

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: P1057085

Luminaire Tested: CB3-B-055U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057085
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9203.5 lumens
Efficiency: N/A
Efficacy: 133.0 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

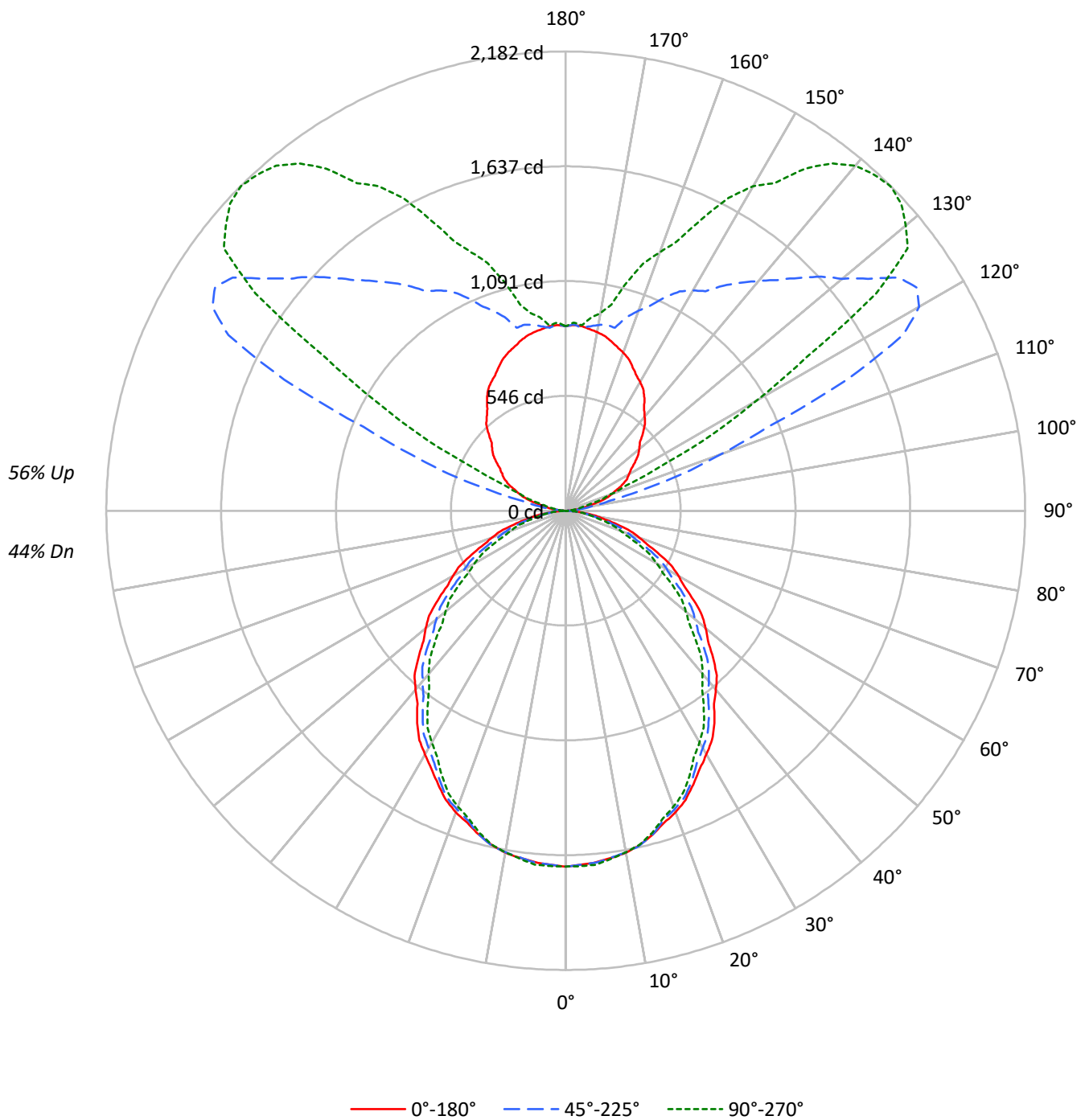
Input Watts (W): 69.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	9566	9566	9566
5°	9521	9528	9583
10°	9479	9465	9465
15°	9334	9334	9278
20°	9182	9088	9009
25°	8951	8838	8681
30°	8732	8505	8300
35°	8502	8187	7896
40°	8195	7805	7468
45°	7917	7466	7005
50°	7631	7061	6553
55°	7320	6668	6124
60°	6984	6264	5639
65°	6591	5804	5128
70°	6138	5265	4569
75°	5565	4621	4070
80°	4851	3874	3600
85°	3739	3271	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7917 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	1.7
10°-20°	448.2	4.9
20°-30°	651.2	7.1
30°-40°	740.4	8.0
40°-50°	718.8	7.8
50°-60°	606.8	6.6
60°-70°	431.8	4.7
70°-80°	230.7	2.5
80°-90°	60.9	0.7
90°-100°	59.3	0.6
100°-110°	310.6	3.4
110°-120°	781.8	8.5
120°-130°	1206.2	13.1
130°-140°	1104.2	12.0
140°-150°	814.9	8.9
150°-160°	519.5	5.6
160°-170°	273.5	3.0
170°-180°	85.1	0.9
0°-30°	1259.0	13.7
0°-40°	1999.4	21.7
0°-60°	3325.0	36.1
0°-90°	4048.4	44.0
90°-120°	1151.7	12.5
90°-150°	4277.0	46.5
90°-180°	5155.0	56.0
0°-180°	9203.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1691	1691	1691	1691	1691	
5°	1677	1698	1678	1676	1687	159
15°	1594	1608	1594	1584	1584	449
25°	1434	1439	1416	1397	1391	661
35°	1231	1219	1185	1150	1143	767
45°	990	974	933	888	876	763
55°	742	722	676	633	621	664
65°	492	475	434	395	383	488
75°	255	240	211	190	186	271
85°	58	53	50	50	50	68
90°	0	0	0	0	0	4
95°	31	88	35	19	19	39
105°	158	490	355	146	120	169
115°	301	614	1475	641	486	293
125°	402	620	1930	1946	1799	359
135°	517	691	1564	2132	2182	400
145°	652	754	1305	1815	1985	406
155°	753	810	1120	1386	1529	347
165°	834	857	900	1052	1124	235
175°	880	899	873	877	884	83
180°	876	876	876	876	876	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1691.0	1691.0	1691.0	1691.0	1691.0
2.5°	1682.3	1699.2	1684.2	1686.3	1690.0
5°	1676.6	1697.7	1677.8	1675.6	1687.4
7.5°	1663.6	1682.8	1662.1	1657.3	1667.9
10°	1650.1	1671.3	1647.7	1641.9	1647.7
12.5°	1626.1	1648.2	1629.5	1619.7	1624.7
15°	1593.7	1607.8	1593.7	1584.1	1584.1
17.5°	1554.1	1568.9	1542.3	1535.5	1532.9
20°	1525.2	1538.2	1509.6	1499.9	1496.4
22.5°	1486.8	1498.8	1475.0	1458.6	1454.1
25°	1434.0	1438.7	1415.9	1396.6	1390.7
27.5°	1380.9	1382.1	1350.9	1327.4	1319.6
30°	1336.7	1337.9	1301.9	1276.5	1270.6
32.5°	1292.5	1289.0	1254.8	1224.7	1220.7
35°	1231.0	1219.3	1185.4	1150.4	1143.3
37.5°	1156.8	1149.7	1109.7	1074.6	1064.1
40°	1109.7	1098.0	1056.9	1021.8	1011.2
42.5°	1062.6	1049.0	1006.9	968.0	956.5
45°	989.6	974.3	933.2	888.4	875.5
47.5°	916.1	899.4	854.1	810.8	796.5
50°	867.1	849.5	802.3	759.9	744.6
52.5°	817.1	798.6	751.3	708.1	695.6
55°	742.2	722.2	676.1	632.6	620.9
57.5°	667.3	647.5	601.7	560.5	546.4
60°	617.3	598.5	553.6	512.5	498.4
62.5°	566.4	548.5	504.6	464.5	451.3
65°	492.4	474.8	433.6	394.9	383.1
67.5°	419.1	404.1	363.4	327.9	318.5
70°	371.1	357.0	318.3	285.6	276.2
72.5°	325.0	310.0	273.1	245.3	238.8
75°	254.6	240.5	211.4	189.7	186.2
77.5°	190.2	178.7	153.5	141.2	139.3
80°	148.9	138.4	118.9	110.5	110.5
82.5°	110.5	101.8	89.1	85.5	85.5
85°	57.6	52.9	50.4	50.4	50.4
87.5°	17.3	17.3	16.3	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.3	21.3	6.2	3.2	6.2
95°	30.9	87.5	34.7	19.3	19.3
97.5°	64.1	195.5	89.6	47.8	43.2
100°	88.8	277.6	139.0	69.3	61.8
102.5°	116.6	359.7	210.0	93.9	80.3
105°	158.3	490.5	355.2	146.1	119.7
107.5°	204.6	579.9	585.3	225.3	181.5
110°	235.5	616.8	779.9	295.8	227.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	263.3	626.5	1039.4	403.3	311.2
115°	301.2	614.5	1474.9	641.3	486.5
117.5°	329.0	584.9	1805.4	1020.2	786.9
120°	347.5	585.3	1938.2	1306.8	1046.3
122.5°	369.1	588.8	1975.3	1591.5	1352.1
125°	401.5	620.5	1930.5	1946.5	1799.2
127.5°	434.0	643.9	1810.0	2092.4	2046.3
130°	455.6	659.5	1714.3	2142.1	2108.1
132.5°	477.2	675.0	1646.3	2143.3	2160.6
135°	517.4	691.0	1563.7	2132.4	2181.5
137.5°	558.3	710.8	1486.5	2064.9	2166.8
140°	583.0	726.5	1424.7	1991.8	2139.0
142.5°	610.8	739.2	1366.0	1924.0	2080.3
145°	652.5	754.4	1305.0	1814.7	1984.6
147.5°	684.9	762.7	1236.3	1704.4	1844.8
150°	706.6	763.2	1208.5	1606.3	1779.9
152.5°	725.1	778.7	1174.5	1516.3	1674.9
155°	752.9	809.5	1119.7	1385.5	1529.0
157.5°	780.7	835.1	1054.8	1287.9	1385.3
160°	799.2	844.5	1011.6	1240.8	1305.0
162.5°	814.7	853.9	965.3	1160.7	1234.0
165°	834.0	856.6	899.6	1051.8	1123.6
167.5°	851.7	863.1	905.0	945.0	1003.1
170°	861.0	872.3	895.8	934.8	953.7
172.5°	870.3	887.6	883.4	910.0	925.9
175°	880.3	899.2	872.6	876.6	884.2
177.5°	882.6	891.7	885.7	885.9	895.0
180°	876.4	876.4	876.4	876.4	876.4

(END OF REPORT)