

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: P1056978

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056978
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-055U-055D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-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: 10382.8 lumens
Efficiency: N/A
Efficacy: 139.2 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: General Diffuse

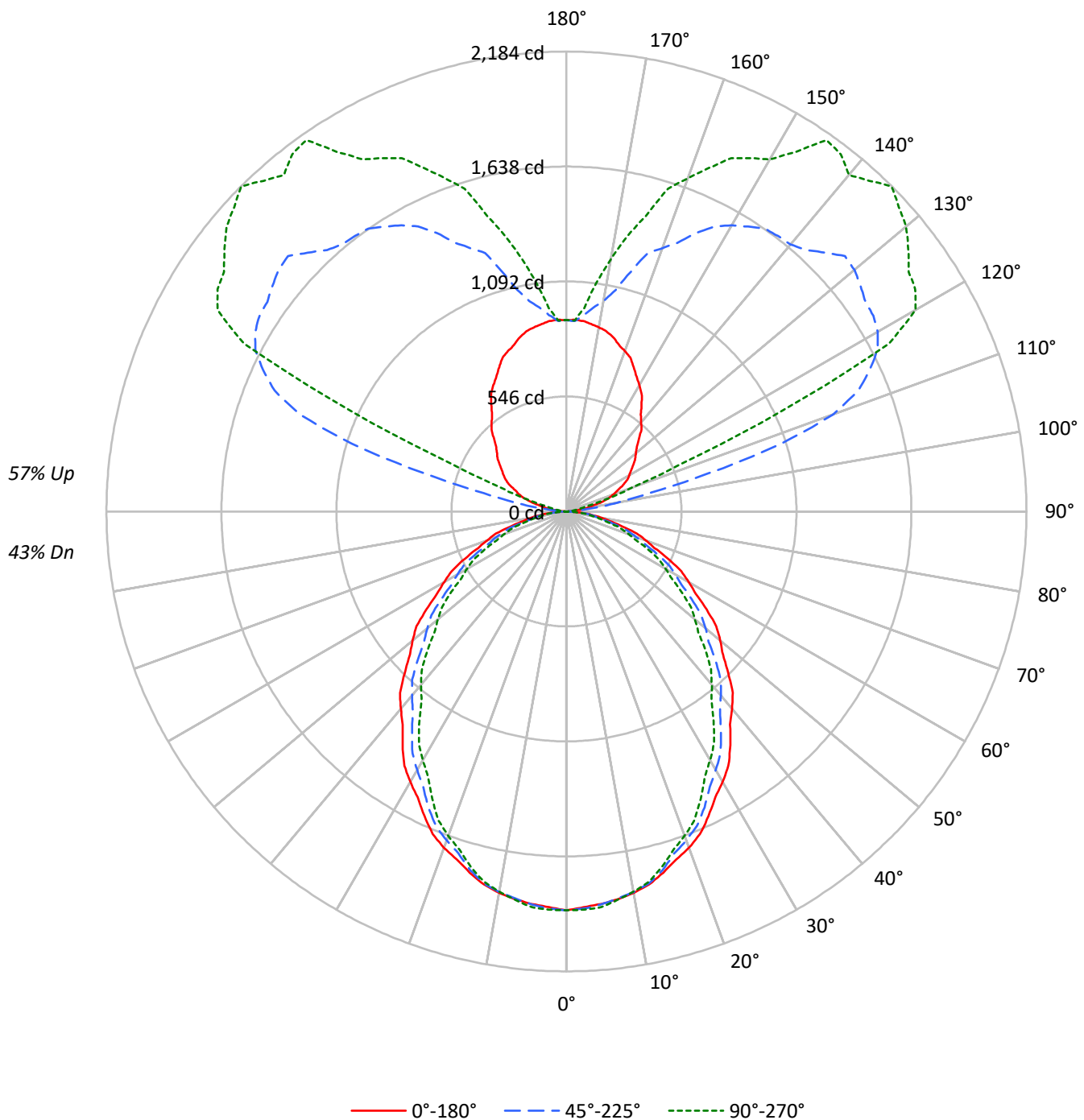
Input Watts (W): 74.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1056978

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

Luminous Intensity Polar Plot



TEST NUMBER: P1056978

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

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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	49	49	49
1	96	92	88	85	88	84	81	78	70	67	65	56	55	53	44	43	42
2	88	81	75	70	80	74	69	64	61	57	54	49	47	45	39	37	36
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	34	32	30
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	28	26
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23
6	62	50	42	37	57	46	39	34	39	33	30	32	28	25	25	23	20
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	18	16
9	50	38	30	25	45	35	28	24	29	24	21	24	21	18	20	17	15
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	15	13

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: P1056978

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	1.7
10°-20°	496.6	4.8
20°-30°	714.0	6.9
30°-40°	802.5	7.7
40°-50°	775.2	7.5
50°-60°	655.0	6.3
60°-70°	470.5	4.5
70°-80°	257.1	2.5
80°-90°	68.3	0.7
90°-100°	68.0	0.7
100°-110°	421.3	4.1
110°-120°	1062.4	10.2
120°-130°	1277.1	12.3
130°-140°	1157.9	11.2
140°-150°	923.3	8.9
150°-160°	629.8	6.1
160°-170°	333.1	3.2
170°-180°	92.7	0.9
0°-30°	1388.7	13.4
0°-40°	2191.2	21.1
0°-60°	3621.4	34.9
0°-90°	4417.3	42.5
90°-120°	1551.7	14.9
90°-150°	4909.9	47.3
90°-180°	5966.0	57.5
0°-180°	10382.8	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	4
95°	35	89	27	20	20	45
105°	172	482	697	175	117	181
115°	297	657	1589	1479	1127	292
125°	387	797	1734	1973	1984	347
135°	485	883	1738	2034	2184	377
145°	622	928	1640	1976	2152	389
155°	755	947	1460	1759	1851	348
165°	857	937	1178	1387	1452	240
175°	908	919	935	951	970	86
180°	908	908	908	908	908	

TEST NUMBER: P1056978

CATALOG NUMBER: CB2-B-055U-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°	9.4	15.5	6.3	6.3	6.3
95°	35.2	88.8	27.4	19.6	19.6
97.5°	73.6	212.8	147.9	39.8	34.4
100°	101.7	308.4	254.4	58.4	47.0
102.5°	129.9	391.6	401.5	92.7	72.0
105°	172.2	482.1	696.6	174.8	117.4
107.5°	213.7	541.2	1067.5	360.7	217.6
110°	238.7	575.4	1346.2	562.3	336.5

TEST NUMBER: P1056978

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	263.8	609.7	1499.6	901.4	580.7
115°	297.4	657.1	1588.8	1479.1	1127.0
117.5°	325.6	700.6	1665.5	1829.1	1725.8
120°	344.4	734.7	1706.2	1879.2	1913.6
122.5°	363.2	759.6	1728.1	1898.6	1963.7
125°	387.4	796.8	1733.6	1972.6	1984.0
127.5°	411.7	824.9	1759.4	2040.5	2045.9
130°	430.5	843.7	1784.5	2063.3	2105.4
132.5°	452.4	859.5	1793.9	2076.3	2139.8
135°	485.2	883.2	1737.5	2034.4	2183.6
137.5°	526.7	900.2	1683.5	2033.2	2129.6
140°	551.8	903.8	1655.3	2078.1	2085.8
142.5°	580.0	913.6	1649.1	2073.2	2139.0
145°	622.2	928.3	1639.7	1976.3	2152.3
147.5°	664.5	937.7	1603.7	1869.4	2023.2
150°	692.7	941.4	1569.2	1833.6	1929.3
152.5°	720.8	945.1	1525.4	1811.3	1891.7
155°	755.3	946.6	1459.7	1759.2	1851.0
157.5°	791.3	942.0	1380.6	1663.9	1764.1
160°	810.1	936.3	1330.5	1594.7	1682.7
162.5°	828.8	933.7	1286.7	1504.3	1607.6
165°	857.0	937.4	1177.9	1386.8	1451.8
167.5°	875.8	934.0	1076.2	1247.3	1339.1
170°	888.3	934.2	1013.5	1140.5	1217.0
172.5°	897.7	919.1	976.0	1042.9	1094.9
175°	907.9	919.4	935.3	951.4	970.5
177.5°	911.0	917.1	904.8	901.8	907.9
180°	907.9	907.9	907.9	907.9	907.9

(END OF REPORT)