

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: P1438975

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438975  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-B-125U-120D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

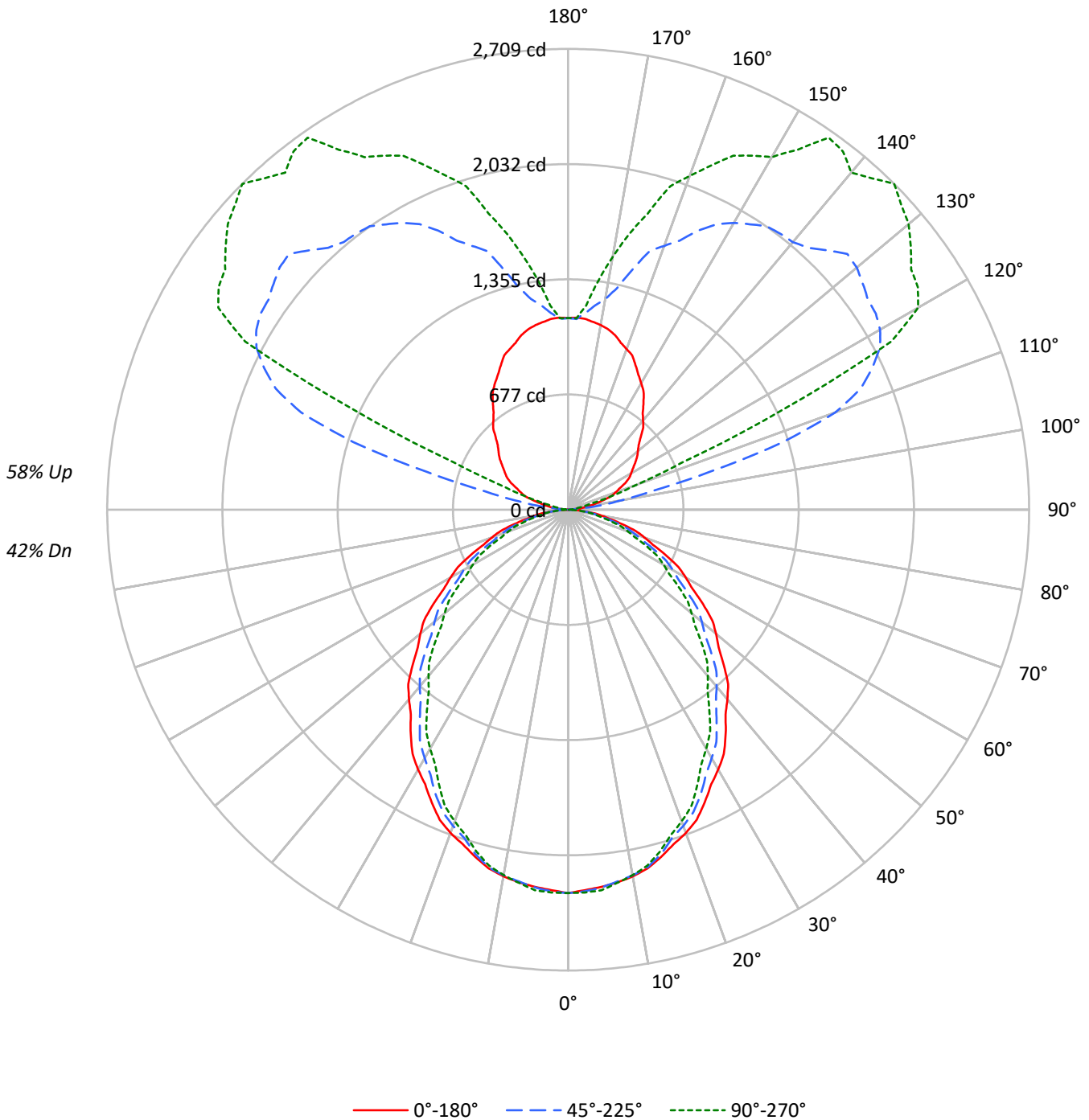
Lumens per Lamp: N/A  
Luminaire Lumens: 12655.5 lumens  
Efficiency: N/A  
Efficacy: 153.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
Input Voltage (V): 120  
Input Current (A<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: P1438975

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

### Luminous Intensity Polar Plot





TEST NUMBER: P1438975

CATALOG NUMBER: CB2-B-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	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	42
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41	35
2	88	80	74	69	80	74	68	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	32	30	25
4	73	63	55	49	67	57	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	31	28	25	25	22	20	17
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16	14
9	49	37	30	25	45	35	28	24	29	24	21	24	20	17	19	17	14	12
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	18	15	13	11

**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: P1438975

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.9	1.7
10°-20°	590.8	4.7
20°-30°	849.4	6.7
30°-40°	954.7	7.5
40°-50°	922.3	7.3
50°-60°	779.3	6.2
60°-70°	559.7	4.4
70°-80°	305.9	2.4
80°-90°	81.2	0.6
90°-100°	84.4	0.7
100°-110°	522.6	4.1
110°-120°	1317.9	10.4
120°-130°	1584.2	12.5
130°-140°	1436.3	11.3
140°-150°	1145.4	9.1
150°-160°	781.3	6.2
160°-170°	413.2	3.3
170°-180°	115.0	0.9
0°-30°	1652.1	13.1
0°-40°	2606.9	20.6
0°-60°	4308.4	34.0
0°-90°	5255.3	41.5
90°-120°	1924.8	15.2
90°-150°	6090.7	48.1
90°-180°	7400.0	58.5
0°-180°	12655.5	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	0	0	5
95°	44	110	34	24	24	55
105°	214	598	864	217	146	224
115°	369	815	1971	1835	1398	362
125°	481	988	2150	2447	2461	430
135°	602	1096	2155	2524	2709	468
145°	772	1152	2034	2452	2670	483
155°	937	1174	1811	2182	2296	431
165°	1063	1163	1461	1720	1801	298
175°	1126	1140	1160	1180	1204	107
180°	1126	1126	1126	1126	1126	



TEST NUMBER: P1438975

CATALOG NUMBER: CB2-B-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	16.6	16.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	11.7	19.2	7.8	7.8	7.8
95°	43.7	110.1	34.0	24.3	24.3
97.5°	91.3	264.0	183.5	49.4	42.7
100°	126.2	382.5	315.5	72.5	58.3
102.5°	161.2	485.8	498.1	115.0	89.3
105°	213.6	598.1	864.1	216.8	145.6
107.5°	265.1	671.4	1324.3	447.4	269.9
110°	296.1	713.8	1669.9	697.5	417.5



TEST NUMBER: P1438975

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	327.2	756.3	1860.2	1118.2	720.4
115°	368.9	815.1	1970.9	1834.8	1398.1
117.5°	403.9	869.1	2066.0	2269.0	2140.8
120°	427.2	911.3	2116.5	2331.1	2373.8
122.5°	450.5	942.2	2143.7	2355.3	2436.0
125°	480.6	988.5	2150.5	2447.0	2461.2
127.5°	510.7	1023.3	2182.6	2531.3	2537.9
130°	534.0	1046.6	2213.6	2559.5	2611.7
132.5°	561.2	1066.2	2225.3	2575.6	2654.4
135°	601.9	1095.6	2155.4	2523.7	2708.8
137.5°	653.4	1116.7	2088.4	2522.2	2641.8
140°	684.5	1121.2	2053.4	2577.9	2587.4
142.5°	719.4	1133.3	2045.7	2571.8	2653.4
145°	771.9	1151.6	2034.0	2451.6	2669.9
147.5°	824.3	1163.2	1989.3	2318.9	2509.7
150°	859.2	1167.8	1946.6	2274.6	2393.2
152.5°	894.2	1172.3	1892.3	2247.0	2346.6
155°	936.9	1174.2	1810.7	2182.2	2296.1
157.5°	981.6	1168.6	1712.6	2064.0	2188.4
160°	1004.9	1161.5	1650.5	1978.2	2087.4
162.5°	1028.2	1158.2	1596.1	1866.0	1994.2
165°	1063.1	1162.8	1461.2	1720.3	1801.0
167.5°	1086.4	1158.6	1335.0	1547.3	1661.2
170°	1102.0	1158.9	1257.3	1414.8	1509.7
172.5°	1113.6	1140.2	1210.7	1293.7	1358.3
175°	1126.2	1140.5	1160.2	1180.2	1203.9
177.5°	1130.1	1137.7	1122.3	1118.6	1126.2
180°	1126.2	1126.2	1126.2	1126.2	1126.2



TEST NUMBER: P1438975  
 CATALOG NUMBER: CB2-B-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	18.91	19.69	19.94	20.73	22.12	17.81	18.59	18.84	19.63	21.02
	3H	20.55	21.25	21.59	22.29	23.70	19.33	20.03	20.37	21.08	22.48
	4H	21.18	21.84	22.23	22.88	24.30	19.90	20.57	20.95	21.61	23.03
	6H	21.57	22.18	22.64	23.23	24.66	20.27	20.88	21.33	21.93	23.36
	8H	21.72	22.30	22.79	23.37	24.79	20.41	20.99	21.47	22.06	23.48
	12H	21.79	22.34	22.86	23.40	24.85	20.47	21.02	21.54	22.08	23.53
4H	2H	19.31	19.97	20.37	21.02	22.44	18.44	19.10	19.49	20.15	21.56
	3H	21.17	21.73	22.24	22.80	24.23	20.17	20.72	21.23	21.79	23.22
	4H	21.92	22.42	22.99	23.49	24.94	20.84	21.34	21.91	22.41	23.86
	6H	22.43	22.87	23.51	23.95	25.40	21.31	21.74	22.39	22.83	24.27
	8H	22.63	23.04	23.71	24.12	25.58	21.49	21.90	22.57	22.98	24.44
	12H	22.74	23.10	23.83	24.20	25.66	21.58	21.94	22.68	23.04	24.50
8H	4H	22.07	22.47	23.15	23.55	25.01	21.10	21.51	22.18	22.59	24.05
	6H	22.70	23.04	23.81	24.16	25.62	21.70	22.04	22.81	23.16	24.62
	8H	22.99	23.29	24.10	24.39	25.87	21.98	22.27	23.09	23.38	24.85
	12H	23.17	23.42	24.28	24.52	26.04	22.12	22.38	23.24	23.48	25.00
12H	4H	22.04	22.41	23.14	23.50	24.97	21.10	21.47	22.20	22.56	24.03
	6H	22.73	23.03	23.84	24.13	25.61	21.77	22.06	22.88	23.16	24.64
	8H	23.05	23.30	24.16	24.40	25.92	22.07	22.33	23.18	23.43	24.94