

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: P1057084

Luminaire Tested: CB3-B-055U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057084
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-030D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 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: 7830.6 lumens
Efficiency: N/A
Efficacy: 147.2 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: Semi-Indirect

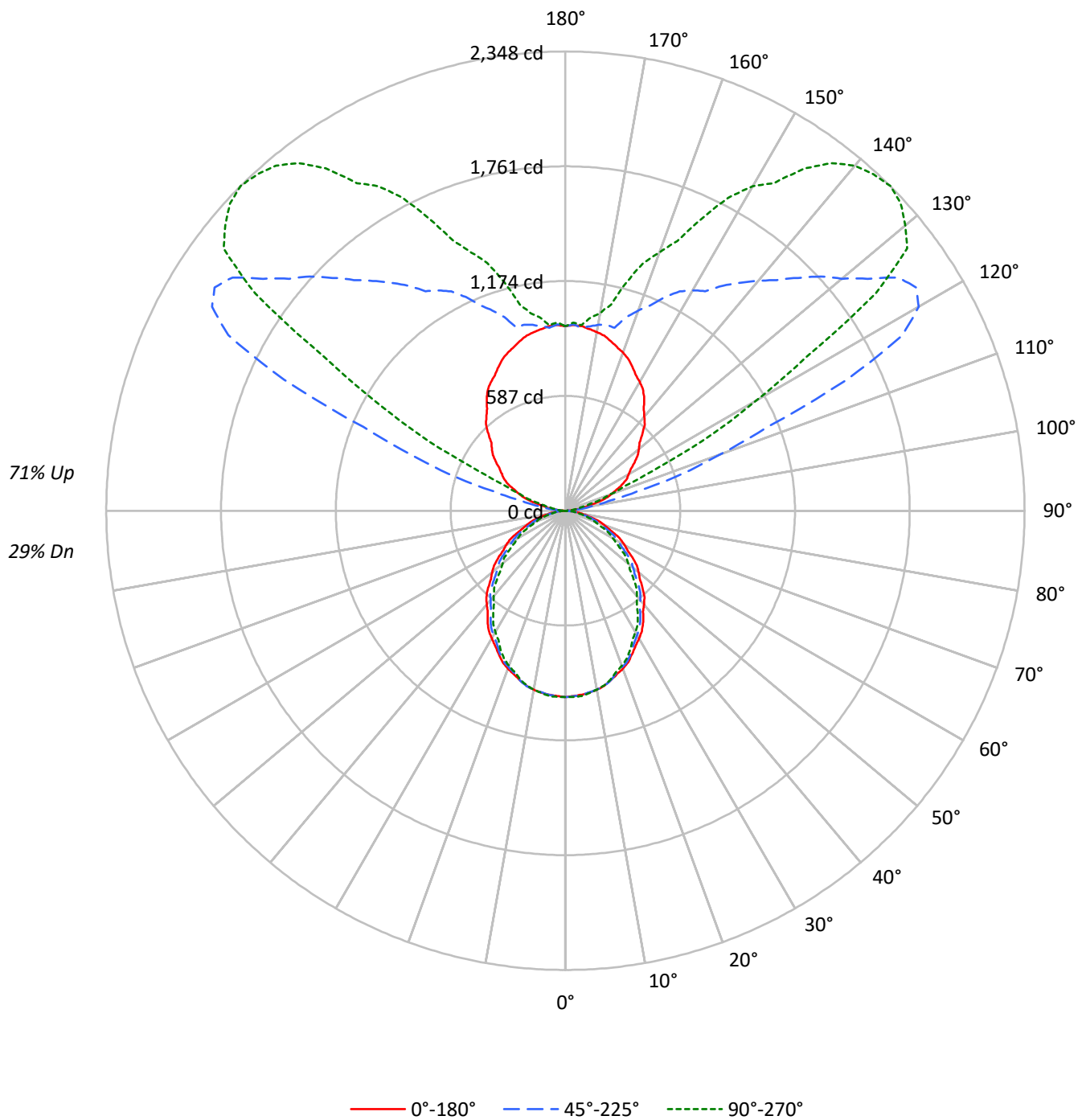
Input Watts (W): 53.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057084

CATALOG NUMBER: CB3-B-055U-030D-840-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



TEST NUMBER: P1057084

CATALOG NUMBER: CB3-B-055U-030D-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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	31
2	85	78	72	67	76	70	65	61	55	52	49	42	39	37	29	28	27
3	77	68	61	56	69	62	56	51	49	45	41	37	34	32	26	24	23
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	20
5	65	54	46	40	58	49	42	37	39	34	30	29	26	24	21	19	17
6	60	48	40	35	53	44	37	32	35	30	26	27	23	21	19	17	15
7	55	43	36	30	49	39	33	28	31	27	23	24	21	18	17	15	13
8	51	39	32	27	46	36	29	25	29	24	20	22	19	16	16	14	12
9	47	36	29	24	43	32	26	22	26	21	18	20	17	14	15	12	11
10	44	33	26	21	40	30	24	19	24	19	16	19	15	13	14	11	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5391	5391	5391
5°	5365	5369	5399
10°	5341	5334	5334
15°	5259	5259	5228
20°	5174	5122	5076
25°	5044	4981	4892
30°	4920	4792	4677
35°	4791	4613	4450
40°	4618	4398	4208
45°	4461	4207	3947
50°	4300	3979	3693
55°	4125	3758	3451
60°	3935	3530	3177
65°	3715	3270	2890
70°	3459	2966	2575
75°	3137	2603	2293
80°	2733	2183	2030
85°	2110	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4461 cd/sqm

TEST NUMBER: P1057084

CATALOG NUMBER: CB3-B-055U-030D-840-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	1.1
10°-20°	252.6	3.2
20°-30°	367.0	4.7
30°-40°	417.2	5.3
40°-50°	405.0	5.2
50°-60°	342.0	4.4
60°-70°	243.3	3.1
70°-80°	130.0	1.7
80°-90°	34.3	0.4
90°-100°	63.8	0.8
100°-110°	334.3	4.3
110°-120°	841.6	10.7
120°-130°	1298.4	16.6
130°-140°	1188.6	15.2
140°-150°	877.2	11.2
150°-160°	559.2	7.1
160°-170°	294.4	3.8
170°-180°	91.7	1.2
0°-30°	709.4	9.1
0°-40°	1126.7	14.4
0°-60°	1873.6	23.9
0°-90°	2281.3	29.1
90°-120°	1239.8	15.8
90°-150°	4604.1	58.8
90°-180°	5549.0	70.9
0°-180°	7830.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	945	957	945	944	951	90
15°	898	906	898	893	893	253
25°	808	811	798	787	784	372
35°	694	687	668	648	644	432
45°	558	549	526	501	493	430
55°	418	407	381	356	350	374
65°	278	268	244	222	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	38
90°	0	0	0	0	0	3
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	

TEST NUMBER: P1057084

CATALOG NUMBER: CB3-B-055U-030D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	952.9	952.9	952.9	952.9	952.9
2.5°	948.0	957.5	949.1	950.2	952.3
5°	944.7	956.6	945.4	944.2	950.8
7.5°	937.4	948.3	936.6	933.9	939.9
10°	929.8	941.8	928.5	925.2	928.5
12.5°	916.3	928.7	918.2	912.7	915.5
15°	898.0	906.0	898.0	892.6	892.6
17.5°	875.7	884.0	869.1	865.3	863.8
20°	859.5	866.7	850.7	845.2	843.2
22.5°	837.8	844.6	831.2	821.9	819.4
25°	808.0	810.7	797.9	787.0	783.7
27.5°	778.1	778.8	761.2	748.0	743.6
30°	753.2	753.9	733.6	719.3	716.0
32.5°	728.3	726.3	707.1	690.1	687.8
35°	693.7	687.0	667.9	648.2	644.3
37.5°	651.8	647.9	625.3	605.5	599.6
40°	625.3	618.7	595.5	575.8	569.8
42.5°	598.8	591.1	567.4	545.4	539.0
45°	557.6	549.0	525.8	500.6	493.3
47.5°	516.2	506.8	481.3	456.9	448.8
50°	488.6	478.7	452.1	428.2	419.6
52.5°	460.5	450.0	423.4	399.0	392.0
55°	418.2	407.0	381.0	356.5	349.9
57.5°	376.0	364.9	339.0	315.9	307.9
60°	347.8	337.3	312.0	288.8	280.8
62.5°	319.2	309.1	284.4	261.7	254.3
65°	277.5	267.5	244.3	222.5	215.9
67.5°	236.2	227.7	204.8	184.8	179.5
70°	209.1	201.2	179.3	160.9	155.7
72.5°	183.1	174.7	153.9	138.2	134.5
75°	143.5	135.5	119.1	106.9	104.9
77.5°	107.2	100.7	86.5	79.6	78.5
80°	83.9	78.0	67.0	62.3	62.3
82.5°	62.3	57.4	50.2	48.2	48.2
85°	32.5	29.8	28.4	28.4	28.4
87.5°	9.7	9.7	9.2	8.7	8.7
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

TEST NUMBER: P1057084

CATALOG NUMBER: CB3-B-055U-030D-840-1D-UNV-STD-W-8

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)