

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: P1438847

Luminaire Tested: CB2-125U-120D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438847  
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-940-1D-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: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

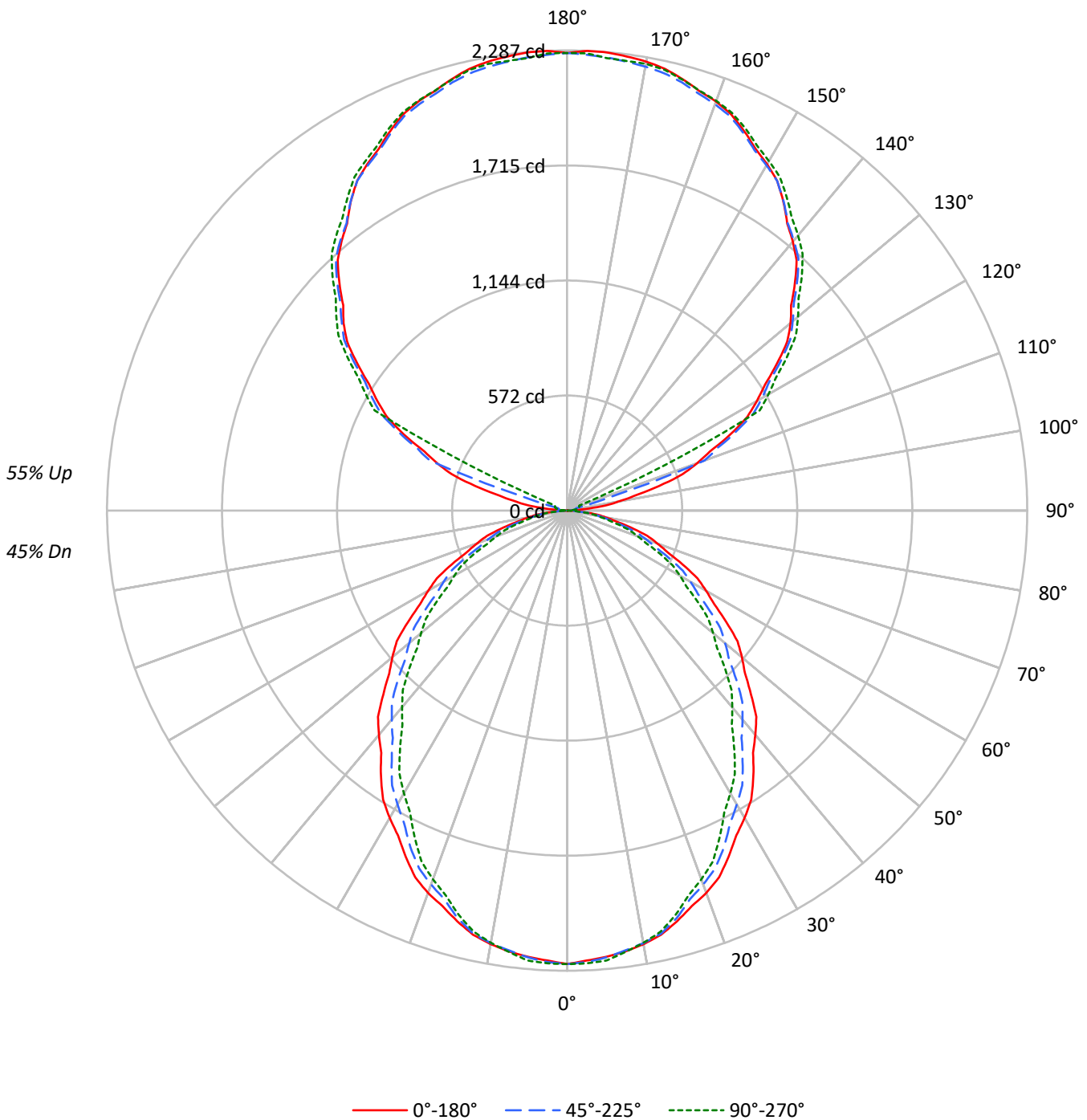
Lumens per Lamp: N/A  
Luminaire Lumens: 11739.2 lumens  
Efficiency: N/A  
Efficacy: 142.6 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
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

TEST NUMBER: P1438847

CATALOG NUMBER: CB2-125U-120D-940-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1438847

CATALOG NUMBER: CB2-125U-120D-940-1D-UNV-STD-W-4

**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°	39253	39253	39253
5°	38919	38980	39251
10°	38699	38607	38577
15°	38087	37836	37526
20°	37485	36655	36142
25°	36479	35451	34456
30°	35469	33907	32623
35°	34305	32326	30784
40°	33075	30838	29035
45°	31837	29285	27331
50°	30719	27774	25671
55°	29343	26200	24105
60°	27770	24705	22542
65°	26100	23042	20982
70°	24256	21180	18980
75°	22066	19159	17187
80°	19729	16791	15577
85°	15168	13789	11371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31837 cd/sqm



TEST NUMBER: P1438847

CATALOG NUMBER: CB2-125U-120D-940-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.9	1.8
10°-20°	590.8	5.0
20°-30°	849.4	7.2
30°-40°	954.7	8.1
40°-50°	922.3	7.9
50°-60°	779.3	6.6
60°-70°	559.7	4.8
70°-80°	305.9	2.6
80°-90°	81.4	0.7
90°-100°	39.6	0.3
100°-110°	252.2	2.1
110°-120°	801.4	6.8
120°-130°	1162.9	9.9
130°-140°	1250.7	10.7
140°-150°	1177.5	10.0
150°-160°	959.3	8.2
160°-170°	624.4	5.3
170°-180°	215.8	1.8
0°-30°	1652.1	14.1
0°-40°	2606.9	22.2
0°-60°	4308.4	36.7
0°-90°	5255.4	44.8
90°-120°	1093.2	9.3
90°-150°	4684.3	39.9
90°-180°	6484.0	55.2
0°-180°	11739.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2254	2254	2254	2254	2254	
5°	2226	2256	2230	2230	2245	211
15°	2112	2131	2098	2078	2081	595
25°	1898	1900	1845	1803	1793	874
35°	1613	1595	1520	1461	1448	1008
45°	1292	1266	1189	1126	1110	999
55°	966	931	863	809	794	864
65°	633	610	559	519	509	628
75°	328	308	285	262	255	351
85°	76	71	69	60	57	90
90°	0	0	0	2	2	6
95°	90	26	28	18	16	115
105°	474	491	49	58	61	499
115°	896	915	924	935	536	881
125°	1273	1295	1296	1317	1335	1138
135°	1602	1621	1618	1628	1649	1235
145°	1874	1889	1876	1878	1902	1172
155°	2082	2094	2072	2067	2096	960
165°	2220	2226	2203	2194	2216	627
175°	2285	2290	2261	2246	2258	217
180°	2274	2274	2274	2274	2274	

TEST NUMBER: P1438847

CATALOG NUMBER: CB2-125U-120D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2253.7	2253.7	2253.7	2253.7	2253.7
2.5°	2238.5	2265.5	2245.4	2248.2	2252.3
5°	2226.0	2256.4	2229.5	2229.8	2245.0
7.5°	2210.2	2238.8	2205.0	2198.8	2212.9
10°	2188.1	2216.8	2182.9	2171.1	2181.2
12.5°	2159.1	2186.4	2153.9	2135.1	2143.9
15°	2112.2	2130.7	2098.3	2077.7	2081.1
17.5°	2061.1	2072.5	2025.9	2008.5	2005.2
20°	2022.4	2032.5	1977.6	1953.3	1949.9
22.5°	1972.7	1981.5	1923.7	1893.9	1889.2
25°	1898.2	1899.9	1844.7	1803.0	1792.9
27.5°	1820.2	1814.8	1753.6	1704.3	1691.1
30°	1763.6	1756.8	1685.9	1633.9	1622.1
32.5°	1702.8	1690.7	1619.7	1563.5	1551.7
35°	1613.4	1594.9	1520.3	1461.3	1447.8
37.5°	1518.2	1497.3	1424.0	1359.8	1344.6
40°	1454.7	1431.1	1356.3	1292.1	1277.0
42.5°	1391.2	1364.9	1288.7	1224.5	1207.9
45°	1292.5	1265.5	1188.9	1126.4	1109.6
47.5°	1198.6	1164.2	1089.9	1027.7	1010.9
50°	1133.7	1096.6	1025.0	964.2	947.4
52.5°	1067.5	1029.0	960.1	902.1	885.2
55°	966.3	930.9	862.8	809.0	793.8
57.5°	866.3	832.2	770.0	718.6	703.7
60°	797.2	768.6	709.2	660.6	647.1
62.5°	731.0	705.0	648.5	604.0	590.5
65°	633.3	609.7	559.1	519.2	509.1
67.5°	538.4	514.8	473.9	438.0	426.6
70°	476.3	452.6	415.9	382.9	372.7
72.5°	416.9	391.9	362.0	331.8	324.4
75°	327.9	307.6	284.7	262.1	255.4
77.5°	249.2	229.6	212.9	197.0	195.3
80°	196.7	179.8	167.4	157.0	155.3
82.5°	147.0	134.2	126.0	118.4	118.0
85°	75.9	70.9	69.0	60.3	56.9
87.5°	22.1	22.1	19.3	16.9	16.9
90°	0.0	0.0	0.0	1.6	1.6
92.5°	25.0	9.6	6.6	9.5	9.5
95°	90.4	26.1	28.0	18.0	16.4
97.5°	187.8	42.1	40.4	44.4	46.0
100°	261.4	86.2	44.4	51.0	52.6
102.5°	343.0	324.7	45.7	55.0	57.9
105°	473.5	491.2	49.3	57.6	60.8
107.5°	601.8	619.5	229.5	59.6	62.8
110°	687.3	705.0	726.7	60.9	64.1

TEST NUMBER: P1438847

CATALOG NUMBER: CB2-125U-120D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	767.5	789.1	805.7	135.6	66.8
115°	896.1	915.4	924.0	934.7	536.0
117.5°	1009.5	1033.3	1043.1	1061.6	1079.6
120°	1088.5	1111.0	1118.1	1136.6	1155.9
122.5°	1166.1	1186.0	1190.4	1211.5	1229.5
125°	1272.6	1295.1	1295.6	1317.4	1335.1
127.5°	1379.2	1398.4	1397.6	1413.8	1433.4
130°	1450.2	1463.0	1463.3	1477.0	1497.9
132.5°	1509.4	1527.4	1527.8	1538.8	1559.7
135°	1601.5	1620.7	1617.9	1628.2	1649.1
137.5°	1687.9	1706.6	1701.4	1710.1	1731.7
140°	1744.5	1760.6	1752.7	1761.5	1785.6
142.5°	1797.1	1813.2	1801.4	1808.9	1834.3
145°	1874.4	1888.9	1876.0	1878.2	1902.3
147.5°	1943.1	1957.3	1941.8	1944.0	1966.5
150°	1987.8	2000.7	1981.3	1983.4	2005.9
152.5°	2027.3	2038.9	2018.1	2017.7	2044.1
155°	2081.6	2094.4	2071.7	2067.4	2096.4
157.5°	2130.9	2142.8	2120.0	2116.9	2139.4
160°	2163.8	2171.8	2149.0	2144.6	2167.1
162.5°	2186.1	2195.5	2172.6	2165.6	2188.1
165°	2219.7	2226.1	2203.2	2193.9	2216.4
167.5°	2248.6	2256.0	2226.6	2218.2	2242.4
170°	2265.7	2270.5	2241.0	2230.1	2254.2
172.5°	2276.2	2279.8	2250.3	2237.8	2254.2
175°	2285.4	2290.3	2260.8	2246.2	2257.5
177.5°	2287.1	2289.7	2267.4	2254.6	2273.9
180°	2273.9	2273.9	2273.9	2273.9	2273.9

TEST NUMBER: P1438847

CATALOG NUMBER: CB2-125U-120D-940-1D-UNV-STD-W-4

**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	19.25	20.05	20.25	21.06	22.41	18.15	18.95	19.15	19.97	21.31
	3H	20.89	21.61	21.90	22.63	24.00	19.67	20.39	20.68	21.41	22.78
	4H	21.51	22.20	22.54	23.22	24.59	20.24	20.92	21.27	21.95	23.32
	6H	21.91	22.54	22.95	23.57	24.96	20.61	21.24	21.65	22.27	23.65
	8H	22.06	22.66	23.10	23.70	25.08	20.75	21.35	21.79	22.39	23.77
	12H	22.13	22.70	23.18	23.74	25.15	20.81	21.38	21.86	22.42	23.82
4H	2H	19.65	20.33	20.68	21.36	22.73	18.77	19.46	19.81	20.48	21.86
	3H	21.51	22.08	22.55	23.14	24.52	20.50	21.07	21.55	22.13	23.51
	4H	22.26	22.78	23.30	23.82	25.23	21.18	21.70	22.22	22.74	24.15
	6H	22.77	23.22	23.83	24.29	25.69	21.65	22.10	22.71	23.16	24.57
	8H	22.98	23.40	24.04	24.46	25.87	21.84	22.26	22.89	23.31	24.73
	12H	23.08	23.46	24.16	24.53	25.96	21.92	22.30	23.00	23.37	24.80
8H	4H	22.41	22.83	23.47	23.89	25.31	21.45	21.86	22.50	22.92	24.34
	6H	23.05	23.39	24.13	24.50	25.91	22.05	22.39	23.13	23.49	24.91
	8H	23.34	23.64	24.43	24.73	26.16	22.32	22.63	23.41	23.71	25.15
	12H	23.51	23.78	24.60	24.86	26.33	22.47	22.74	23.56	23.82	25.29
12H	4H	22.39	22.76	23.46	23.84	25.26	21.45	21.82	22.52	22.90	24.32
	6H	23.08	23.38	24.17	24.47	25.90	22.11	22.41	23.20	23.50	24.93
	8H	23.39	23.66	24.48	24.74	26.22	22.41	22.68	23.51	23.76	25.24