

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: P1057092

Luminaire Tested: CB3-B-055U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057092
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-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 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: 15221.7 lumens
Efficiency: N/A
Efficacy: 134.3 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-Direct

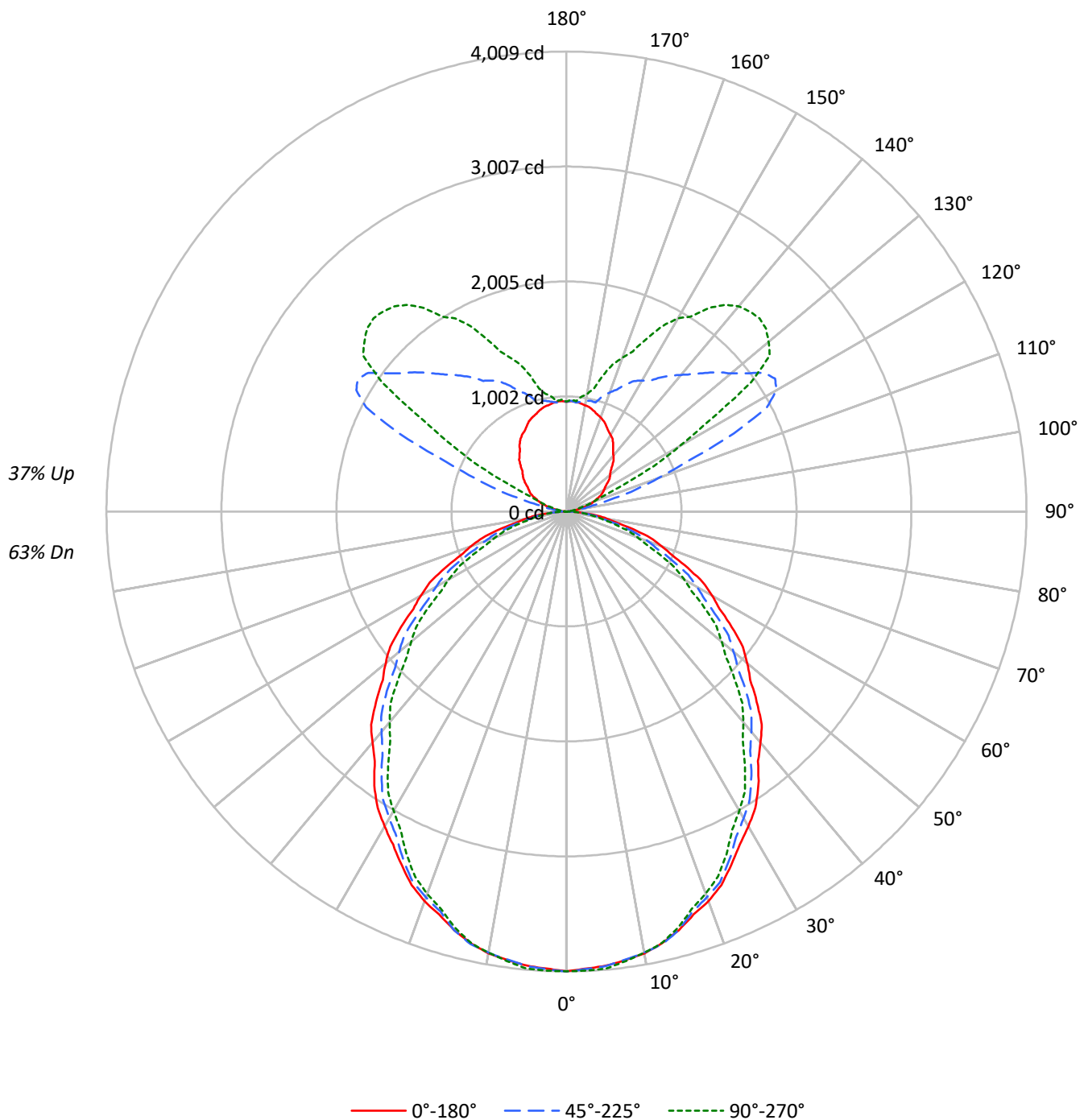
Input Watts (W): 113.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																		
0	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	101	97	93	89	95	91	87	84	80	77	75	70	68	66	61	59	58	54
2	92	85	78	73	86	80	74	70	70	66	62	62	58	56	54	51	49	45
3	84	75	67	61	79	70	64	58	62	57	53	55	51	47	48	45	42	39
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	43	39	36	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32	29
6	66	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28	26
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	32	28	25	23
8	56	44	36	31	53	42	35	30	37	31	27	33	29	25	30	26	23	20
9	53	40	33	28	49	38	31	27	34	29	24	31	26	23	27	23	21	18
10	49	37	30	25	46	35	28	24	32	26	22	29	24	20	25	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22678	22678	22678
5°	22571	22587	22717
10°	22472	22439	22439
15°	22128	22128	21994
20°	21768	21546	21357
25°	21219	20953	20580
30°	20700	20161	19677
35°	20155	19407	18719
40°	19428	18503	17704
45°	18769	17699	16605
50°	18092	16739	15536
55°	17354	15810	14519
60°	16558	14850	13368
65°	15626	13758	12157
70°	14553	12480	10831
75°	13194	10953	9646
80°	11500	9184	8532
85°	8873	7763	7763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.2	2.5
10°-20°	1062.6	7.0
20°-30°	1543.8	10.1
30°-40°	1755.3	11.5
40°-50°	1704.0	11.2
50°-60°	1438.6	9.5
60°-70°	1023.5	6.7
70°-80°	546.9	3.6
80°-90°	144.5	0.9
90°-100°	64.7	0.4
100°-110°	338.9	2.2
110°-120°	853.0	5.6
120°-130°	1316.0	8.6
130°-140°	1204.7	7.9
140°-150°	889.1	5.8
150°-160°	566.8	3.7
160°-170°	298.4	2.0
170°-180°	92.9	0.6
0°-30°	2984.7	19.6
0°-40°	4739.9	31.1
0°-60°	7882.5	51.8
0°-90°	9597.4	63.1
90°-120°	1256.5	8.3
90°-150°	4666.3	30.7
90°-180°	5624.0	36.9
0°-180°	15221.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4009	4009	4009	4009	4009	
5°	3975	4025	3977	3972	4000	377
15°	3778	3812	3778	3755	3755	1064
25°	3399	3411	3357	3311	3297	1566
35°	2918	2890	2810	2727	2710	1819
45°	2346	2310	2212	2106	2076	1810
55°	1760	1712	1603	1500	1472	1573
65°	1167	1126	1028	936	908	1156
75°	604	570	501	450	441	643
85°	137	126	120	120	120	162
90°	0	0	0	0	0	7
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4008.7	4008.7	4008.7	4008.7	4008.7
2.5°	3988.2	4028.3	3992.8	3997.5	4006.4
5°	3974.6	4024.7	3977.4	3972.3	4000.2
7.5°	3943.8	3989.5	3940.4	3929.0	3954.1
10°	3911.9	3962.0	3906.2	3892.3	3906.2
12.5°	3855.0	3907.3	3862.9	3839.9	3851.6
15°	3778.1	3811.5	3778.1	3755.3	3755.3
17.5°	3684.2	3719.2	3656.2	3640.2	3634.0
20°	3615.8	3646.4	3578.8	3555.8	3547.5
22.5°	3524.7	3553.1	3496.8	3457.9	3447.3
25°	3399.4	3410.6	3356.7	3310.9	3296.9
27.5°	3273.6	3276.4	3202.4	3146.8	3128.4
30°	3168.8	3171.6	3086.3	3026.2	3012.2
32.5°	3064.1	3055.7	2974.7	2903.3	2893.8
35°	2918.3	2890.4	2810.1	2727.1	2710.4
37.5°	2742.3	2725.6	2630.7	2547.6	2522.5
40°	2630.7	2602.9	2505.5	2422.3	2397.3
42.5°	2519.1	2486.8	2387.0	2294.7	2267.4
45°	2346.0	2309.8	2212.2	2106.2	2075.5
47.5°	2171.8	2132.2	2024.9	1922.2	1888.2
50°	2055.6	2013.9	1901.9	1801.4	1765.2
52.5°	1937.2	1893.2	1781.1	1678.6	1649.0
55°	1759.5	1712.2	1602.9	1499.8	1472.0
57.5°	1581.9	1535.1	1426.4	1328.8	1295.4
60°	1463.4	1418.9	1312.5	1215.0	1181.5
62.5°	1342.7	1300.4	1196.4	1101.1	1069.9
65°	1167.3	1125.6	1027.8	936.1	908.2
67.5°	993.6	958.0	861.5	777.3	755.1
70°	879.8	846.3	754.5	677.1	654.8
72.5°	770.4	734.8	647.4	581.6	566.0
75°	603.6	570.2	501.1	449.7	441.3
77.5°	451.0	423.7	363.9	334.7	330.3
80°	353.0	328.0	281.9	261.9	261.9
82.5°	261.9	241.3	211.3	202.7	202.7
85°	136.7	125.5	119.6	119.6	119.6
87.5°	41.0	41.0	38.7	36.4	36.4
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

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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)