

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: P1057083

Luminaire Tested: CB3-B-055U-030D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057083
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-835-1D-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7936.4 lumens
Efficiency: N/A
Efficacy: 149.2 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

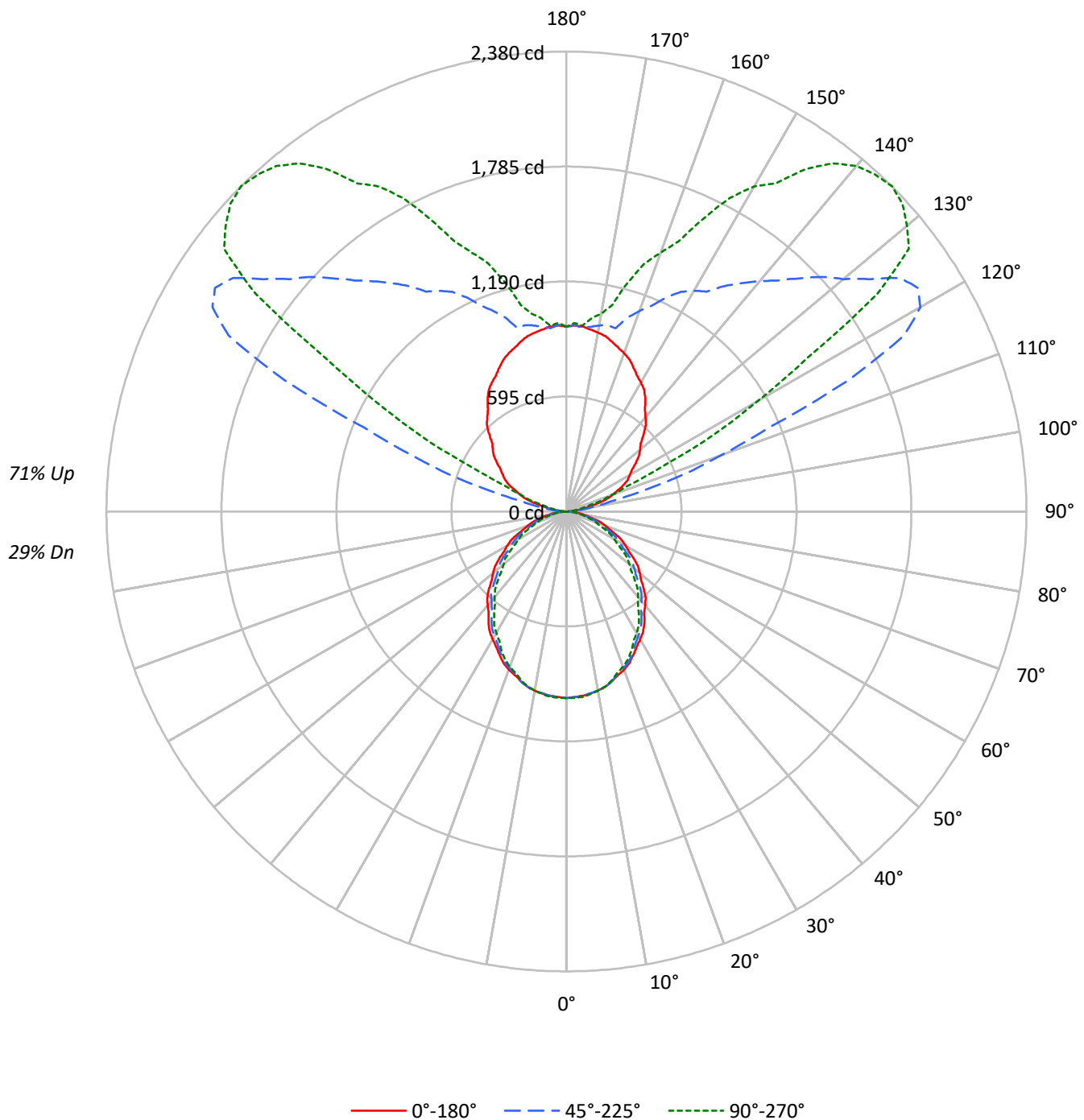
Input Watts (W): 53.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057083

CATALOG NUMBER: CB3-B-055U-030D-835-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



TEST NUMBER: P1057083

CATALOG NUMBER: CB3-B-055U-030D-835-1D-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°	5463	5463	5463
5°	5438	5442	5473
10°	5414	5406	5406
15°	5331	5331	5299
20°	5244	5191	5145
25°	5112	5048	4958
30°	4987	4857	4741
35°	4855	4676	4510
40°	4681	4458	4265
45°	4522	4264	4000
50°	4358	4033	3742
55°	4181	3809	3497
60°	3988	3578	3220
65°	3764	3314	2929
70°	3505	3007	2610
75°	3178	2638	2324
80°	2769	2212	2056
85°	2136	1869	1869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4522 cd/sqm

TEST NUMBER: P1057083

CATALOG NUMBER: CB3-B-055U-030D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.1
10°-20°	256.0	3.2
20°-30°	371.9	4.7
30°-40°	422.9	5.3
40°-50°	410.5	5.2
50°-60°	346.6	4.4
60°-70°	246.6	3.1
70°-80°	131.7	1.7
80°-90°	34.8	0.4
90°-100°	64.7	0.8
100°-110°	338.9	4.3
110°-120°	853.0	10.7
120°-130°	1316.0	16.6
130°-140°	1204.7	15.2
140°-150°	889.1	11.2
150°-160°	566.8	7.1
160°-170°	298.4	3.8
170°-180°	92.9	1.2
0°-30°	719.0	9.1
0°-40°	1141.9	14.4
0°-60°	1899.0	23.9
0°-90°	2312.1	29.1
90°-120°	1256.5	15.8
90°-150°	4666.3	58.8
90°-180°	5624.0	70.9
0°-180°	7936.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	958	970	958	957	964	91
15°	910	918	910	905	905	256
25°	819	822	809	798	794	377
35°	703	696	677	657	653	438
45°	565	556	533	507	500	436
55°	424	412	386	361	355	379
65°	281	271	248	226	219	279
75°	145	137	121	108	106	155
85°	33	30	29	29	29	39
90°	0	0	0	0	0	3
95°	34	96	38	21	21	43
105°	173	535	388	159	131	185
115°	329	670	1609	700	531	320
125°	438	677	2106	2124	1963	392
135°	564	754	1706	2326	2380	436
145°	712	823	1424	1980	2165	443
155°	821	883	1222	1512	1668	379
165°	910	935	982	1148	1226	256
175°	960	981	952	956	965	91
180°	956	956	956	956	956	

TEST NUMBER: P1057083

CATALOG NUMBER: CB3-B-055U-030D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	965.7	965.7	965.7	965.7	965.7
2.5°	960.8	970.4	961.9	963.0	965.2
5°	957.5	969.6	958.2	957.0	963.7
7.5°	950.1	961.1	949.3	946.5	952.6
10°	942.4	954.5	941.0	937.7	941.0
12.5°	928.7	941.3	930.6	925.0	927.9
15°	910.2	918.2	910.2	904.7	904.7
17.5°	887.5	896.0	880.8	876.9	875.5
20°	871.1	878.5	862.2	856.6	854.6
22.5°	849.1	856.0	842.4	833.0	830.5
25°	818.9	821.6	808.7	797.6	794.3
27.5°	788.6	789.3	771.5	758.1	753.7
30°	763.4	764.1	743.5	729.0	725.7
32.5°	738.2	736.1	716.6	699.4	697.1
35°	703.0	696.3	677.0	657.0	653.0
37.5°	660.6	656.6	633.8	613.7	607.7
40°	633.8	627.1	603.6	583.6	577.5
42.5°	606.9	599.1	575.0	552.8	546.2
45°	565.2	556.5	532.9	507.4	500.0
47.5°	523.2	513.7	487.8	463.1	454.9
50°	495.2	485.2	458.2	434.0	425.2
52.5°	466.7	456.1	429.1	404.4	397.3
55°	423.9	412.5	386.2	361.3	354.6
57.5°	381.1	369.8	343.6	320.1	312.1
60°	352.5	341.8	316.2	292.7	284.6
62.5°	323.5	313.3	288.2	265.3	257.8
65°	281.2	271.2	247.6	225.5	218.8
67.5°	239.4	230.8	207.5	187.3	181.9
70°	211.9	203.9	181.8	163.1	157.8
72.5°	185.6	177.0	156.0	140.1	136.4
75°	145.4	137.4	120.7	108.3	106.3
77.5°	108.6	102.1	87.7	80.6	79.6
80°	85.0	79.0	67.9	63.1	63.1
82.5°	63.1	58.1	50.9	48.8	48.8
85°	32.9	30.2	28.8	28.8	28.8
87.5°	9.9	9.9	9.3	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.1	23.3	6.7	3.4	6.7
95°	33.7	95.5	37.9	21.1	21.1
97.5°	69.9	213.3	97.7	52.1	47.2
100°	96.9	302.8	151.6	75.6	67.4
102.5°	127.2	392.5	229.2	102.4	87.6
105°	172.7	535.2	387.5	159.4	130.6
107.5°	223.3	632.7	638.6	245.8	198.0
110°	257.0	673.0	850.9	322.7	248.5

TEST NUMBER: P1057083

CATALOG NUMBER: CB3-B-055U-030D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	287.3	683.5	1134.0	440.0	339.5
115°	328.6	670.4	1609.2	699.6	530.8
117.5°	358.9	638.2	1969.7	1113.0	858.5
120°	379.1	638.6	2114.7	1425.8	1141.6
122.5°	402.7	642.4	2155.1	1736.3	1475.2
125°	438.1	677.0	2106.2	2123.6	1963.0
127.5°	473.5	702.5	1974.8	2282.9	2232.6
130°	497.1	719.5	1870.3	2337.1	2300.0
132.5°	520.7	736.5	1796.2	2338.3	2357.3
135°	564.5	753.9	1706.0	2326.5	2380.0
137.5°	609.1	775.5	1621.8	2252.8	2364.0
140°	636.1	792.6	1554.4	2173.1	2333.7
142.5°	666.4	806.5	1490.4	2099.2	2269.7
145°	711.9	823.1	1423.8	1979.9	2165.2
147.5°	747.3	832.1	1348.8	1859.5	2012.7
150°	770.9	832.7	1318.5	1752.5	1941.9
152.5°	791.1	849.6	1281.4	1654.4	1827.4
155°	821.4	883.2	1221.6	1511.6	1668.1
157.5°	851.8	911.1	1150.8	1405.2	1511.4
160°	872.0	921.4	1103.7	1353.8	1423.8
162.5°	888.8	931.7	1053.1	1266.4	1346.3
165°	909.9	934.6	981.5	1147.6	1225.8
167.5°	929.3	941.6	987.4	1031.0	1094.4
170°	939.4	951.7	977.3	1019.9	1040.5
172.5°	949.5	968.4	963.8	992.8	1010.1
175°	960.4	981.0	952.0	956.4	964.7
177.5°	963.0	972.9	966.3	966.6	976.4
180°	956.2	956.2	956.2	956.2	956.2

(END OF REPORT)