

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1057002

Luminaire Tested: CB2-B-125U-055D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057002
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-125U-055D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17932.9 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

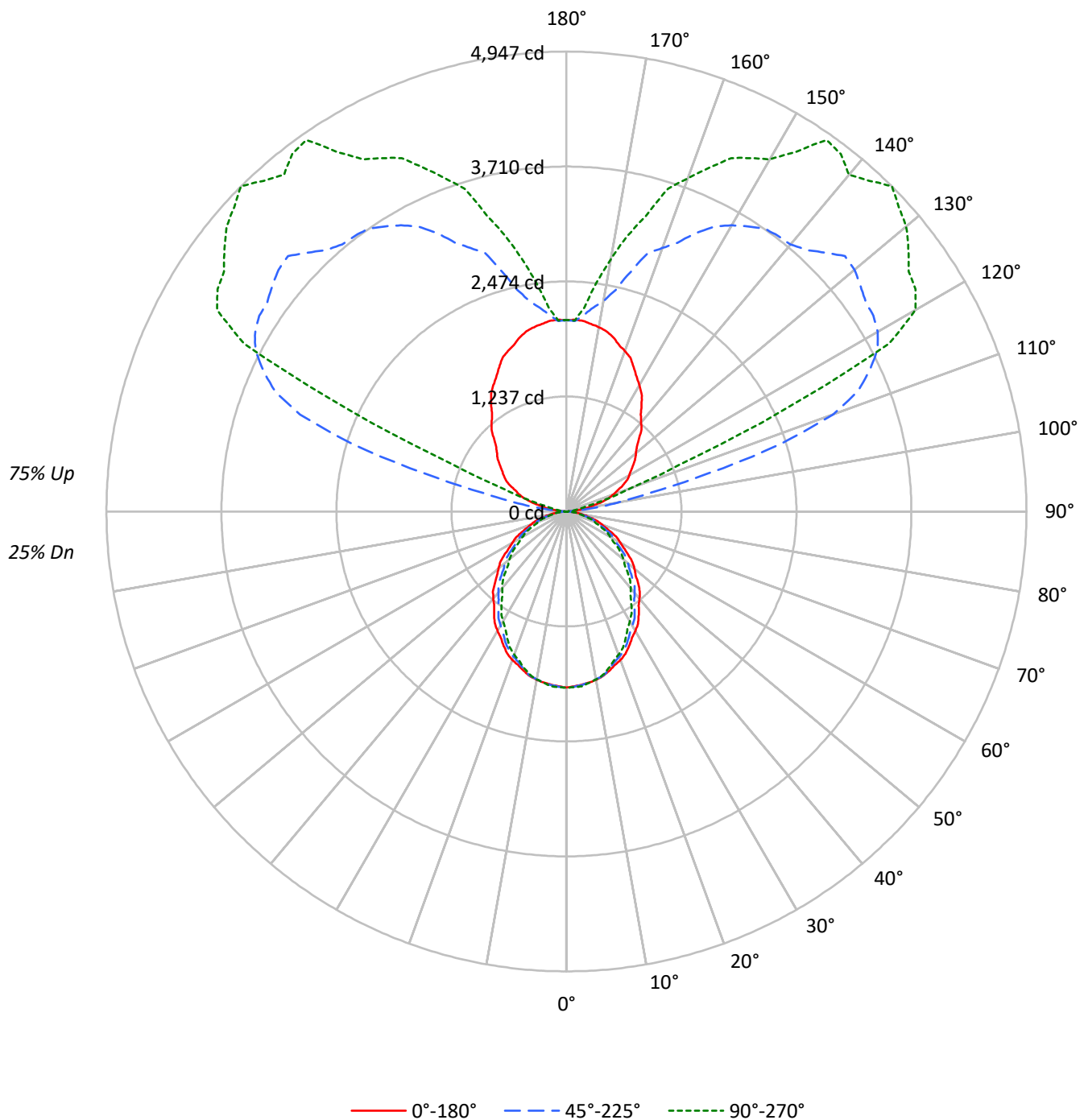
Input Watts (W): 132.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057002

CATALOG NUMBER: CB2-B-125U-055D-835-1D-UNV-STD-W-8

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	33	33	33	25
1	92	88	84	81	82	79	75	73	61	59	57	44	43	42	29	28	28	21
2	84	77	71	66	75	69	64	60	53	50	47	39	37	35	26	25	24	18
3	77	68	61	55	68	60	55	50	47	43	40	34	32	30	23	21	20	15
4	70	60	52	47	62	54	47	42	42	37	34	31	28	25	20	19	17	13
5	64	53	45	40	57	48	41	36	37	33	29	27	24	22	18	17	15	11
6	59	48	40	34	52	43	36	31	33	29	25	25	22	19	17	15	13	10
7	54	43	35	30	48	38	32	27	30	25	22	23	19	17	15	13	12	9
8	50	39	31	26	45	35	28	24	27	23	19	21	17	15	14	12	11	8
9	47	35	28	23	42	32	26	21	25	21	17	19	16	13	13	11	10	7
10	44	32	25	21	39	29	23	19	23	19	15	17	14	12	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16497	16497	16497
5°	16357	16382	16496
10°	16264	16225	16213
15°	16006	15901	15771
20°	15754	15405	15190
25°	15331	14899	14481
30°	14907	14250	13710
35°	14418	13585	12937
40°	13900	12960	12202
45°	13380	12309	11486
50°	12910	11673	10788
55°	12332	11011	10130
60°	11671	10382	9473
65°	10969	9683	8818
70°	10193	8902	7977
75°	9273	8052	7224
80°	8295	7056	6545
85°	6375	5795	4786

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13380 cd/sqm

TEST NUMBER: P1057002

CATALOG NUMBER: CB2-B-125U-055D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	1.0
10°-20°	496.6	2.8
20°-30°	714.0	4.0
30°-40°	802.5	4.5
40°-50°	775.2	4.3
50°-60°	655.0	3.7
60°-70°	470.5	2.6
70°-80°	257.1	1.4
80°-90°	68.3	0.4
90°-100°	154.1	0.9
100°-110°	954.4	5.3
110°-120°	2406.9	13.4
120°-130°	2893.4	16.1
130°-140°	2623.3	14.6
140°-150°	2091.9	11.7
150°-160°	1426.9	8.0
160°-170°	754.7	4.2
170°-180°	210.0	1.2
0°-30°	1388.7	7.7
0°-40°	2191.2	12.2
0°-60°	3621.4	20.2
0°-90°	4417.3	24.6
90°-120°	3515.4	19.6
90°-150°	11124.0	62.0
90°-180°	13516.0	75.4
0°-180°	17932.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1894	1894	1894	1894	1894	
5°	1871	1897	1874	1874	1887	178
15°	1775	1791	1764	1746	1749	500
25°	1596	1597	1550	1516	1507	734
35°	1356	1341	1278	1228	1217	847
45°	1086	1064	999	947	933	839
55°	812	782	725	680	667	726
65°	532	512	470	436	428	528
75°	276	259	239	220	215	295
85°	64	60	58	51	48	76
90°	0	0	0	0	0	5
95°	80	201	62	44	44	101
105°	390	1092	1578	396	266	410
115°	674	1489	3600	3351	2553	661
125°	878	1805	3928	4469	4495	786
135°	1099	2001	3936	4609	4947	855
145°	1410	2103	3715	4478	4876	881
155°	1711	2145	3307	3986	4194	788
165°	1942	2124	2669	3142	3289	545
175°	2057	2083	2119	2155	2199	195
180°	2057	2057	2057	2057	2057	

TEST NUMBER: P1057002

CATALOG NUMBER: CB2-B-125U-055D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1894.3	1894.3	1894.3	1894.3	1894.3
2.5°	1881.5	1904.2	1887.3	1889.7	1893.1
5°	1871.1	1896.6	1874.0	1874.3	1887.0
7.5°	1857.7	1881.8	1853.4	1848.1	1860.0
10°	1839.2	1863.3	1834.8	1824.9	1833.4
12.5°	1814.8	1837.8	1810.4	1794.7	1802.0
15°	1775.3	1790.9	1763.7	1746.4	1749.2
17.5°	1732.4	1742.1	1702.8	1688.3	1685.4
20°	1699.9	1708.4	1662.2	1641.8	1639.0
22.5°	1658.1	1665.5	1617.0	1591.9	1587.9
25°	1595.5	1596.9	1550.5	1515.5	1507.0
27.5°	1529.9	1525.4	1473.9	1432.5	1421.4
30°	1482.4	1476.7	1417.1	1373.3	1363.4
32.5°	1431.3	1421.1	1361.4	1314.2	1304.2
35°	1356.2	1340.6	1277.8	1228.3	1216.9
37.5°	1276.1	1258.5	1196.9	1142.9	1130.2
40°	1222.7	1202.9	1140.0	1086.1	1073.3
42.5°	1169.3	1147.2	1083.2	1029.2	1015.3
45°	1086.4	1063.7	999.4	946.8	932.6
47.5°	1007.5	978.5	916.1	863.9	849.7
50°	952.9	921.7	861.6	810.5	796.3
52.5°	897.2	864.9	807.0	758.3	744.1
55°	812.2	782.5	725.2	680.0	667.2
57.5°	728.1	699.5	647.2	604.0	591.5
60°	670.1	646.0	596.1	555.3	543.9
62.5°	614.4	592.6	545.1	507.7	496.3
65°	532.3	512.5	469.9	436.4	427.9
67.5°	452.5	432.7	398.3	368.2	358.5
70°	400.3	380.5	349.6	321.8	313.3
72.5°	350.4	329.4	304.3	278.9	272.7
75°	275.6	258.6	239.3	220.3	214.7
77.5°	209.4	193.0	179.0	165.6	164.2
80°	165.4	151.2	140.7	132.0	130.5
82.5°	123.6	112.8	105.9	99.5	99.2
85°	63.8	59.6	58.0	50.7	47.9
87.5°	18.6	18.6	16.2	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	21.3	35.1	14.2	14.2	14.2
95°	79.8	201.2	62.1	44.3	44.3
97.5°	166.7	482.2	335.1	90.2	78.0
100°	230.5	698.6	576.3	132.4	106.4
102.5°	294.4	887.3	909.7	209.9	163.1
105°	390.1	1092.3	1578.2	396.0	266.0
107.5°	484.1	1226.2	2418.7	817.2	493.0
110°	540.8	1303.7	3049.9	1274.0	762.5

TEST NUMBER: P1057002

CATALOG NUMBER: CB2-B-125U-055D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	597.6	1381.3	3397.5	2042.2	1315.7
115°	673.8	1488.7	3599.6	3351.0	2553.4
117.5°	737.7	1587.2	3773.4	4144.0	3909.9
120°	780.2	1664.5	3865.6	4257.5	4335.5
122.5°	822.8	1720.9	3915.2	4301.6	4449.0
125°	877.7	1805.3	3927.7	4469.1	4495.1
127.5°	932.7	1869.0	3986.2	4623.0	4635.2
130°	975.3	1911.5	4042.9	4674.6	4769.9
132.5°	1024.9	1947.3	4064.2	4704.1	4848.0
135°	1099.4	2001.0	3936.5	4609.2	4947.3
137.5°	1193.4	2039.5	3814.2	4606.4	4824.9
140°	1250.1	2047.7	3750.3	4708.3	4725.6
142.5°	1313.9	2069.9	3736.2	4697.1	4846.2
145°	1409.7	2103.2	3714.9	4477.6	4876.3
147.5°	1505.5	2124.4	3633.3	4235.3	4583.7
150°	1569.3	2132.8	3555.3	4154.2	4371.0
152.5°	1633.1	2141.1	3456.0	4103.8	4285.9
155°	1711.1	2144.6	3307.0	3985.6	4193.6
157.5°	1792.7	2134.3	3127.9	3769.7	3996.8
160°	1835.3	2121.4	3014.5	3613.0	3812.4
162.5°	1877.8	2115.4	2915.2	3408.1	3642.2
165°	1941.7	2123.7	2668.7	3141.9	3289.3
167.5°	1984.2	2116.0	2438.2	2825.9	3034.0
170°	2012.6	2116.6	2296.3	2584.0	2757.3
172.5°	2033.9	2082.4	2211.2	2362.8	2480.7
175°	2056.9	2082.9	2119.0	2155.4	2198.8
177.5°	2064.0	2077.9	2049.8	2043.1	2056.9
180°	2056.9	2056.9	2056.9	2056.9	2056.9

(END OF REPORT)