

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: P1057091

Luminaire Tested: CB3-B-055U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057091
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13951.7 lumens
Efficiency: N/A
Efficacy: 123.1 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

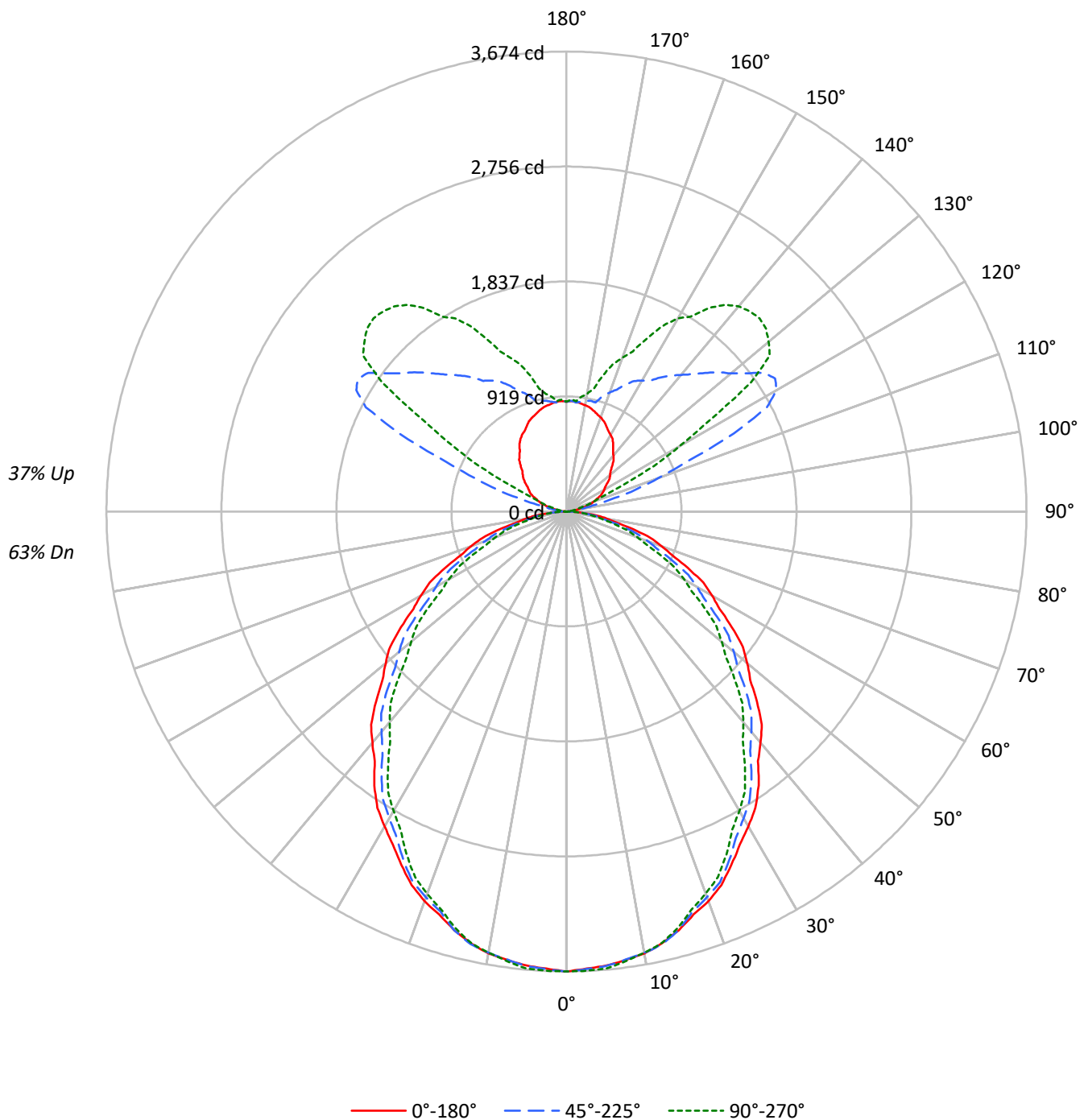
Input Watts (W): 113.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	20787	20787	20787
5°	20688	20703	20821
10°	20597	20567	20567
15°	20282	20282	20159
20°	19952	19748	19575
25°	19449	19205	18863
30°	18973	18479	18036
35°	18473	17788	17157
40°	17807	16959	16227
45°	17204	16222	15220
50°	16582	15342	14239
55°	15906	14491	13306
60°	15176	13611	12254
65°	14322	12611	11144
70°	13339	11438	9928
75°	12092	10039	8842
80°	10543	8415	7822
85°	8133	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17204 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	2.5
10°-20°	974.0	7.0
20°-30°	1415.0	10.1
30°-40°	1608.8	11.5
40°-50°	1561.8	11.2
50°-60°	1318.6	9.5
60°-70°	938.2	6.7
70°-80°	501.2	3.6
80°-90°	132.4	0.9
90°-100°	59.3	0.4
100°-110°	310.6	2.2
110°-120°	781.8	5.6
120°-130°	1206.2	8.6
130°-140°	1104.2	7.9
140°-150°	814.9	5.8
150°-160°	519.5	3.7
160°-170°	273.5	2.0
170°-180°	85.1	0.6
0°-30°	2735.7	19.6
0°-40°	4344.5	31.1
0°-60°	7224.8	51.8
0°-90°	8796.7	63.1
90°-120°	1151.7	8.3
90°-150°	4277.0	30.7
90°-180°	5155.0	36.9
0°-180°	13951.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3674	3674	3674	3674	3674	
5°	3643	3689	3646	3641	3666	346
15°	3463	3494	3463	3442	3442	975
25°	3116	3126	3077	3035	3022	1436
35°	2675	2649	2576	2500	2484	1667
45°	2150	2117	2028	1930	1902	1659
55°	1613	1569	1469	1375	1349	1442
65°	1070	1032	942	858	832	1060
75°	553	523	459	412	404	590
85°	125	115	110	110	110	148
90°	0	0	0	0	0	6
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3674.3	3674.3	3674.3	3674.3	3674.3
2.5°	3655.5	3692.2	3659.7	3664.0	3672.2
5°	3643.0	3688.9	3645.6	3640.9	3666.4
7.5°	3614.8	3656.6	3611.6	3601.2	3624.2
10°	3585.5	3631.5	3580.3	3567.6	3580.3
12.5°	3533.4	3581.3	3540.7	3519.5	3530.2
15°	3462.9	3493.5	3462.9	3442.0	3442.0
17.5°	3376.8	3408.9	3351.2	3336.5	3330.9
20°	3314.1	3342.2	3280.2	3259.2	3251.5
22.5°	3230.6	3256.7	3205.1	3169.4	3159.7
25°	3115.8	3126.0	3076.7	3034.6	3021.9
27.5°	3000.5	3003.0	2935.2	2884.2	2867.4
30°	2904.4	2907.0	2828.8	2773.7	2760.9
32.5°	2808.4	2800.8	2726.5	2661.0	2652.4
35°	2674.8	2649.3	2575.6	2499.6	2484.3
37.5°	2513.5	2498.2	2411.2	2335.0	2312.1
40°	2411.2	2385.7	2296.4	2220.2	2197.3
42.5°	2308.9	2279.3	2187.9	2103.3	2078.3
45°	2150.3	2117.1	2027.6	1930.4	1902.4
47.5°	1990.6	1954.3	1855.9	1761.8	1730.7
50°	1884.1	1845.8	1743.2	1651.1	1617.9
52.5°	1775.5	1735.2	1632.5	1538.5	1511.5
55°	1612.7	1569.3	1469.2	1374.7	1349.1
57.5°	1449.9	1407.0	1307.4	1218.0	1187.4
60°	1341.3	1300.5	1203.0	1113.6	1083.0
62.5°	1230.7	1191.9	1096.5	1009.3	980.7
65°	1069.9	1031.6	942.1	858.0	832.5
67.5°	910.7	878.1	789.7	712.5	692.1
70°	806.4	775.7	691.5	620.6	600.2
72.5°	706.1	673.5	593.4	533.1	518.8
75°	553.2	522.6	459.3	412.1	404.5
77.5°	413.4	388.3	333.5	306.8	302.7
80°	323.6	300.6	258.3	240.1	240.1
82.5°	240.1	221.2	193.6	185.8	185.8
85°	125.3	115.1	109.6	109.6	109.6
87.5°	37.6	37.6	35.5	33.4	33.4
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

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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)