

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: P1056972

Luminaire Tested: CB2-B-030U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056972
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-030U-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12688.2 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

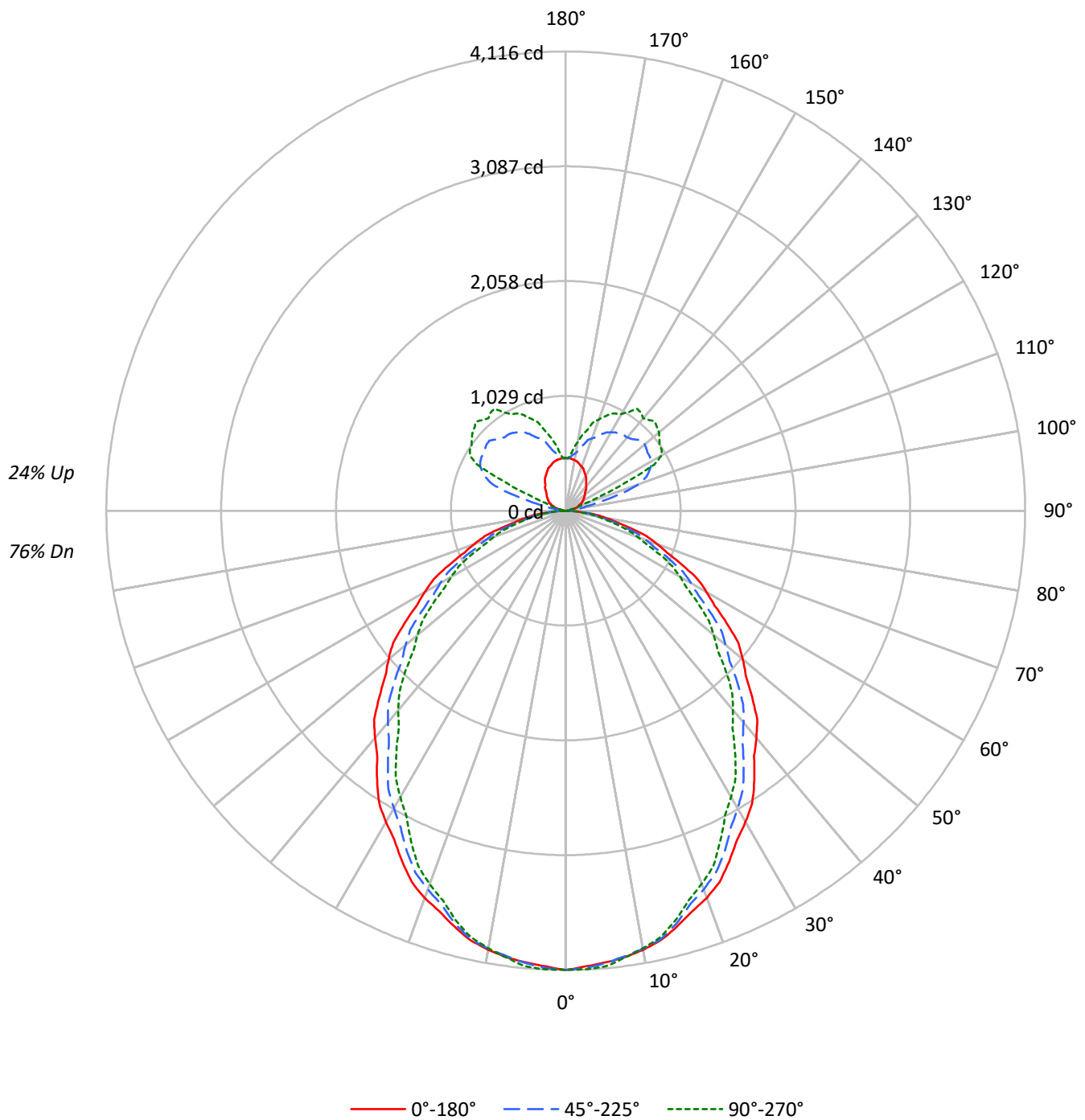
Input Watts (W): 106.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80
1	104	99	95	92	99	95	91	88	86	83	81	78	76	74	71	69	68
2	95	87	81	76	90	83	78	73	76	71	68	69	66	62	63	60	58
3	87	77	69	63	82	74	67	61	67	62	57	61	57	53	56	52	49
4	80	68	60	54	75	66	58	52	60	54	49	55	50	46	50	46	43
5	73	61	53	47	70	59	51	45	54	48	43	49	44	40	45	41	38
6	68	55	47	41	64	53	45	40	49	42	38	45	40	35	41	37	33
7	63	50	42	36	60	48	41	35	45	38	33	41	36	32	38	33	30
8	58	46	38	32	56	44	37	31	41	34	30	38	32	28	35	30	27
9	55	42	34	29	52	40	33	28	38	31	27	35	29	26	32	28	24
10	51	39	31	26	49	37	30	26	35	29	25	32	27	23	30	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35845	35845	35845
5°	35541	35596	35845
10°	35339	35255	35228
15°	34780	34552	34268
20°	34232	33473	33005
25°	33312	32374	31465
30°	32390	30963	29791
35°	31328	29519	28111
40°	30203	28162	26513
45°	29073	26744	24958
50°	28053	25364	23441
55°	26797	23926	22012
60°	25361	22561	20586
65°	23833	21041	19158
70°	22150	19339	17335
75°	20148	17497	15693
80°	18019	15331	14223
85°	13859	12600	10392

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29073 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.1	3.1
10°-20°	1079.0	8.5
20°-30°	1551.4	12.2
30°-40°	1743.7	13.7
40°-50°	1684.4	13.3
50°-60°	1423.2	11.2
60°-70°	1022.3	8.1
70°-80°	558.7	4.4
80°-90°	148.4	1.2
90°-100°	35.2	0.3
100°-110°	218.2	1.7
110°-120°	550.3	4.3
120°-130°	661.5	5.2
130°-140°	599.8	4.7
140°-150°	478.3	3.8
150°-160°	326.2	2.6
160°-170°	172.5	1.4
170°-180°	48.0	0.4
0°-30°	3017.4	23.8
0°-40°	4761.1	37.5
0°-60°	7868.8	62.0
0°-90°	9598.1	75.6
90°-120°	803.7	6.3
90°-150°	2543.3	20.0
90°-180°	3090.0	24.4
0°-180°	12688.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4116	4116	4116	4116	4116	
5°	4066	4121	4072	4072	4100	386
15°	3858	3892	3832	3795	3801	1087
25°	3467	3470	3369	3293	3274	1596
35°	2947	2913	2777	2669	2644	1841
45°	2361	2311	2172	2057	2026	1824
55°	1765	1700	1576	1478	1450	1578
65°	1157	1114	1021	948	930	1147
75°	599	562	520	479	466	641
85°	139	129	126	110	104	165
90°	0	0	0	0	0	6
95°	18	46	14	10	10	23
105°	89	250	361	90	61	94
115°	154	340	823	766	584	151
125°	201	413	898	1022	1028	180
135°	251	458	900	1054	1131	195
145°	322	481	849	1024	1115	202
155°	391	490	756	911	959	180
165°	444	486	610	718	752	125
175°	470	476	484	493	503	45
180°	470	470	470	470	470	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4116.0	4116.0	4116.0	4116.0	4116.0
2.5°	4088.3	4137.6	4100.9	4106.1	4113.5
5°	4065.6	4121.1	4071.9	4072.5	4100.3
7.5°	4036.6	4089.0	4027.2	4015.8	4041.7
10°	3996.3	4048.7	3986.8	3965.2	3983.7
12.5°	3943.3	3993.2	3933.9	3899.6	3915.6
15°	3857.6	3891.5	3832.4	3794.7	3800.9
17.5°	3764.3	3785.3	3700.0	3668.4	3662.2
20°	3693.7	3712.2	3611.8	3567.5	3561.3
22.5°	3602.9	3619.0	3513.4	3459.0	3450.4
25°	3466.8	3469.9	3369.1	3293.0	3274.5
27.5°	3324.3	3314.5	3202.7	3112.6	3088.6
30°	3221.0	3208.6	3079.1	2984.1	2962.5
32.5°	3110.0	3087.8	2958.1	2855.5	2833.9
35°	2946.8	2912.9	2776.6	2668.9	2644.2
37.5°	2772.8	2734.6	2600.7	2483.5	2455.8
40°	2656.8	2613.7	2477.2	2359.9	2332.2
42.5°	2540.8	2492.8	2353.6	2236.3	2206.1
45°	2360.6	2311.3	2171.5	2057.3	2026.5
47.5°	2189.1	2126.3	1990.6	1877.0	1846.2
50°	2070.6	2002.8	1872.1	1761.1	1730.2
52.5°	1949.6	1879.3	1753.6	1647.6	1616.8
55°	1764.9	1700.2	1575.8	1477.5	1449.8
57.5°	1582.1	1519.9	1406.3	1312.4	1285.2
60°	1456.1	1403.7	1295.3	1206.5	1181.9
62.5°	1335.0	1287.6	1184.4	1103.1	1078.5
65°	1156.6	1113.5	1021.1	948.2	929.7
67.5°	983.3	940.2	865.4	800.0	779.1
70°	869.9	826.7	759.5	699.2	680.8
72.5°	761.4	715.8	661.2	606.1	592.5
75°	598.8	561.8	520.0	478.8	466.4
77.5°	455.1	419.3	388.9	359.8	356.8
80°	359.3	328.5	305.7	286.7	283.6
82.5°	268.5	245.1	230.1	216.2	215.6
85°	138.7	129.4	126.1	110.2	104.0
87.5°	40.3	40.3	35.3	30.3	30.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.9	8.0	3.2	3.2	3.2
95°	18.2	46.0	14.2	10.1	10.1
97.5°	38.1	110.3	76.6	20.6	17.8
100°	52.7	159.7	131.8	30.3	24.3
102.5°	67.3	202.9	208.0	48.0	37.3
105°	89.2	249.7	360.8	90.5	60.8
107.5°	110.7	280.3	553.0	186.8	112.7
110°	123.7	298.1	697.3	291.3	174.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	136.6	315.8	776.8	466.9	300.8
115°	154.1	340.4	823.0	766.1	583.8
117.5°	168.7	362.9	862.7	947.5	893.9
120°	178.4	380.5	883.8	973.4	991.2
122.5°	188.1	393.5	895.2	983.5	1017.2
125°	200.7	412.8	898.0	1021.8	1027.7
127.5°	213.2	427.3	911.4	1057.0	1059.8
130°	223.0	437.0	924.3	1068.8	1090.6
132.5°	234.3	445.2	929.2	1075.5	1108.4
135°	251.4	457.5	900.0	1053.8	1131.1
137.5°	272.8	466.3	872.0	1053.2	1103.1
140°	285.8	468.2	857.5	1076.5	1080.4
142.5°	300.4	473.2	854.2	1073.9	1108.0
145°	322.3	480.9	849.3	1023.7	1114.9
147.5°	344.2	485.7	830.7	968.3	1048.0
150°	358.8	487.6	812.9	949.8	999.3
152.5°	373.4	489.5	790.2	938.3	979.9
155°	391.2	490.3	756.1	911.2	958.8
157.5°	409.9	488.0	715.2	861.9	913.8
160°	419.6	485.0	689.2	826.1	871.6
162.5°	429.3	483.6	666.5	779.2	832.7
165°	443.9	485.6	610.2	718.4	752.0
167.5°	453.7	483.8	557.4	646.1	693.7
170°	460.1	483.9	525.0	590.8	630.4
172.5°	465.0	476.1	505.6	540.2	567.2
175°	470.3	476.2	484.5	492.8	502.7
177.5°	471.9	475.1	468.7	467.1	470.3
180°	470.3	470.3	470.3	470.3	470.3

(END OF REPORT)