

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: P1057087

Luminaire Tested: CB3-B-055U-055D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057087
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9907.3 lumens
Efficiency: N/A
Efficacy: 143.2 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

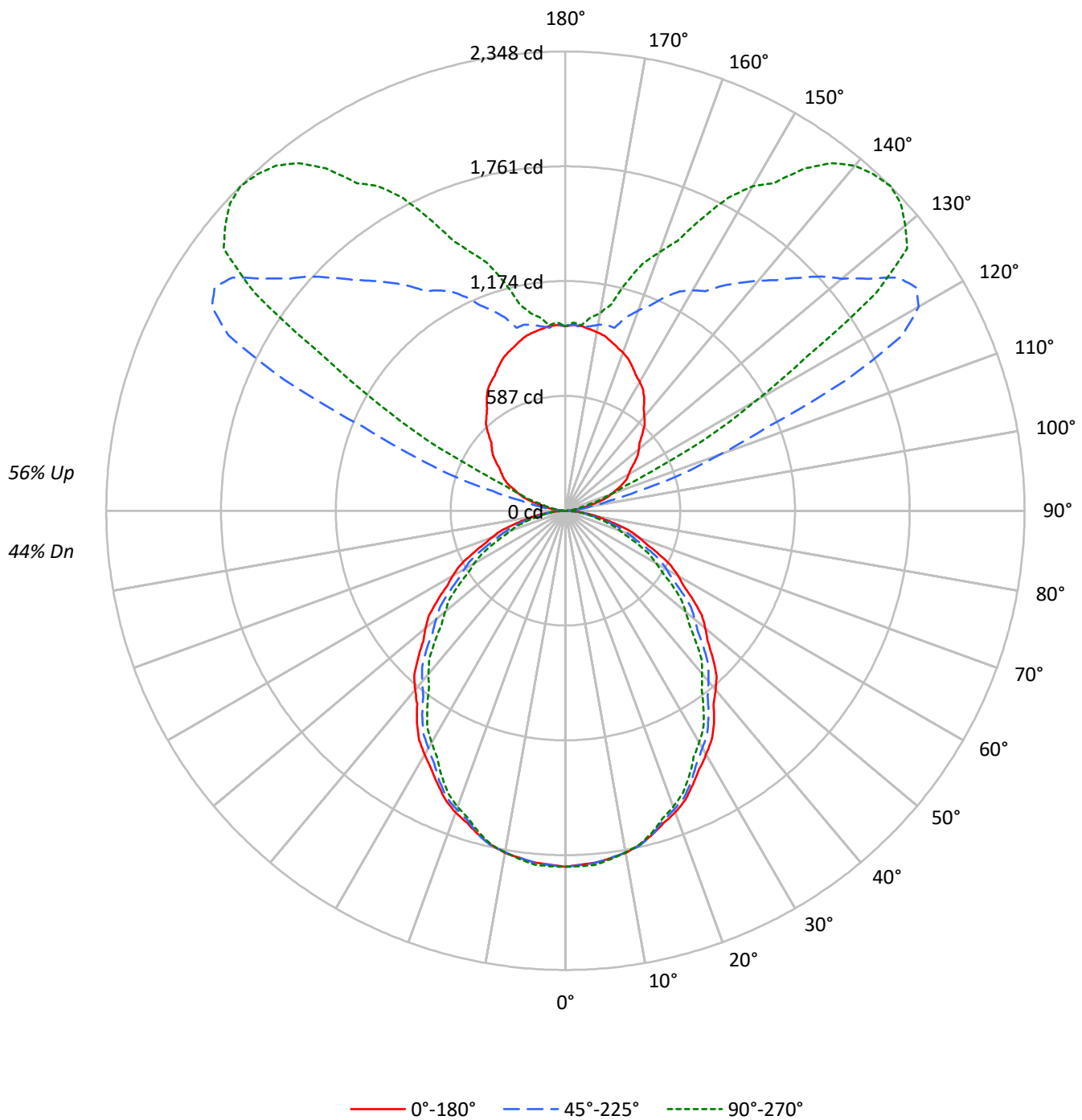
Input Watts (W): 69.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	10298	10298	10298
5°	10249	10257	10315
10°	10204	10190	10190
15°	10048	10048	9987
20°	9885	9784	9698
25°	9635	9514	9345
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8402	8039
45°	8523	8037	7541
50°	8215	7601	7055
55°	7881	7179	6593
60°	7519	6743	6070
65°	7096	6247	5521
70°	6608	5667	4918
75°	5991	4973	4380
80°	5222	4170	3874
85°	4031	3525	3525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	1.7
10°-20°	482.5	4.9
20°-30°	701.0	7.1
30°-40°	797.0	8.0
40°-50°	773.7	7.8
50°-60°	653.3	6.6
60°-70°	464.8	4.7
70°-80°	248.3	2.5
80°-90°	65.6	0.7
90°-100°	63.8	0.6
100°-110°	334.3	3.4
110°-120°	841.6	8.5
120°-130°	1298.4	13.1
130°-140°	1188.6	12.0
140°-150°	877.2	8.9
150°-160°	559.2	5.6
160°-170°	294.4	3.0
170°-180°	91.7	0.9
0°-30°	1355.3	13.7
0°-40°	2152.3	21.7
0°-60°	3579.3	36.1
0°-90°	4358.0	44.0
90°-120°	1239.8	12.5
90°-150°	4604.1	46.5
90°-180°	5549.0	56.0
0°-180°	9907.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1805	1828	1806	1804	1816	171
15°	1716	1731	1716	1705	1705	483
25°	1544	1549	1524	1503	1497	711
35°	1325	1312	1276	1238	1231	826
45°	1065	1049	1004	956	942	822
55°	799	778	728	681	668	714
65°	530	511	467	425	412	525
75°	274	259	228	204	200	292
85°	62	57	54	54	54	74
90°	0	0	0	0	0	4
95°	33	94	37	21	21	42
105°	170	528	382	157	129	182
115°	324	662	1588	690	524	316
125°	432	668	2078	2095	1937	387
135°	557	744	1683	2296	2348	430
145°	702	812	1405	1954	2136	437
155°	810	871	1205	1492	1646	374
165°	898	922	968	1132	1210	253
175°	948	968	939	944	952	90
180°	944	944	944	944	944	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1820.3	1820.3	1820.3	1820.3	1820.3
2.5°	1811.0	1829.2	1813.1	1815.2	1819.3
5°	1804.8	1827.5	1806.1	1803.8	1816.4
7.5°	1790.8	1811.6	1789.3	1784.1	1795.5
10°	1776.3	1799.1	1773.8	1767.4	1773.8
12.5°	1750.5	1774.2	1754.1	1743.6	1748.9
15°	1715.6	1730.7	1715.6	1705.2	1705.2
17.5°	1672.9	1688.8	1660.2	1652.9	1650.2
20°	1641.9	1655.8	1625.1	1614.7	1610.9
22.5°	1600.5	1613.4	1587.8	1570.2	1565.4
25°	1543.6	1548.7	1524.2	1503.4	1497.1
27.5°	1486.5	1487.8	1454.2	1428.9	1420.6
30°	1438.9	1440.2	1401.4	1374.1	1367.8
32.5°	1391.3	1387.5	1350.7	1318.3	1314.0
35°	1325.1	1312.5	1276.0	1238.4	1230.8
37.5°	1245.2	1237.7	1194.6	1156.8	1145.4
40°	1194.6	1181.9	1137.7	1099.9	1088.6
42.5°	1143.9	1129.2	1083.9	1042.0	1029.6
45°	1065.3	1048.9	1004.5	956.4	942.5
47.5°	986.2	968.2	919.5	872.8	857.4
50°	933.4	914.5	863.6	818.0	801.6
52.5°	879.6	859.7	808.8	762.2	748.8
55°	799.0	777.5	727.9	681.0	668.4
57.5°	718.3	697.1	647.7	603.4	588.2
60°	664.5	644.3	596.0	551.7	536.5
62.5°	609.7	590.5	543.2	500.0	485.8
65°	530.1	511.1	466.7	425.1	412.4
67.5°	451.2	435.0	391.2	353.0	342.9
70°	399.5	384.3	342.6	307.5	297.3
72.5°	349.8	333.7	294.0	264.1	257.0
75°	274.1	258.9	227.5	204.2	200.4
77.5°	204.8	192.4	165.2	152.0	150.0
80°	160.3	148.9	128.0	118.9	118.9
82.5°	118.9	109.6	95.9	92.0	92.0
85°	62.1	57.0	54.3	54.3	54.3
87.5°	18.6	18.6	17.6	16.5	16.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.0	23.0	6.7	3.4	6.7
95°	33.3	94.2	37.4	20.8	20.8
97.5°	69.0	210.4	96.4	51.4	46.6
100°	95.6	298.8	149.6	74.6	66.5
102.5°	125.5	387.2	226.1	101.1	86.5
105°	170.4	528.0	382.4	157.3	128.8
107.5°	220.3	624.2	630.1	242.5	195.3
110°	253.5	664.0	839.6	318.4	245.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	283.5	674.4	1118.9	434.2	335.0
115°	324.2	661.5	1587.7	690.3	523.7
117.5°	354.1	629.7	1943.5	1098.2	847.1
120°	374.1	630.1	2086.5	1406.8	1126.4
122.5°	397.3	633.9	2126.4	1713.2	1455.5
125°	432.3	668.0	2078.2	2095.3	1936.8
127.5°	467.2	693.1	1948.5	2252.4	2202.8
130°	490.4	709.9	1845.4	2305.9	2269.3
132.5°	513.7	726.7	1772.2	2307.2	2325.9
135°	556.9	743.9	1683.3	2295.5	2348.3
137.5°	601.0	765.2	1600.2	2222.8	2332.5
140°	627.6	782.0	1533.7	2144.1	2302.6
142.5°	657.5	795.7	1470.5	2071.2	2239.4
145°	702.4	812.1	1404.8	1953.5	2136.3
147.5°	737.3	821.0	1330.8	1834.7	1985.9
150°	760.6	821.6	1300.9	1729.1	1916.1
152.5°	780.6	838.3	1264.3	1632.3	1803.0
155°	810.5	871.4	1205.3	1491.5	1645.9
157.5°	840.4	898.9	1135.5	1386.4	1491.3
160°	860.4	909.1	1089.0	1335.7	1404.8
162.5°	877.0	919.2	1039.1	1249.5	1328.4
165°	897.8	922.1	968.4	1132.3	1209.5
167.5°	916.9	929.1	974.2	1017.2	1079.8
170°	926.9	939.0	964.3	1006.3	1026.6
172.5°	936.8	955.5	951.0	979.6	996.7
175°	947.6	968.0	939.3	943.7	951.8
177.5°	950.1	959.9	953.5	953.7	963.4
180°	943.5	943.5	943.5	943.5	943.5

(END OF REPORT)