

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: P1057110

Luminaire Tested: CB3-B-125U-055D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057110
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-125U-055D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-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: 17159.4 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

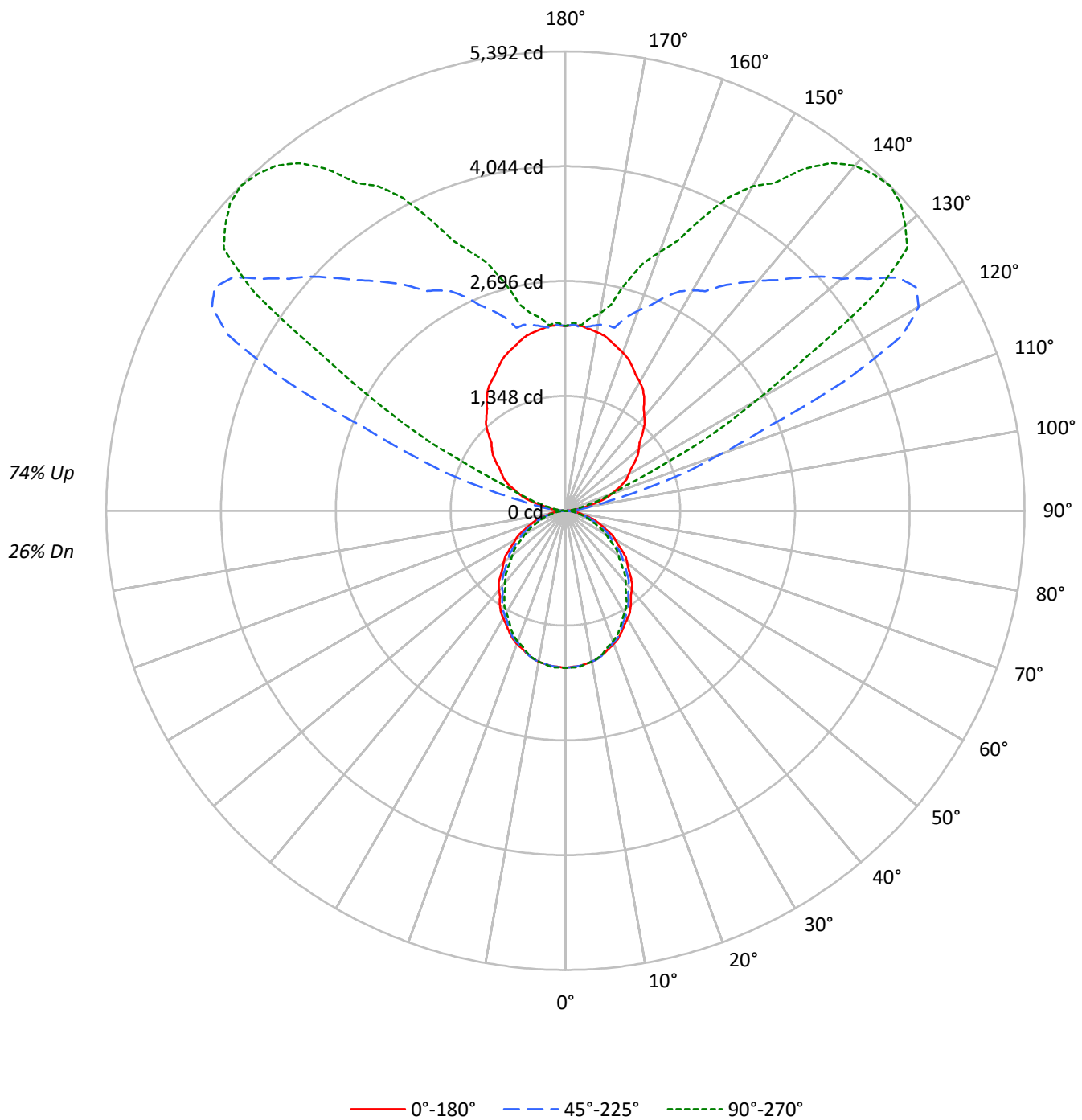
Input Watts (W): 125.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	70	70	70	51	51	51	34	34	34	26
1	92	88	85	81	82	79	76	73	61	59	57	45	44	43	30	29	29	22
2	84	77	71	66	75	69	64	60	54	50	48	40	37	36	27	25	24	18
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	24	22	21	16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18	14
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	20	17	15	14	10
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11	8
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10437	10437	10437
5°	10388	10395	10455
10°	10342	10327	10327
15°	10184	10184	10122
20°	10018	9916	9829
25°	9766	9643	9471
30°	9527	9279	9056
35°	9275	8932	8615
40°	8941	8516	8148
45°	8638	8145	7642
50°	8326	7704	7150
55°	7987	7276	6681
60°	7620	6834	6153
65°	7191	6332	5595
70°	6697	5743	4985
75°	6072	5040	4439
80°	5294	4225	3926
85°	4083	3570	3570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8638 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.1	1.0
10°-20°	489.0	2.8
20°-30°	710.5	4.1
30°-40°	807.8	4.7
40°-50°	784.2	4.6
50°-60°	662.1	3.9
60°-70°	471.1	2.7
70°-80°	251.7	1.5
80°-90°	66.5	0.4
90°-100°	146.5	0.9
100°-110°	767.8	4.5
110°-120°	1932.6	11.3
120°-130°	2981.5	17.4
130°-140°	2729.4	15.9
140°-150°	2014.3	11.7
150°-160°	1284.0	7.5
160°-170°	676.0	3.9
170°-180°	210.5	1.2
0°-30°	1373.6	8.0
0°-40°	2181.4	12.7
0°-60°	3627.7	21.1
0°-90°	4416.9	25.7
90°-120°	2846.8	16.6
90°-150°	10572.0	61.6
90°-180°	12743.0	74.3
0°-180°	17159.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1845	1845	1845	1845	1845	
5°	1829	1852	1830	1828	1841	174
15°	1739	1754	1739	1728	1728	490
25°	1564	1570	1545	1524	1517	721
35°	1343	1330	1293	1255	1247	837
45°	1080	1063	1018	969	955	833
55°	810	788	738	690	677	724
65°	537	518	473	431	418	532
75°	278	262	231	207	203	296
85°	63	58	55	55	55	75
90°	0	0	0	0	0	6
95°	76	216	86	48	48	97
105°	391	1212	878	361	296	418
115°	744	1519	3646	1585	1202	725
125°	993	1534	4772	4811	4447	888
135°	1279	1708	3865	5271	5392	988
145°	1613	1865	3226	4486	4906	1003
155°	1861	2001	2768	3425	3779	858
165°	2062	2118	2224	2600	2777	581
175°	2176	2223	2157	2167	2186	206
180°	2166	2166	2166	2166	2166	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1844.9	1844.9	1844.9	1844.9	1844.9
2.5°	1835.5	1853.9	1837.6	1839.7	1843.8
5°	1829.2	1852.2	1830.5	1828.1	1841.0
7.5°	1815.0	1836.0	1813.4	1808.2	1819.7
10°	1800.3	1823.4	1797.7	1791.3	1797.7
12.5°	1774.1	1798.2	1777.8	1767.2	1772.6
15°	1738.8	1754.1	1738.8	1728.3	1728.3
17.5°	1695.5	1711.7	1682.7	1675.3	1672.5
20°	1664.1	1678.2	1647.0	1636.5	1632.6
22.5°	1622.1	1635.2	1609.3	1591.4	1586.5
25°	1564.5	1569.6	1544.8	1523.7	1517.3
27.5°	1506.6	1507.9	1473.8	1448.2	1439.7
30°	1458.4	1459.6	1420.4	1392.7	1386.3
32.5°	1410.1	1406.3	1369.0	1336.1	1331.8
35°	1343.0	1330.2	1293.3	1255.1	1247.4
37.5°	1262.1	1254.4	1210.7	1172.4	1160.9
40°	1210.7	1197.9	1153.1	1114.8	1103.3
42.5°	1159.3	1144.5	1098.5	1056.1	1043.5
45°	1079.7	1063.0	1018.1	969.3	955.2
47.5°	999.5	981.3	931.9	884.6	869.0
50°	946.0	926.8	875.3	829.0	812.4
52.5°	891.5	871.3	819.7	772.5	758.9
55°	809.8	788.0	737.7	690.2	677.4
57.5°	728.0	706.5	656.5	611.6	596.2
60°	673.5	653.0	604.0	559.1	543.8
62.5°	617.9	598.5	550.6	506.8	492.4
65°	537.2	518.0	473.0	430.8	418.0
67.5°	457.3	440.9	396.5	357.7	347.5
70°	404.9	389.5	347.2	311.6	301.4
72.5°	354.6	338.2	298.0	267.7	260.5
75°	277.8	262.4	230.6	206.9	203.1
77.5°	207.6	195.0	167.5	154.0	152.0
80°	162.5	150.9	129.7	120.5	120.5
82.5°	120.5	111.1	97.2	93.3	93.3
85°	62.9	57.8	55.0	55.0	55.0
87.5°	18.9	18.9	17.8	16.8	16.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	22.9	52.8	15.3	7.8	15.3
95°	76.4	216.3	85.9	47.7	47.7
97.5°	158.4	483.2	221.4	118.1	106.9
100°	219.5	686.1	343.6	171.4	152.7
102.5°	288.2	889.2	519.2	232.1	198.5
105°	391.3	1212.5	878.0	361.2	295.9
107.5°	505.8	1433.4	1446.8	556.8	448.6
110°	582.2	1524.7	1927.9	731.1	563.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	650.9	1548.6	2569.2	996.9	769.2
115°	744.4	1519.0	3645.7	1585.1	1202.5
117.5°	813.1	1445.8	4462.7	2521.7	1945.0
120°	858.9	1446.8	4791.0	3230.3	2586.4
122.5°	912.4	1455.5	4882.6	3933.9	3342.2
125°	992.6	1533.8	4771.9	4811.4	4447.4
127.5°	1072.7	1591.6	4474.1	5172.1	5058.2
130°	1126.2	1630.1	4237.5	5294.9	5210.9
132.5°	1179.6	1668.6	4069.5	5297.8	5340.7
135°	1278.9	1708.1	3865.3	5271.0	5392.3
137.5°	1380.0	1757.0	3674.4	5104.0	5356.0
140°	1441.1	1795.7	3521.7	4923.3	5287.3
142.5°	1509.8	1827.1	3376.6	4755.9	5142.2
145°	1612.9	1864.9	3225.8	4485.6	4905.5
147.5°	1693.1	1885.3	3055.9	4212.9	4560.0
150°	1746.5	1886.5	2987.2	3970.4	4399.7
152.5°	1792.3	1924.8	2903.2	3748.2	4140.1
155°	1861.0	2001.0	2767.7	3424.7	3779.4
157.5°	1929.8	2064.1	2607.4	3183.6	3424.3
160°	1975.6	2087.6	2500.5	3067.2	3225.8
162.5°	2013.7	2110.8	2386.0	2869.2	3050.2
165°	2061.5	2117.5	2223.7	2600.0	2777.3
167.5°	2105.4	2133.4	2237.1	2335.8	2479.5
170°	2128.3	2156.3	2214.2	2310.7	2357.3
172.5°	2151.2	2194.1	2183.6	2249.4	2288.6
175°	2176.0	2222.7	2156.9	2166.9	2185.5
177.5°	2181.7	2204.1	2189.4	2189.9	2212.3
180°	2166.4	2166.4	2166.4	2166.4	2166.4

(END OF REPORT)