

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: P1057082

Luminaire Tested: CB3-B-055U-030D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057082
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7274.2 lumens
Efficiency: N/A
Efficacy: 136.7 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

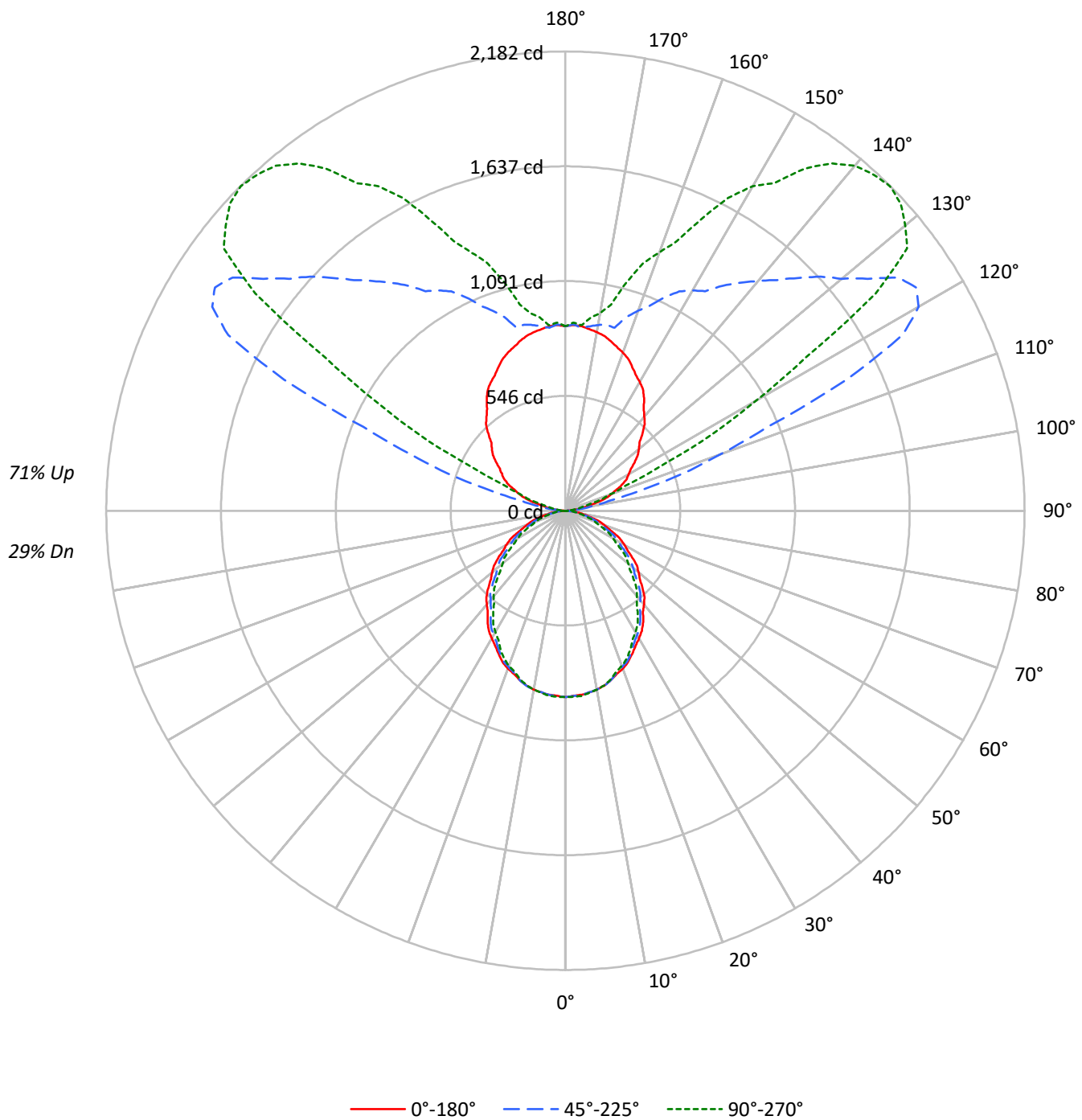
Input Watts (W): 53.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057082

CATALOG NUMBER: CB3-B-055U-030D-830-1D-UNV-STD-W-8

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	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°	5008	5008	5008
5°	4984	4987	5016
10°	4962	4955	4955
15°	4886	4886	4857
20°	4807	4757	4716
25°	4685	4627	4544
30°	4571	4452	4345
35°	4450	4285	4133
40°	4290	4085	3909
45°	4144	3908	3667
50°	3995	3696	3431
55°	3832	3491	3206
60°	3656	3279	2952
65°	3451	3037	2684
70°	3214	2756	2392
75°	2914	2418	2129
80°	2541	2026	1883
85°	1960	1714	1714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4144 cd/sqm

TEST NUMBER: P1057082

CATALOG NUMBER: CB3-B-055U-030D-830-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	1.1
10°-20°	234.6	3.2
20°-30°	340.9	4.7
30°-40°	387.6	5.3
40°-50°	376.2	5.2
50°-60°	317.7	4.4
60°-70°	226.0	3.1
70°-80°	120.7	1.7
80°-90°	31.9	0.4
90°-100°	59.3	0.8
100°-110°	310.6	4.3
110°-120°	781.8	10.7
120°-130°	1206.2	16.6
130°-140°	1104.2	15.2
140°-150°	814.9	11.2
150°-160°	519.5	7.1
160°-170°	273.5	3.8
170°-180°	85.1	1.2
0°-30°	659.0	9.1
0°-40°	1046.6	14.4
0°-60°	1740.5	23.9
0°-90°	2119.2	29.1
90°-120°	1151.7	15.8
90°-150°	4277.0	58.8
90°-180°	5155.0	70.9
0°-180°	7274.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	885	885	885	885	885	
5°	878	889	878	877	883	83
15°	834	842	834	829	829	235
25°	751	753	741	731	728	346
35°	644	638	620	602	598	402
45°	518	510	488	465	458	400
55°	388	378	354	331	325	347
65°	258	248	227	207	200	255
75°	133	126	111	99	97	142
85°	30	28	26	26	26	36
90°	0	0	0	0	0	3
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	

TEST NUMBER: P1057082

CATALOG NUMBER: CB3-B-055U-030D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	885.2	885.2	885.2	885.2	885.2
2.5°	880.6	889.5	881.6	882.7	884.7
5°	877.6	888.7	878.2	877.1	883.3
7.5°	870.8	880.9	870.1	867.6	873.1
10°	863.8	874.8	862.5	859.5	862.5
12.5°	851.2	862.8	853.0	847.9	850.5
15°	834.2	841.6	834.2	829.2	829.2
17.5°	813.5	821.2	807.3	803.8	802.4
20°	798.4	805.2	790.2	785.2	783.3
22.5°	778.3	784.6	772.1	763.5	761.2
25°	750.6	753.1	741.2	731.1	728.0
27.5°	722.8	723.5	707.1	694.8	690.8
30°	699.7	700.3	681.5	668.2	665.1
32.5°	676.6	674.7	656.8	641.1	639.0
35°	644.4	638.2	620.5	602.2	598.5
37.5°	605.5	601.8	580.9	562.5	557.0
40°	580.9	574.7	553.2	534.9	529.3
42.5°	556.2	549.1	527.1	506.7	500.7
45°	518.0	510.0	488.5	465.1	458.3
47.5°	479.5	470.8	447.1	424.4	416.9
50°	453.9	444.7	419.9	397.8	389.8
52.5°	427.7	418.0	393.3	370.6	364.1
55°	388.5	378.1	353.9	331.2	325.0
57.5°	349.3	339.0	315.0	293.4	286.0
60°	323.1	313.3	289.8	268.3	260.9
62.5°	296.5	287.1	264.2	243.1	236.3
65°	257.8	248.5	226.9	206.7	200.5
67.5°	219.4	211.5	190.2	171.6	166.7
70°	194.3	186.9	166.6	149.5	144.6
72.5°	170.1	162.2	143.0	128.4	125.0
75°	133.3	125.9	110.6	99.3	97.4
77.5°	99.6	93.6	80.3	73.9	72.9
80°	78.0	72.4	62.2	57.8	57.8
82.5°	57.8	53.3	46.6	44.8	44.8
85°	30.2	27.7	26.4	26.4	26.4
87.5°	9.1	9.1	8.5	8.0	8.0
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

TEST NUMBER: P1057082

CATALOG NUMBER: CB3-B-055U-030D-830-1D-UNV-STD-W-8

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)