

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: P1057080

Luminaire Tested: CB3-B-030U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057080
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-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-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: 12510.8 lumens
Efficiency: N/A
Efficacy: 132.2 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

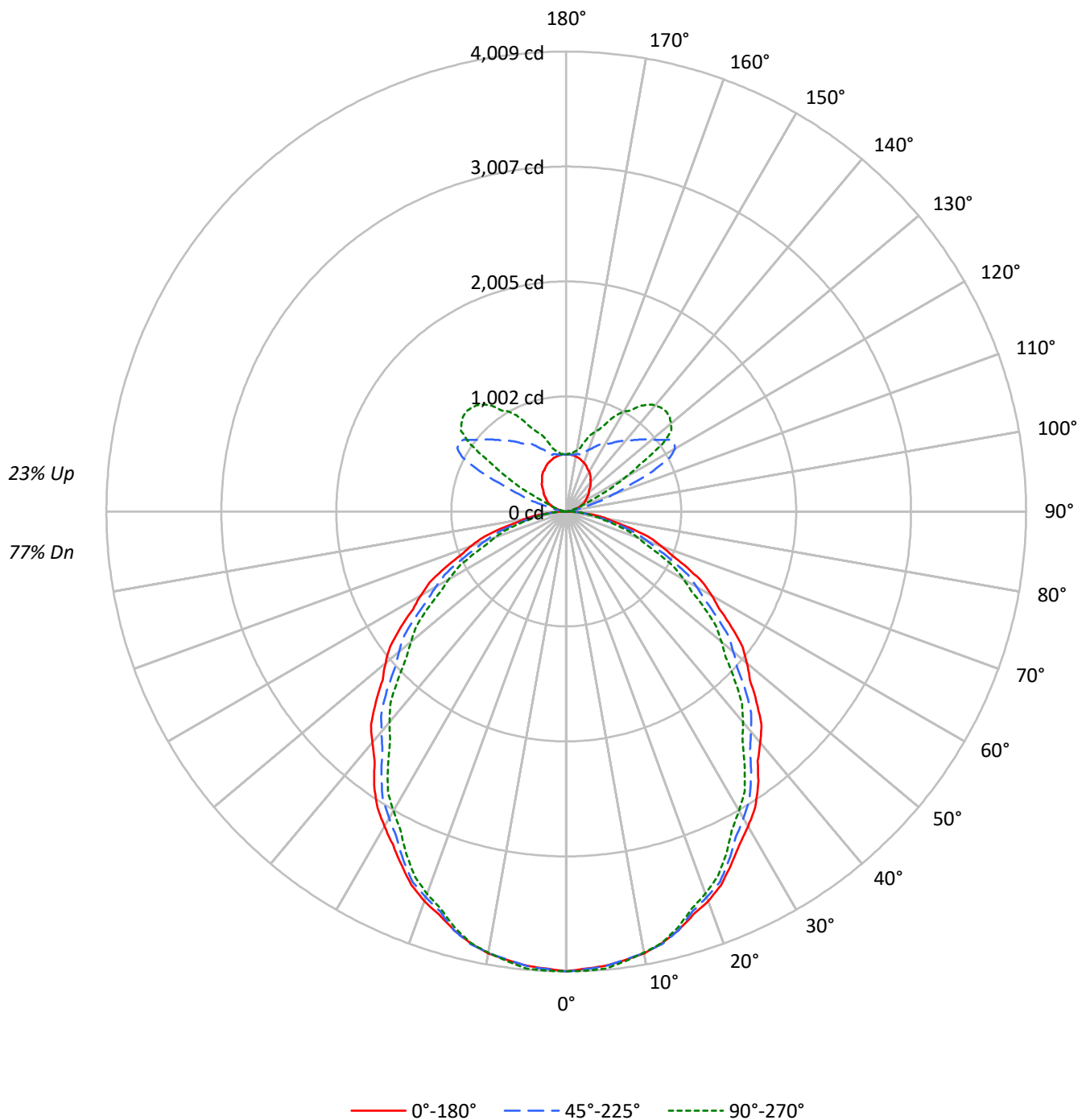
Input Watts (W): 94.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	114	114	114	114	108	108	108	108	98	98	98	89	89	89	81	81	81
1	104	100	96	92	99	95	92	88	87	84	81	79	77	75	72	70	69
2	95	87	81	76	90	84	78	73	76	72	68	70	66	63	64	61	58
3	87	77	70	64	83	74	67	62	68	62	58	62	57	54	57	53	50
4	80	69	60	54	76	66	58	53	60	54	49	55	50	46	51	47	43
5	73	61	53	47	70	59	51	45	54	48	43	50	45	40	46	41	38
6	68	55	47	41	64	53	45	40	49	43	38	45	40	36	42	37	34
7	63	50	42	36	60	48	41	35	45	38	33	41	36	32	38	34	30
8	59	46	38	32	56	44	37	32	41	35	30	38	32	28	35	30	27
9	55	42	34	29	52	41	33	28	38	31	27	35	30	26	33	28	24
10	51	39	31	26	49	37	30	26	35	29	25	33	27	23	30	26	22

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	3.0
10°-20°	1062.6	8.5
20°-30°	1543.8	12.3
30°-40°	1755.3	14.0
40°-50°	1704.0	13.6
50°-60°	1438.6	11.5
60°-70°	1023.5	8.2
70°-80°	546.9	4.4
80°-90°	144.5	1.2
90°-100°	33.5	0.3
100°-110°	175.5	1.4
110°-120°	441.9	3.5
120°-130°	681.7	5.4
130°-140°	624.0	5.0
140°-150°	460.5	3.7
150°-160°	293.6	2.3
160°-170°	154.6	1.2
170°-180°	48.1	0.4
0°-30°	2984.7	23.9
0°-40°	4739.9	37.9
0°-60°	7882.5	63.0
0°-90°	9597.4	76.7
90°-120°	650.9	5.2
90°-150°	2417.1	19.3
90°-180°	2913.0	23.3
0°-180°	12510.8	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	6
95°	18	50	20	11	11	22
105°	90	277	201	83	68	96
115°	170	347	834	362	275	166
125°	227	351	1091	1100	1017	203
135°	292	390	884	1205	1233	226
145°	369	426	738	1026	1122	229
155°	426	458	633	783	864	196
165°	471	484	508	594	635	133
175°	498	508	493	495	500	47
180°	495	495	495	495	495	

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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°	5.2	12.1	3.5	1.8	3.5
95°	17.5	49.5	19.6	10.9	10.9
97.5°	36.2	110.5	50.6	27.0	24.4
100°	50.2	156.9	78.6	39.2	34.9
102.5°	65.9	203.3	118.7	53.1	45.4
105°	89.5	277.2	200.7	82.6	67.6
107.5°	115.6	327.7	330.8	127.3	102.6
110°	133.1	348.6	440.8	167.1	128.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	148.8	354.1	587.4	227.9	175.9
115°	170.2	347.3	833.5	362.4	274.9
117.5°	185.9	330.6	1020.3	576.6	444.7
120°	196.4	330.8	1095.4	738.5	591.3
122.5°	208.6	332.8	1116.3	899.4	764.1
125°	226.9	350.7	1091.0	1100.0	1016.8
127.5°	245.3	363.9	1022.9	1182.5	1156.5
130°	257.5	372.7	968.8	1210.6	1191.4
132.5°	269.7	381.5	930.4	1211.3	1221.1
135°	292.4	390.5	883.7	1205.1	1232.9
137.5°	315.5	401.7	840.1	1167.0	1224.6
140°	329.5	410.6	805.2	1125.6	1208.8
142.5°	345.2	417.7	772.0	1087.4	1175.7
145°	368.8	426.4	737.5	1025.6	1121.6
147.5°	387.1	431.0	698.7	963.2	1042.6
150°	399.3	431.3	683.0	907.8	1005.9
152.5°	409.8	440.1	663.8	857.0	946.6
155°	425.5	457.5	632.8	783.0	864.1
157.5°	441.2	471.9	596.1	727.9	782.9
160°	451.7	477.3	571.7	701.3	737.5
162.5°	460.4	482.6	545.5	656.0	697.4
165°	471.3	484.1	508.4	594.4	635.0
167.5°	481.4	487.8	511.5	534.0	566.9
170°	486.6	493.0	506.2	528.3	539.0
172.5°	491.8	501.6	499.3	514.3	523.3
175°	497.5	508.2	493.1	495.4	499.7
177.5°	498.8	503.9	500.6	500.7	505.8
180°	495.3	495.3	495.3	495.3	495.3

(END OF REPORT)