

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: P1057078

Luminaire Tested: CB3-B-030U-085D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057078
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-030U-085D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9526.5 lumens
Efficiency: N/A
Efficacy: 136.3 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

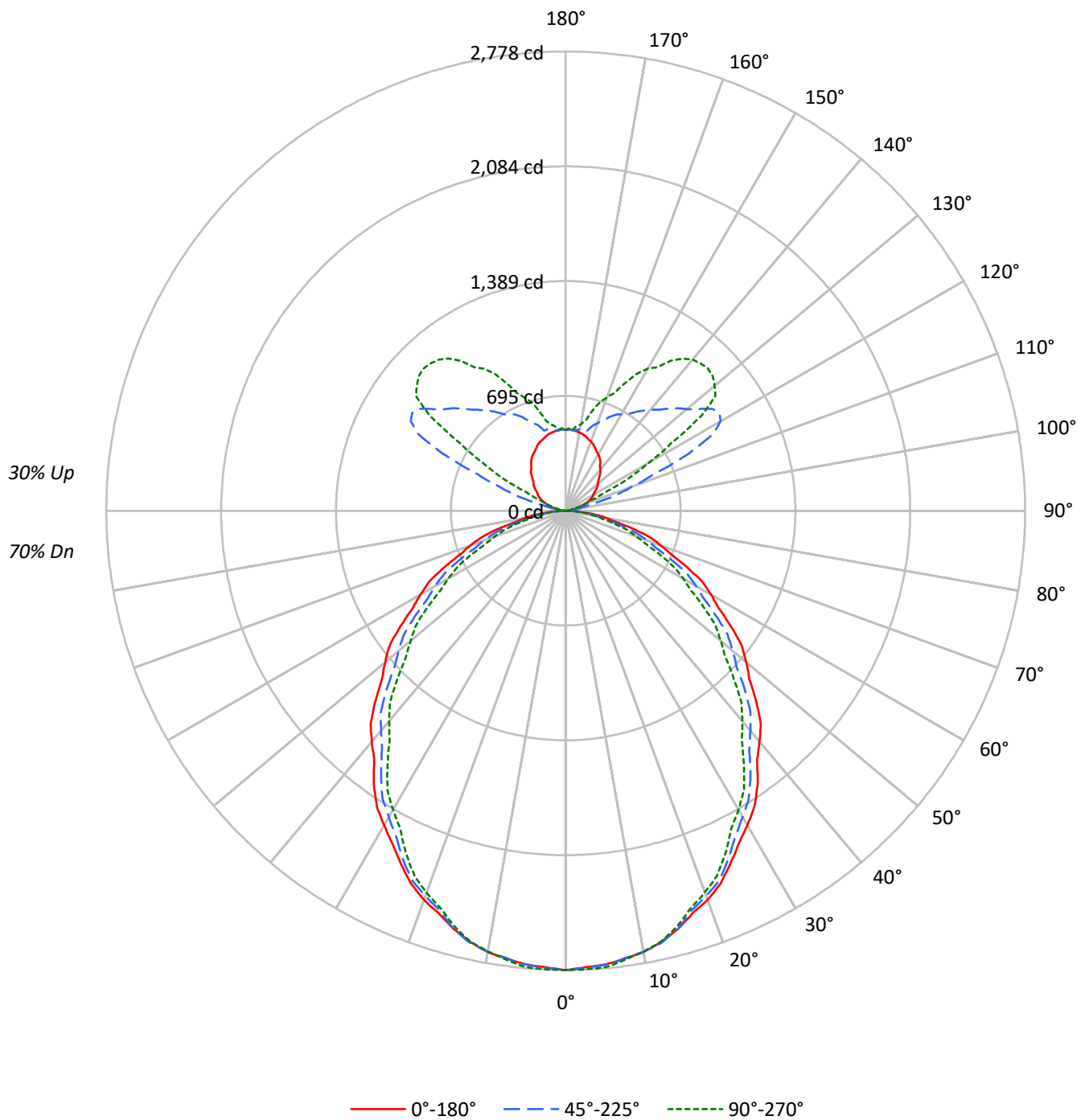
Input Watts (W): 69.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RCR																	
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74
1	102	98	94	91	97	93	90	86	83	81	78	74	72	71	66	65	63
2	94	86	80	75	88	82	76	71	73	69	65	66	62	59	59	56	54
3	86	76	68	62	81	72	65	60	65	60	55	58	54	50	52	49	46
4	78	67	59	53	74	64	57	51	58	52	47	52	47	44	47	43	40
5	72	60	52	46	68	57	50	44	52	46	41	47	42	38	42	38	35
6	67	54	46	40	63	52	44	39	47	41	36	43	37	33	38	34	31
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	35	31	28
8	57	45	37	31	54	43	36	31	39	33	29	36	30	27	32	28	25
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	22
10	50	38	30	26	48	36	29	25	33	27	23	30	25	22	28	24	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15719	15719	15719
5°	15644	15656	15745
10°	15576	15553	15553
15°	15337	15337	15244
20°	15088	14933	14803
25°	14708	14523	14264
30°	14347	13974	13638
35°	13969	13451	12974
40°	13466	12824	12271
45°	13009	12267	11510
50°	12539	11602	10768
55°	12028	10958	10062
60°	11476	10293	9266
65°	10831	9536	8427
70°	10087	8649	7508
75°	9143	7591	6686
80°	7972	6366	5913
85°	6147	5381	5381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.2	2.8
10°-20°	736.5	7.7
20°-30°	1070.0	11.2
30°-40°	1216.6	12.8
40°-50°	1181.0	12.4
50°-60°	997.1	10.5
60°-70°	709.4	7.4
70°-80°	379.0	4.0
80°-90°	100.1	1.1
90°-100°	33.0	0.3
100°-110°	173.2	1.8
110°-120°	436.0	4.6
120°-130°	672.6	7.1
130°-140°	615.7	6.5
140°-150°	454.4	4.8
150°-160°	289.7	3.0
160°-170°	152.5	1.6
170°-180°	47.5	0.5
0°-30°	2068.7	21.7
0°-40°	3285.3	34.5
0°-60°	5463.4	57.3
0°-90°	6652.0	69.8
90°-120°	642.2	6.7
90°-150°	2384.9	25.0
90°-180°	2875.0	30.2
0°-180°	9526.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2778	2778	2778	2778	2778	
5°	2755	2790	2757	2753	2772	261
15°	2619	2642	2619	2603	2603	738
25°	2356	2364	2327	2295	2285	1086
35°	2023	2003	1948	1890	1879	1260
45°	1626	1601	1533	1460	1439	1254
55°	1220	1187	1111	1040	1020	1090
65°	809	780	712	649	630	801
75°	418	395	347	312	306	446
85°	95	87	83	83	83	112
90°	0	0	0	0	0	5
95°	17	49	19	11	11	22
105°	88	274	198	82	67	94
115°	168	343	822	358	271	164
125°	224	346	1076	1085	1003	200
135°	288	385	872	1189	1216	223
145°	364	421	728	1012	1107	226
155°	420	451	624	773	853	194
165°	465	478	502	586	626	131
175°	491	501	487	489	493	46
180°	489	489	489	489	489	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2778.5	2778.5	2778.5	2778.5	2778.5
2.5°	2764.3	2792.0	2767.4	2770.7	2776.9
5°	2754.8	2789.5	2756.8	2753.2	2772.5
7.5°	2733.5	2765.1	2731.1	2723.2	2740.6
10°	2711.4	2746.1	2707.4	2697.8	2707.4
12.5°	2671.9	2708.2	2677.4	2661.4	2669.5
15°	2618.6	2641.8	2618.6	2602.8	2602.8
17.5°	2553.5	2577.8	2534.2	2523.0	2518.8
20°	2506.1	2527.4	2480.5	2464.6	2458.8
22.5°	2443.0	2462.7	2423.7	2396.6	2389.3
25°	2356.2	2363.9	2326.6	2294.8	2285.1
27.5°	2268.9	2270.9	2219.6	2181.0	2168.3
30°	2196.3	2198.3	2139.1	2097.4	2087.8
32.5°	2123.7	2117.9	2061.7	2012.3	2005.7
35°	2022.7	2003.4	1947.7	1890.2	1878.6
37.5°	1900.7	1889.1	1823.4	1765.7	1748.4
40°	1823.4	1804.1	1736.5	1678.9	1661.6
42.5°	1746.0	1723.6	1654.4	1590.5	1571.6
45°	1626.0	1600.9	1533.3	1459.8	1438.6
47.5°	1505.3	1477.9	1403.4	1332.3	1308.7
50°	1424.7	1395.8	1318.2	1248.6	1223.5
52.5°	1342.7	1312.2	1234.5	1163.4	1143.0
55°	1219.5	1186.7	1111.0	1039.5	1020.2
57.5°	1096.4	1064.0	988.6	921.0	897.9
60°	1014.3	983.4	909.7	842.1	818.9
62.5°	930.6	901.3	829.2	763.2	741.6
65°	809.1	780.1	712.4	648.8	629.5
67.5°	688.7	664.0	597.1	538.8	523.3
70°	609.8	586.6	522.9	469.3	453.9
72.5°	534.0	509.3	448.7	403.1	392.3
75°	418.3	395.2	347.3	311.7	305.9
77.5°	312.6	293.7	252.2	232.0	228.9
80°	244.7	227.3	195.4	181.5	181.5
82.5°	181.5	167.3	146.4	140.5	140.5
85°	94.7	87.0	82.9	82.9	82.9
87.5°	28.4	28.4	26.8	25.3	25.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.2	11.9	3.4	1.8	3.4
95°	17.2	48.8	19.4	10.8	10.8
97.5°	35.7	109.0	49.9	26.6	24.1
100°	49.5	154.8	77.5	38.7	34.4
102.5°	65.0	200.6	117.1	52.4	44.8
105°	88.3	273.5	198.1	81.5	66.7
107.5°	114.1	323.4	326.4	125.6	101.2
110°	131.3	343.9	434.9	164.9	127.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	146.8	349.3	579.6	224.9	173.5
115°	167.9	342.7	822.4	357.6	271.3
117.5°	183.4	326.2	1006.7	568.9	438.8
120°	193.8	326.4	1080.8	728.7	583.4
122.5°	205.8	328.3	1101.4	887.4	754.0
125°	223.9	346.0	1076.5	1085.4	1003.3
127.5°	242.0	359.0	1009.3	1166.7	1141.1
130°	254.0	367.7	955.9	1194.5	1175.5
132.5°	266.1	376.4	918.0	1195.1	1204.8
135°	288.5	385.3	871.9	1189.1	1216.4
137.5°	311.3	396.4	828.9	1151.4	1208.2
140°	325.1	405.1	794.4	1110.6	1192.7
142.5°	340.6	412.2	761.7	1072.9	1160.0
145°	363.8	420.7	727.7	1011.9	1106.6
147.5°	381.9	425.3	689.4	950.4	1028.7
150°	394.0	425.6	673.9	895.7	992.5
152.5°	404.3	434.2	654.9	845.5	933.9
155°	419.8	451.4	624.4	772.6	852.6
157.5°	435.3	465.6	588.2	718.2	772.5
160°	445.7	470.9	564.1	691.9	727.7
162.5°	454.3	476.2	538.2	647.2	688.1
165°	465.0	477.7	501.6	586.5	626.5
167.5°	474.9	481.3	504.7	526.9	559.3
170°	480.1	486.4	499.5	521.3	531.8
172.5°	485.3	495.0	492.6	507.4	516.3
175°	490.9	501.4	486.6	488.8	493.0
177.5°	492.2	497.2	493.9	494.0	499.1
180°	488.7	488.7	488.7	488.7	488.7

(END OF REPORT)