145°	1756.6	1770.2	1758.2	1760.2	1782.8
147.5°	1821.0	1834.3	1819.8	1821.8	1842.9
150°	1863.0	1875.0	1856.8	1858.8	1879.9
152.5°	1899.9	1910.8	1891.3	1890.9	1915.7
155°	1950.8	1962.8	1941.5	1937.5	1964.7
157.5°	1997.0	2008.2	1986.8	1983.9	2005.0
160°	2027.8	2035.4	2014.0	2009.8	2030.9
162.5°	2048.8	2057.5	2036.2	2029.5	2050.6
165°	2080.2	2086.2	2064.8	2056.0	2077.1
167.5°	2107.3	2114.3	2086.7	2078.9	2101.5
170°	2123.4	2127.9	2100.3	2090.0	2112.6
172.5°	2133.2	2136.5	2108.9	2097.2	2112.6
175°	2141.9	2146.4	2118.7	2105.1	2115.7
177.5°	2143.4	2145.8	2124.9	2113.0	2131.1
180°	2131.1	2131.1	2131.1	2131.1	2131.1



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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	19.02	19.83	20.02	20.84	22.18	17.92	18.73	18.92	19.74	21.08
	3H	20.66	21.38	21.68	22.40	23.77	19.44	20.17	20.46	21.19	22.55
	4H	21.29	21.97	22.31	23.00	24.37	20.02	20.70	21.04	21.72	23.10
	6H	21.69	22.32	22.72	23.35	24.73	20.38	21.01	21.42	22.04	23.43
	8H	21.83	22.43	22.88	23.48	24.86	20.52	21.12	21.56	22.17	23.55
	12H	21.91	22.48	22.95	23.51	24.92	20.58	21.15	21.63	22.19	23.60
4H	2H	19.42	20.11	20.46	21.13	22.50	18.55	19.23	19.58	20.26	21.63
	3H	21.29	21.86	22.33	22.91	24.30	20.28	20.85	21.32	21.90	23.29
	4H	22.03	22.55	23.08	23.60	25.01	20.95	21.47	22.00	22.52	23.93
	6H	22.55	23.00	23.61	24.06	25.47	21.42	21.87	22.48	22.94	24.34
	8H	22.75	23.17	23.81	24.23	25.65	21.61	22.03	22.67	23.09	24.51
	12H	22.86	23.23	23.93	24.31	25.73	21.70	22.07	22.77	23.15	24.57
8H	4H	22.18	22.60	23.24	23.66	25.08	21.22	21.64	22.28	22.70	24.12
	6H	22.82	23.17	23.90	24.27	25.69	21.82	22.17	22.90	23.27	24.69
	8H	23.11	23.42	24.20	24.50	25.94	22.10	22.40	23.18	23.48	24.92
	12H	23.29	23.55	24.38	24.63	26.11	22.24	22.51	23.34	23.59	25.07
12H	4H	22.16	22.54	23.24	23.61	25.04	21.22	21.60	22.30	22.67	24.10
	6H	22.85	23.16	23.94	24.24	25.68	21.88	22.19	22.97	23.27	24.71
	8H	23.17	23.43	24.26	24.51	25.99	22.19	22.45	23.28	23.54	25.01