

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: P1057086

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057086
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-055U-055D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10041.2 lumens
Efficiency: N/A
Efficacy: 145.1 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: General Diffuse

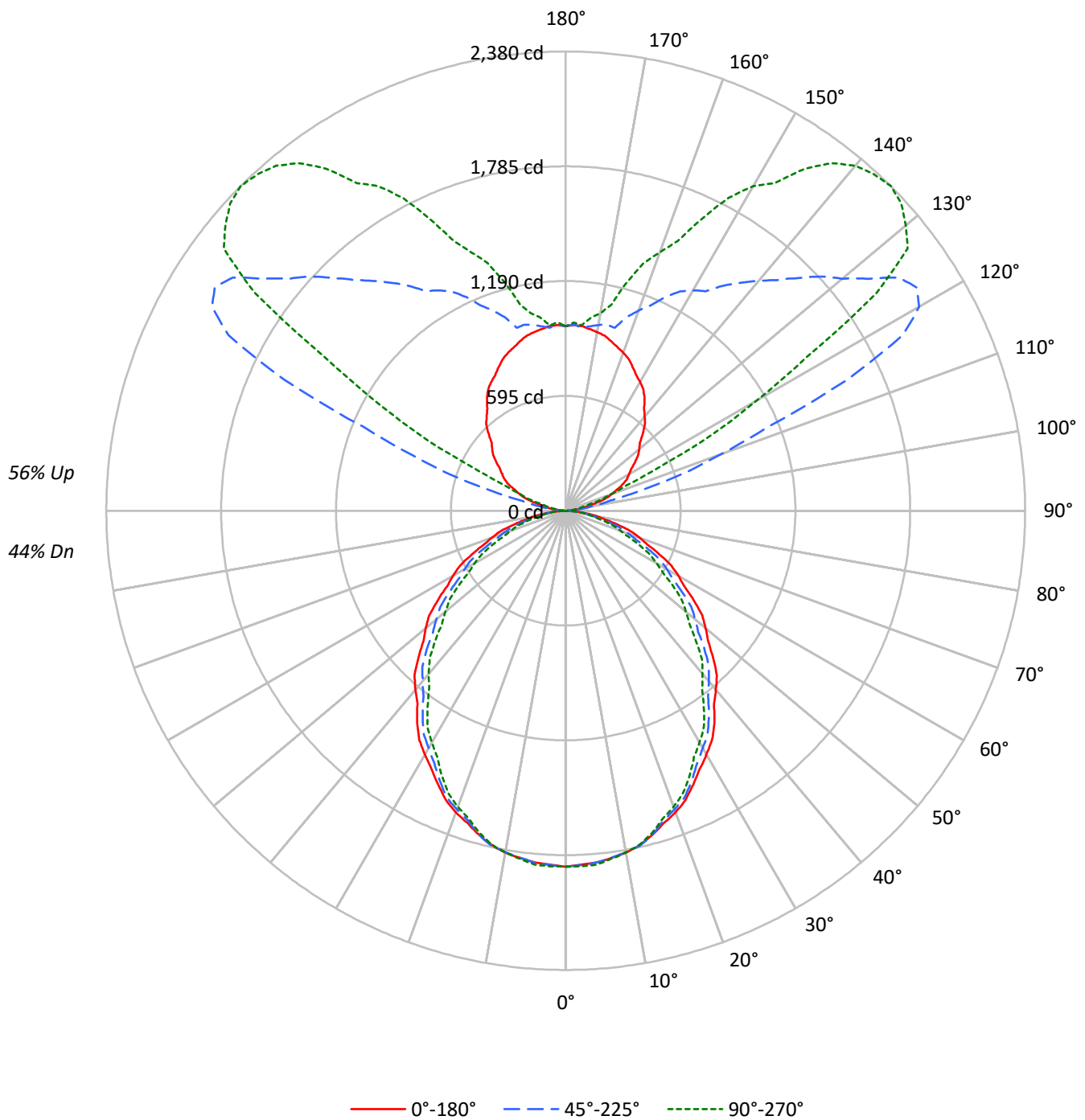
Input Watts (W): 69.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RCR																	
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51
1	97	92	89	85	88	85	81	79	70	68	66	57	56	54	45	44	43
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	40	38	36
3	80	71	64	58	73	65	59	54	55	50	46	45	41	39	35	33	31
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24
6	62	50	42	37	57	47	40	34	39	34	30	32	28	25	26	23	21
7	58	46	38	32	53	42	35	30	36	30	26	29	25	22	24	21	19
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15
10	46	35	27	23	43	32	26	21	27	22	19	23	19	16	19	16	14

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	1.7
10°-20°	489.0	4.9
20°-30°	710.5	7.1
30°-40°	807.8	8.0
40°-50°	784.2	7.8
50°-60°	662.1	6.6
60°-70°	471.1	4.7
70°-80°	251.7	2.5
80°-90°	66.5	0.7
90°-100°	64.7	0.6
100°-110°	338.9	3.4
110°-120°	853.0	8.5
120°-130°	1316.0	13.1
130°-140°	1204.7	12.0
140°-150°	889.1	8.9
150°-160°	566.8	5.6
160°-170°	298.4	3.0
170°-180°	92.9	0.9
0°-30°	1373.6	13.7
0°-40°	2181.4	21.7
0°-60°	3627.7	36.1
0°-90°	4416.9	44.0
90°-120°	1256.5	12.5
90°-150°	4666.3	46.5
90°-180°	5624.0	56.0
0°-180°	10041.2	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	4
95°	34	96	38	21	21	43
105°	173	535	388	159	131	185
115°	329	670	1609	700	531	320
125°	438	677	2106	2124	1963	392
135°	564	754	1706	2326	2380	436
145°	712	823	1424	1980	2165	443
155°	821	883	1222	1512	1668	379
165°	910	935	982	1148	1226	256
175°	960	981	952	956	965	91
180°	956	956	956	956	956	

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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°	10.1	23.3	6.7	3.4	6.7
95°	33.7	95.5	37.9	21.1	21.1
97.5°	69.9	213.3	97.7	52.1	47.2
100°	96.9	302.8	151.6	75.6	67.4
102.5°	127.2	392.5	229.2	102.4	87.6
105°	172.7	535.2	387.5	159.4	130.6
107.5°	223.3	632.7	638.6	245.8	198.0
110°	257.0	673.0	850.9	322.7	248.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	287.3	683.5	1134.0	440.0	339.5
115°	328.6	670.4	1609.2	699.6	530.8
117.5°	358.9	638.2	1969.7	1113.0	858.5
120°	379.1	638.6	2114.7	1425.8	1141.6
122.5°	402.7	642.4	2155.1	1736.3	1475.2
125°	438.1	677.0	2106.2	2123.6	1963.0
127.5°	473.5	702.5	1974.8	2282.9	2232.6
130°	497.1	719.5	1870.3	2337.1	2300.0
132.5°	520.7	736.5	1796.2	2338.3	2357.3
135°	564.5	753.9	1706.0	2326.5	2380.0
137.5°	609.1	775.5	1621.8	2252.8	2364.0
140°	636.1	792.6	1554.4	2173.1	2333.7
142.5°	666.4	806.5	1490.4	2099.2	2269.7
145°	711.9	823.1	1423.8	1979.9	2165.2
147.5°	747.3	832.1	1348.8	1859.5	2012.7
150°	770.9	832.7	1318.5	1752.5	1941.9
152.5°	791.1	849.6	1281.4	1654.4	1827.4
155°	821.4	883.2	1221.6	1511.6	1668.1
157.5°	851.8	911.1	1150.8	1405.2	1511.4
160°	872.0	921.4	1103.7	1353.8	1423.8
162.5°	888.8	931.7	1053.1	1266.4	1346.3
165°	909.9	934.6	981.5	1147.6	1225.8
167.5°	929.3	941.6	987.4	1031.0	1094.4
170°	939.4	951.7	977.3	1019.9	1040.5
172.5°	949.5	968.4	963.8	992.8	1010.1
175°	960.4	981.0	952.0	956.4	964.7
177.5°	963.0	972.9	966.3	966.6	976.4
180°	956.2	956.2	956.2	956.2	956.2

(END OF REPORT)