

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: P1056979

Luminaire Tested: CB2-B-055U-055D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056979
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10244.4 lumens
Efficiency: N/A
Efficacy: 137.3 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: General Diffuse

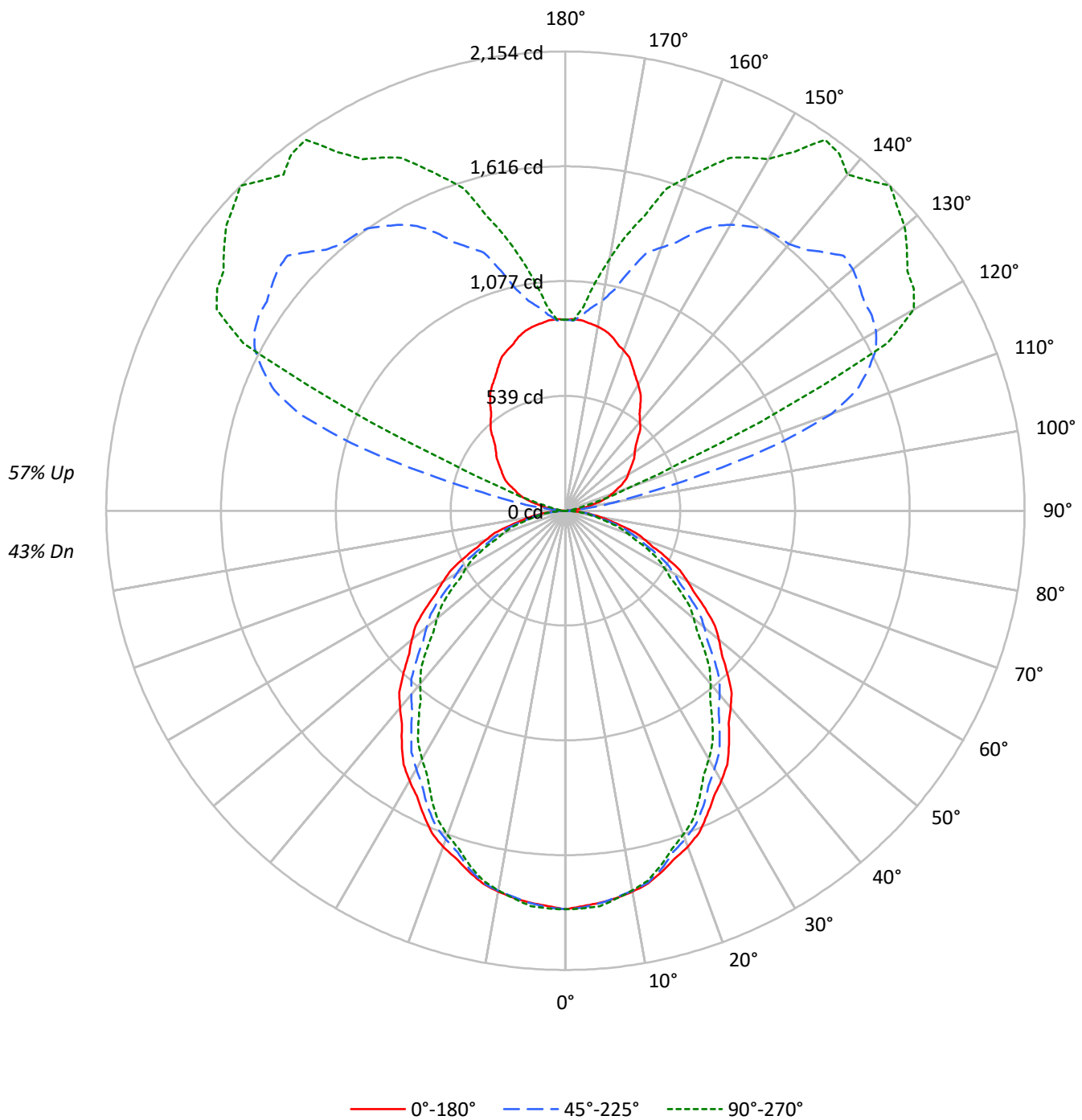
Input Watts (W): 74.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1056979

CATALOG NUMBER: CB2-B-055U-055D-840-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



TEST NUMBER: P1056979

CATALOG NUMBER: CB2-B-055U-055D-840-1D-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°	16277	16277	16277
5°	16138	16164	16277
10°	16047	16009	15996
15°	15793	15689	15561
20°	15544	15199	14988
25°	15126	14701	14288
30°	14708	14060	13527
35°	14226	13404	12765
40°	13715	12788	12039
45°	13201	12143	11333
50°	12738	11517	10645
55°	12168	10865	9995
60°	11516	10245	9348
65°	10823	9555	8700
70°	10058	8782	7870
75°	9149	7944	7127
80°	8180	6961	6459
85°	6295	5715	4716

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13201 cd/sqm

TEST NUMBER: P1056979

CATALOG NUMBER: CB2-B-055U-055D-840-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	1.7
10°-20°	489.9	4.8
20°-30°	704.5	6.9
30°-40°	791.8	7.7
40°-50°	764.9	7.5
50°-60°	646.3	6.3
60°-70°	464.2	4.5
70°-80°	253.7	2.5
80°-90°	67.4	0.7
90°-100°	67.1	0.7
100°-110°	415.7	4.1
110°-120°	1048.2	10.2
120°-130°	1260.0	12.3
130°-140°	1142.4	11.2
140°-150°	911.0	8.9
150°-160°	621.4	6.1
160°-170°	328.7	3.2
170°-180°	91.5	0.9
0°-30°	1370.2	13.4
0°-40°	2162.0	21.1
0°-60°	3573.1	34.9
0°-90°	4358.4	42.5
90°-120°	1531.0	14.9
90°-150°	4844.5	47.3
90°-180°	5886.0	57.5
0°-180°	10244.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1869	1869	1869	1869	1869	
5°	1846	1871	1849	1849	1862	175
15°	1752	1767	1740	1723	1726	494
25°	1574	1576	1530	1495	1487	725
35°	1338	1323	1261	1212	1201	836
45°	1072	1050	986	934	920	828
55°	801	772	716	671	658	716
65°	525	506	464	431	422	521
75°	272	255	236	217	212	291
85°	63	59	57	50	47	75
90°	0	0	0	0	0	4
95°	35	88	27	19	19	44
105°	170	476	687	172	116	178
115°	293	648	1568	1459	1112	288
125°	382	786	1710	1946	1958	342
135°	479	871	1714	2007	2154	372
145°	614	916	1618	1950	2124	384
155°	745	934	1440	1736	1826	343
165°	846	925	1162	1368	1432	237
175°	896	907	923	939	958	85
180°	896	896	896	896	896	

TEST NUMBER: P1056979

CATALOG NUMBER: CB2-B-055U-055D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1869.0	1869.0	1869.0	1869.0	1869.0
2.5°	1856.4	1878.8	1862.2	1864.5	1867.9
5°	1846.1	1871.3	1849.0	1849.3	1861.9
7.5°	1833.0	1856.8	1828.7	1823.5	1835.3
10°	1814.6	1838.4	1810.4	1800.5	1808.9
12.5°	1790.6	1813.3	1786.3	1770.7	1778.0
15°	1751.7	1767.1	1740.2	1723.1	1725.9
17.5°	1709.3	1718.8	1680.1	1665.7	1662.9
20°	1677.3	1685.7	1640.0	1620.0	1617.2
22.5°	1636.0	1643.3	1595.4	1570.7	1566.8
25°	1574.2	1575.6	1529.9	1495.3	1486.9
27.5°	1509.5	1505.1	1454.3	1413.4	1402.5
30°	1462.6	1457.0	1398.2	1355.0	1345.2
32.5°	1412.2	1402.1	1343.2	1296.6	1286.9
35°	1338.1	1322.7	1260.8	1211.9	1200.7
37.5°	1259.1	1241.7	1181.0	1127.7	1115.1
40°	1206.4	1186.8	1124.9	1071.6	1059.0
42.5°	1153.8	1131.9	1068.8	1015.5	1001.8
45°	1071.9	1049.5	986.0	934.2	920.2
47.5°	994.0	965.5	903.9	852.3	838.3
50°	940.2	909.5	850.1	799.7	785.7
52.5°	885.3	853.4	796.3	748.2	734.2
55°	801.4	772.0	715.6	670.9	658.3
57.5°	718.4	690.2	638.6	595.9	583.6
60°	661.2	637.4	588.2	547.9	536.7
62.5°	606.2	584.7	537.8	500.9	489.7
65°	525.2	505.6	463.7	430.6	422.2
67.5°	446.5	426.9	393.0	363.3	353.8
70°	395.0	375.4	344.9	317.5	309.1
72.5°	345.8	325.0	300.2	275.2	269.0
75°	271.9	255.1	236.1	217.4	211.8
77.5°	206.7	190.4	176.6	163.4	162.0
80°	163.1	149.2	138.8	130.2	128.8
82.5°	121.9	111.3	104.5	98.2	97.9
85°	63.0	58.8	57.2	50.0	47.2
87.5°	18.3	18.3	16.0	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.3	15.3	6.2	6.2	6.2
95°	34.8	87.6	27.0	19.3	19.3
97.5°	72.6	210.0	146.0	39.3	34.0
100°	100.4	304.3	251.0	57.7	46.3
102.5°	128.2	386.4	396.2	91.4	71.0
105°	169.9	475.7	687.3	172.5	115.8
107.5°	210.8	534.0	1053.3	355.9	214.7
110°	235.5	567.8	1328.2	554.8	332.1

TEST NUMBER: P1056979

CATALOG NUMBER: CB2-B-055U-055D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	260.2	601.5	1479.6	889.4	573.0
115°	293.4	648.3	1567.6	1459.3	1112.0
117.5°	321.2	691.2	1643.3	1804.7	1702.8
120°	339.8	724.9	1683.5	1854.1	1888.1
122.5°	358.3	749.4	1705.1	1873.3	1937.5
125°	382.3	786.2	1710.5	1946.3	1957.6
127.5°	406.2	813.9	1736.0	2013.3	2018.6
130°	424.7	832.5	1760.7	2035.8	2077.3
132.5°	446.3	848.0	1769.9	2048.6	2111.3
135°	478.8	871.4	1714.3	2007.3	2154.5
137.5°	519.7	888.2	1661.1	2006.1	2101.2
140°	544.4	891.8	1633.3	2050.4	2058.0
142.5°	572.2	901.4	1627.1	2045.6	2110.5
145°	613.9	915.9	1617.8	1950.0	2123.6
147.5°	655.6	925.2	1582.3	1844.4	1996.2
150°	683.4	928.8	1548.3	1809.2	1903.5
152.5°	711.2	932.5	1505.1	1787.2	1866.5
155°	745.2	934.0	1440.2	1735.7	1826.3
157.5°	780.7	929.5	1362.2	1641.7	1740.6
160°	799.3	923.8	1312.8	1573.5	1660.3
162.5°	817.8	921.2	1269.5	1484.2	1586.2
165°	845.6	924.9	1162.2	1368.3	1432.5
167.5°	864.1	921.5	1061.8	1230.7	1321.3
170°	876.5	921.8	1000.0	1125.3	1200.8
172.5°	885.7	906.9	963.0	1029.0	1080.3
175°	895.8	907.1	922.8	938.7	957.6
177.5°	898.9	904.9	892.7	889.7	895.8
180°	895.8	895.8	895.8	895.8	895.8

(END OF REPORT)