

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: P1438969

Luminaire Tested: CB2-B-125U-120D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438969
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

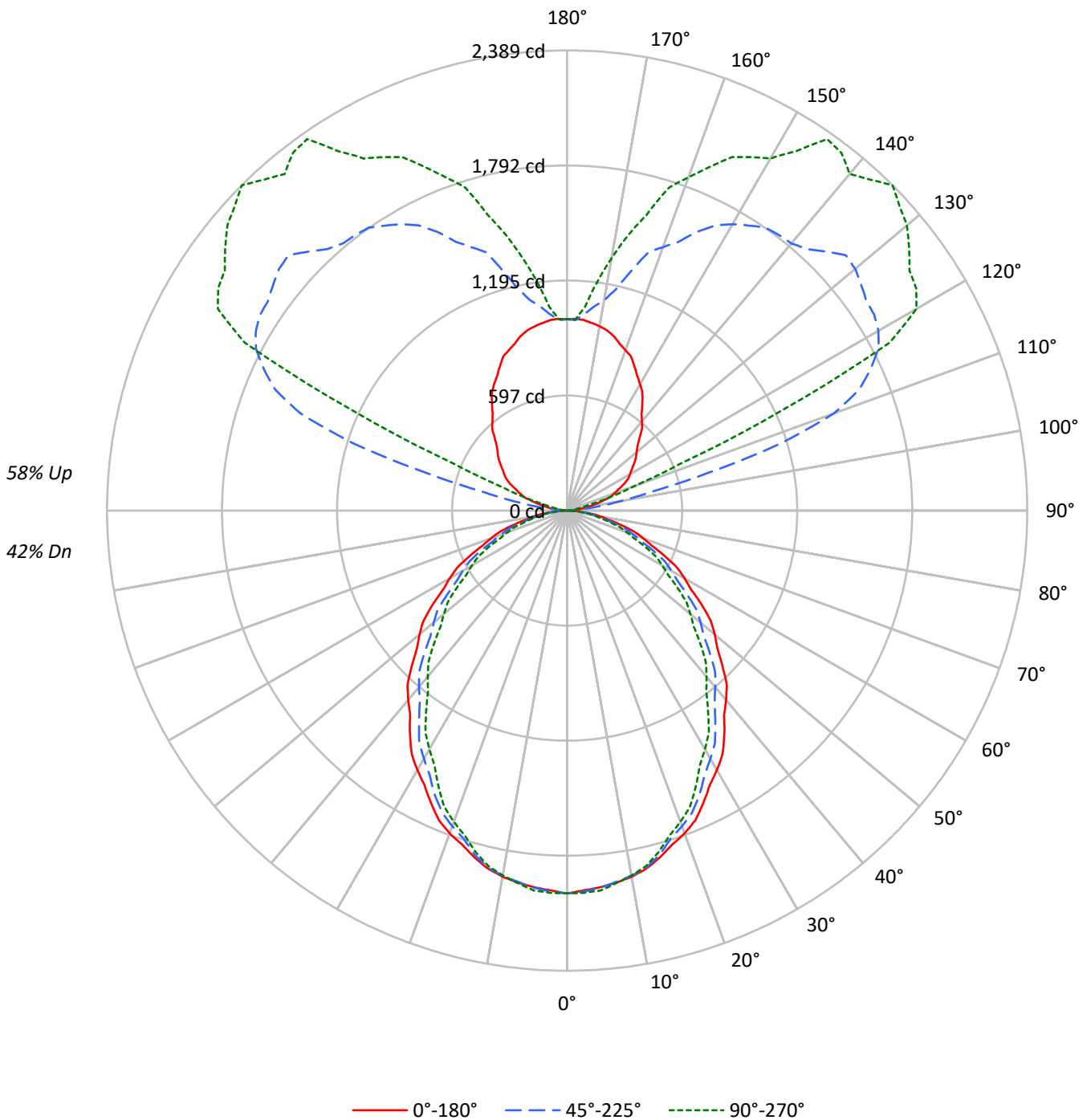
Lumens per Lamp: N/A
Luminaire Lumens: 11159.8 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.3
Input Voltage (V): 120
Input Current (A_{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	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°	34613	34613	34613
5°	34321	34373	34613
10°	34125	34044	34017
15°	33584	33366	33090
20°	33056	32322	31871
25°	32167	31262	30384
30°	31276	29900	28768
35°	30252	28505	27146
40°	29167	27193	25602
45°	28073	25824	24100
50°	27088	24493	22636
55°	25875	23103	21256
60°	24489	21786	19877
65°	23017	20318	18500
70°	21388	18674	16739
75°	19455	16898	15155
80°	17402	14805	13741
85°	13389	12170	10032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.9	1.7
10°-20°	520.9	4.7
20°-30°	749.0	6.7
30°-40°	841.9	7.5
40°-50°	813.3	7.3
50°-60°	687.2	6.2
60°-70°	493.6	4.4
70°-80°	269.8	2.4
80°-90°	71.6	0.6
90°-100°	74.4	0.7
100°-110°	460.8	4.1
110°-120°	1162.1	10.4
120°-130°	1397.0	12.5
130°-140°	1266.6	11.3
140°-150°	1010.0	9.1
150°-160°	689.0	6.2
160°-170°	364.4	3.3
170°-180°	101.4	0.9
0°-30°	1456.9	13.1
0°-40°	2298.8	20.6
0°-60°	3799.2	34.0
0°-90°	4634.2	41.5
90°-120°	1697.3	15.2
90°-150°	5370.9	48.1
90°-180°	6526.0	58.5
0°-180°	11159.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1963	1990	1966	1966	1980	186
15°	1862	1879	1850	1832	1835	525
25°	1674	1675	1627	1590	1581	771
35°	1423	1406	1341	1289	1277	889
45°	1140	1116	1048	993	978	881
55°	852	821	761	713	700	762
65°	558	538	493	458	449	554
75°	289	271	251	231	225	309
85°	67	62	61	53	50	80
90°	0	0	0	0	0	4
95°	38	97	30	21	21	49
105°	188	527	762	191	128	198
115°	325	719	1738	1618	1233	319
125°	424	872	1896	2158	2170	379
135°	531	966	1901	2225	2389	413
145°	681	1016	1794	2162	2354	426
155°	826	1036	1597	1924	2025	380
165°	938	1025	1288	1517	1588	263
175°	993	1006	1023	1041	1062	94
180°	993	993	993	993	993	

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CATALOG NUMBER: CB2-B-125U-120D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1987.3	1987.3	1987.3	1987.3	1987.3
2.5°	1973.9	1997.7	1980.0	1982.5	1986.1
5°	1963.0	1989.7	1966.0	1966.3	1979.7
7.5°	1949.0	1974.3	1944.4	1938.9	1951.4
10°	1929.5	1954.8	1924.9	1914.5	1923.4
12.5°	1903.9	1928.0	1899.4	1882.8	1890.5
15°	1862.5	1878.9	1850.4	1832.2	1835.1
17.5°	1817.5	1827.6	1786.4	1771.2	1768.2
20°	1783.4	1792.3	1743.8	1722.5	1719.5
22.5°	1739.6	1747.3	1696.4	1670.1	1665.9
25°	1673.8	1675.3	1626.7	1589.9	1581.0
27.5°	1605.1	1600.3	1546.3	1502.8	1491.2
30°	1555.1	1549.2	1486.7	1440.8	1430.4
32.5°	1501.6	1490.9	1428.2	1378.7	1368.3
35°	1422.8	1406.4	1340.6	1288.6	1276.7
37.5°	1338.8	1320.3	1255.7	1199.1	1185.7
40°	1282.8	1261.9	1196.0	1139.4	1126.0
42.5°	1226.8	1203.6	1136.4	1079.8	1065.2
45°	1139.7	1115.9	1048.4	993.3	978.4
47.5°	1057.0	1026.6	961.1	906.3	891.4
50°	999.7	967.0	903.9	850.3	835.4
52.5°	941.3	907.4	846.7	795.5	780.6
55°	852.1	820.9	760.8	713.4	700.0
57.5°	763.9	733.8	679.0	633.6	620.5
60°	703.0	677.7	625.4	582.5	570.6
62.5°	644.6	621.7	571.8	532.6	520.7
65°	558.5	537.6	493.0	457.8	448.9
67.5°	474.8	453.9	417.9	386.3	376.2
70°	420.0	399.2	366.7	337.6	328.7
72.5°	367.6	345.6	319.2	292.6	286.1
75°	289.1	271.3	251.1	231.2	225.2
77.5°	219.7	202.5	187.8	173.7	172.3
80°	173.5	158.6	147.6	138.4	137.0
82.5°	129.6	118.3	111.1	104.4	104.1
85°	67.0	62.5	60.9	53.2	50.2
87.5°	19.5	19.5	17.0	14.6	14.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.3	17.0	6.8	6.8	6.8
95°	38.5	97.1	30.0	21.4	21.4
97.5°	80.5	232.8	161.8	43.5	37.7
100°	111.3	337.3	278.2	63.9	51.4
102.5°	142.1	428.4	439.2	101.4	78.8
105°	188.4	527.4	762.0	191.2	128.4
107.5°	233.7	592.0	1167.8	394.5	238.0
110°	261.1	629.5	1472.6	615.1	368.1



TEST NUMBER: P1438969

CATALOG NUMBER: CB2-B-125U-120D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	288.5	666.9	1640.4	986.0	635.3
115°	325.3	718.8	1738.0	1617.9	1232.8
117.5°	356.2	766.3	1821.9	2000.8	1887.8
120°	376.7	803.6	1866.4	2055.6	2093.3
122.5°	397.2	830.9	1890.4	2076.9	2148.1
125°	423.8	871.6	1896.4	2157.8	2170.3
127.5°	450.3	902.4	1924.6	2232.1	2238.0
130°	470.9	922.9	1952.0	2257.0	2303.0
132.5°	494.9	940.2	1962.3	2271.2	2340.7
135°	530.8	966.1	1900.6	2225.4	2388.6
137.5°	576.2	984.7	1841.6	2224.1	2329.6
140°	603.6	988.7	1810.7	2273.2	2281.6
142.5°	634.4	999.4	1803.9	2267.8	2339.8
145°	680.6	1015.5	1793.6	2161.9	2354.4
147.5°	726.9	1025.7	1754.2	2044.9	2213.1
150°	757.7	1029.7	1716.6	2005.8	2110.4
152.5°	788.5	1033.8	1668.6	1981.4	2069.3
155°	826.2	1035.5	1596.7	1924.3	2024.8
157.5°	865.6	1030.5	1510.2	1820.1	1929.7
160°	886.1	1024.2	1455.4	1744.4	1840.7
162.5°	906.7	1021.3	1407.5	1645.5	1758.5
165°	937.5	1025.4	1288.5	1517.0	1588.1
167.5°	958.0	1021.6	1177.2	1364.4	1464.9
170°	971.7	1021.9	1108.7	1247.6	1331.3
172.5°	982.0	1005.4	1067.6	1140.8	1197.7
175°	993.1	1005.7	1023.1	1040.7	1061.6
177.5°	996.5	1003.2	989.7	986.4	993.1
180°	993.1	993.1	993.1	993.1	993.1



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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	18.47	19.26	19.50	20.29	21.68	17.38	18.16	18.40	19.19	20.58
	3H	20.11	20.81	21.15	21.86	23.26	18.90	19.60	19.94	20.64	22.05
	4H	20.74	21.40	21.79	22.45	23.86	19.47	20.13	20.52	21.18	22.59
	6H	21.14	21.75	22.20	22.80	24.22	19.83	20.44	20.89	21.49	22.92
	8H	21.28	21.86	22.35	22.93	24.35	19.97	20.55	21.04	21.62	23.04
	12H	21.35	21.91	22.42	22.97	24.41	20.03	20.58	21.10	21.64	23.09
4H	2H	18.87	19.54	19.93	20.58	22.00	18.00	18.66	19.06	19.71	21.12
	3H	20.74	21.29	21.80	22.36	23.79	19.73	20.28	20.79	21.35	22.78
	4H	21.48	21.99	22.55	23.05	24.50	20.40	20.90	21.47	21.97	23.42
	6H	21.99	22.43	23.07	23.52	24.96	20.87	21.30	21.95	22.39	23.84
	8H	22.20	22.60	23.28	23.68	25.14	21.06	21.46	22.14	22.54	24.00
	12H	22.30	22.67	23.40	23.76	25.23	21.14	21.51	22.24	22.60	24.07
8H	4H	21.63	22.04	22.71	23.12	24.57	20.67	21.07	21.75	22.15	23.61
	6H	22.27	22.60	23.37	23.73	25.18	21.27	21.60	22.37	22.72	24.18
	8H	22.56	22.85	23.67	23.96	25.43	21.54	21.83	22.65	22.94	24.42
	12H	22.73	22.99	23.84	24.09	25.60	21.69	21.95	22.80	23.05	24.56
12H	4H	21.61	21.97	22.70	23.07	24.53	20.67	21.03	21.76	22.13	23.59
	6H	22.30	22.59	23.41	23.69	25.17	21.33	21.62	22.44	22.73	24.20
	8H	22.61	22.87	23.72	23.97	25.48	21.63	21.89	22.74	22.99	24.51