

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: P1056977

Luminaire Tested: CB2-B-055U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056977
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9516.6 lumens
Efficiency: N/A
Efficacy: 127.6 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

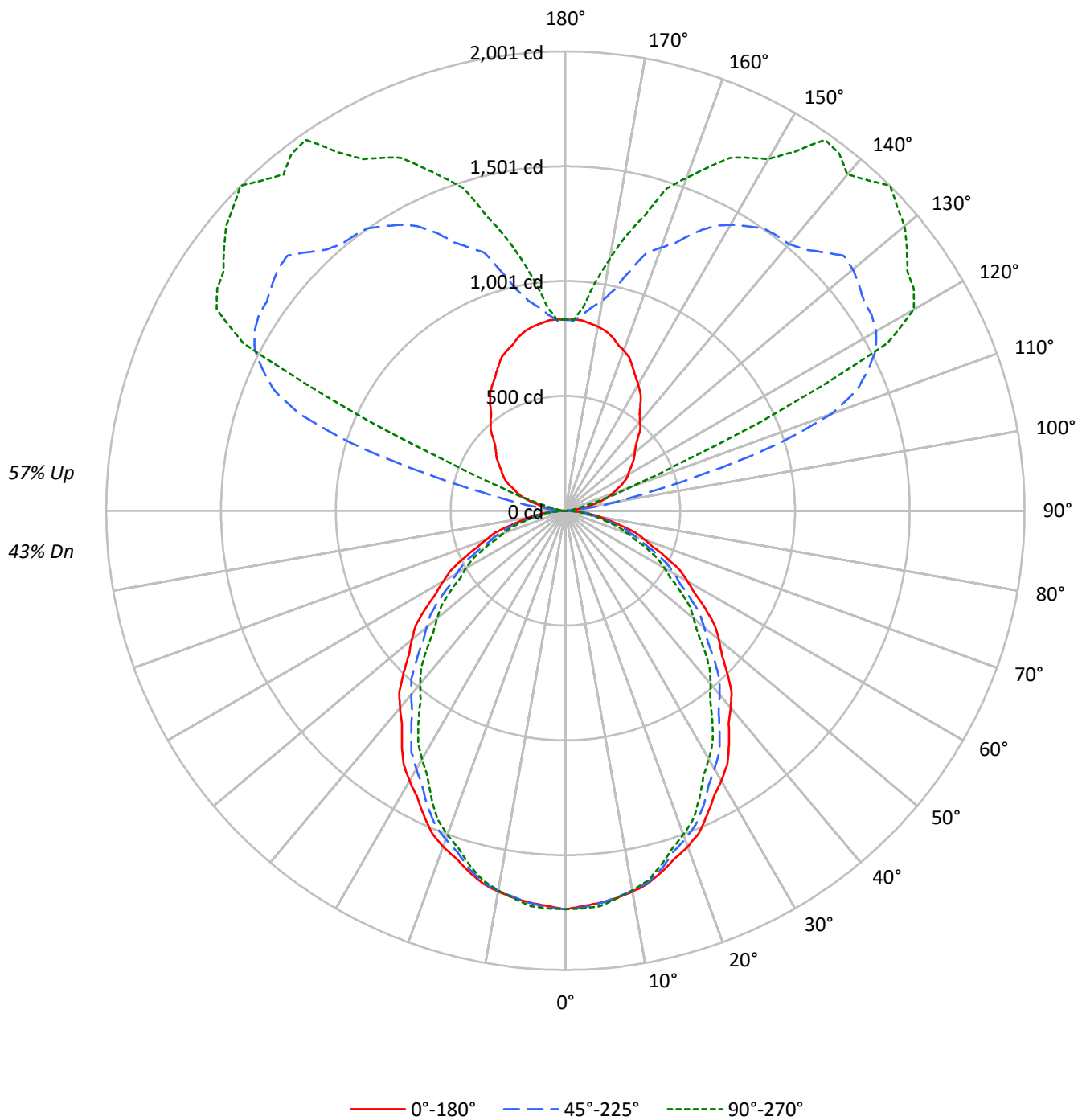
Input Watts (W): 74.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	15120	15120	15120
5°	14992	15015	15120
10°	14907	14871	14860
15°	14671	14575	14455
20°	14440	14119	13923
25°	14052	13656	13273
30°	13663	13062	12567
35°	13215	12451	11858
40°	12741	11879	11184
45°	12263	11281	10528
50°	11833	10699	9889
55°	11304	10092	9284
60°	10698	9517	8683
65°	10054	8875	8082
70°	9342	8158	7313
75°	8499	7382	6622
80°	7603	6470	5998
85°	5845	5316	4387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	1.7
10°-20°	455.1	4.8
20°-30°	654.4	6.9
30°-40°	735.5	7.7
40°-50°	710.5	7.5
50°-60°	600.3	6.3
60°-70°	431.2	4.5
70°-80°	235.7	2.5
80°-90°	62.6	0.7
90°-100°	62.3	0.7
100°-110°	386.1	4.1
110°-120°	973.7	10.2
120°-130°	1170.5	12.3
130°-140°	1061.3	11.2
140°-150°	846.3	8.9
150°-160°	577.3	6.1
160°-170°	305.3	3.2
170°-180°	85.0	0.9
0°-30°	1272.8	13.4
0°-40°	2008.4	21.1
0°-60°	3319.2	34.9
0°-90°	4048.7	42.5
90°-120°	1422.2	14.9
90°-150°	4500.3	47.3
90°-180°	5468.0	57.5
0°-180°	9516.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1736	1736	1736	1736	1736	
5°	1715	1738	1718	1718	1730	163
15°	1627	1642	1617	1601	1603	459
25°	1462	1464	1421	1389	1381	673
35°	1243	1229	1171	1126	1115	776
45°	996	975	916	868	855	769
55°	744	717	665	623	612	666
65°	488	470	431	400	392	484
75°	253	237	219	202	197	270
85°	58	55	53	46	44	70
90°	0	0	0	0	0	4
95°	32	81	25	18	18	41
105°	158	442	638	160	108	166
115°	273	602	1456	1356	1033	267
125°	355	730	1589	1808	1818	318
135°	445	810	1592	1865	2001	346
145°	570	851	1503	1811	1973	357
155°	692	868	1338	1612	1697	319
165°	786	859	1080	1271	1331	220
175°	832	843	857	872	890	79
180°	832	832	832	832	832	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1736.2	1736.2	1736.2	1736.2	1736.2
2.5°	1724.5	1745.3	1729.9	1732.1	1735.2
5°	1715.0	1738.4	1717.6	1717.9	1729.6
7.5°	1702.7	1724.8	1698.7	1693.9	1704.9
10°	1685.7	1707.8	1681.7	1672.6	1680.4
12.5°	1663.4	1684.4	1659.4	1644.9	1651.7
15°	1627.2	1641.5	1616.6	1600.7	1603.3
17.5°	1587.9	1596.7	1560.8	1547.4	1544.8
20°	1558.1	1565.9	1523.5	1504.9	1502.3
22.5°	1519.8	1526.6	1482.1	1459.1	1455.5
25°	1462.4	1463.7	1421.2	1389.1	1381.3
27.5°	1402.3	1398.1	1351.0	1313.0	1302.8
30°	1358.7	1353.5	1298.9	1258.8	1249.7
32.5°	1311.9	1302.5	1247.8	1204.5	1195.4
35°	1243.0	1228.7	1171.2	1125.8	1115.4
37.5°	1169.6	1153.5	1097.0	1047.6	1035.9
40°	1120.7	1102.5	1044.9	995.5	983.8
42.5°	1071.8	1051.5	992.8	943.3	930.6
45°	995.7	974.9	916.0	867.8	854.8
47.5°	923.4	896.9	839.7	791.8	778.8
50°	873.4	844.8	789.7	742.9	729.9
52.5°	822.4	792.7	739.7	695.0	682.0
55°	744.5	717.2	664.7	623.2	611.5
57.5°	667.4	641.1	593.2	553.6	542.1
60°	614.2	592.1	546.4	508.9	498.5
62.5°	563.1	543.1	499.6	465.3	454.9
65°	487.9	469.7	430.7	400.0	392.2
67.5°	414.8	396.6	365.1	337.5	328.6
70°	366.9	348.7	320.4	295.0	287.2
72.5°	321.2	302.0	278.9	255.7	249.9
75°	252.6	237.0	219.4	202.0	196.8
77.5°	192.0	176.9	164.1	151.8	150.5
80°	151.6	138.6	129.0	120.9	119.6
82.5°	113.3	103.4	97.0	91.2	90.9
85°	58.5	54.6	53.2	46.5	43.9
87.5°	17.0	17.0	14.9	12.8	12.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	8.6	14.2	5.7	5.7	5.7
95°	32.3	81.4	25.1	17.9	17.9
97.5°	67.4	195.1	135.6	36.5	31.6
100°	93.3	282.6	233.1	53.6	43.0
102.5°	119.1	359.0	368.0	84.9	66.0
105°	157.8	441.9	638.5	160.2	107.6
107.5°	195.8	496.0	978.5	330.6	199.4
110°	218.8	527.4	1233.9	515.4	308.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	241.8	558.8	1374.5	826.2	532.3
115°	272.6	602.3	1456.2	1355.7	1033.0
117.5°	298.4	642.1	1526.5	1676.5	1581.8
120°	315.6	673.4	1563.9	1722.4	1754.0
122.5°	332.9	696.2	1583.9	1740.2	1799.9
125°	355.1	730.4	1589.0	1808.0	1818.5
127.5°	377.3	756.1	1612.6	1870.3	1875.2
130°	394.5	773.3	1635.6	1891.1	1929.7
132.5°	414.6	787.8	1644.2	1903.1	1961.3
135°	444.8	809.5	1592.5	1864.7	2001.4
137.5°	482.8	825.1	1543.0	1863.6	1951.9
140°	505.7	828.4	1517.2	1904.8	1911.8
142.5°	531.6	837.4	1511.5	1900.2	1960.6
145°	570.3	850.9	1502.9	1811.4	1972.7
147.5°	609.0	859.4	1469.9	1713.4	1854.4
150°	634.9	862.8	1438.3	1680.6	1768.3
152.5°	660.7	866.2	1398.1	1660.2	1733.9
155°	692.3	867.6	1337.9	1612.4	1696.6
157.5°	725.3	863.4	1265.4	1525.0	1616.9
160°	742.5	858.2	1219.5	1461.7	1542.3
162.5°	759.7	855.8	1179.3	1378.8	1473.5
165°	785.5	859.2	1079.6	1271.1	1330.7
167.5°	802.7	856.0	986.4	1143.2	1227.4
170°	814.2	856.3	929.0	1045.4	1115.5
172.5°	822.8	842.5	894.6	955.9	1003.6
175°	832.1	842.7	857.2	872.0	889.5
177.5°	835.0	840.6	829.3	826.5	832.1
180°	832.1	832.1	832.1	832.1	832.1

(END OF REPORT)