

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: P1057071

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057071
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-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 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: 5225.5 lumens
Efficiency: N/A
Efficacy: 151.0 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: General Diffuse

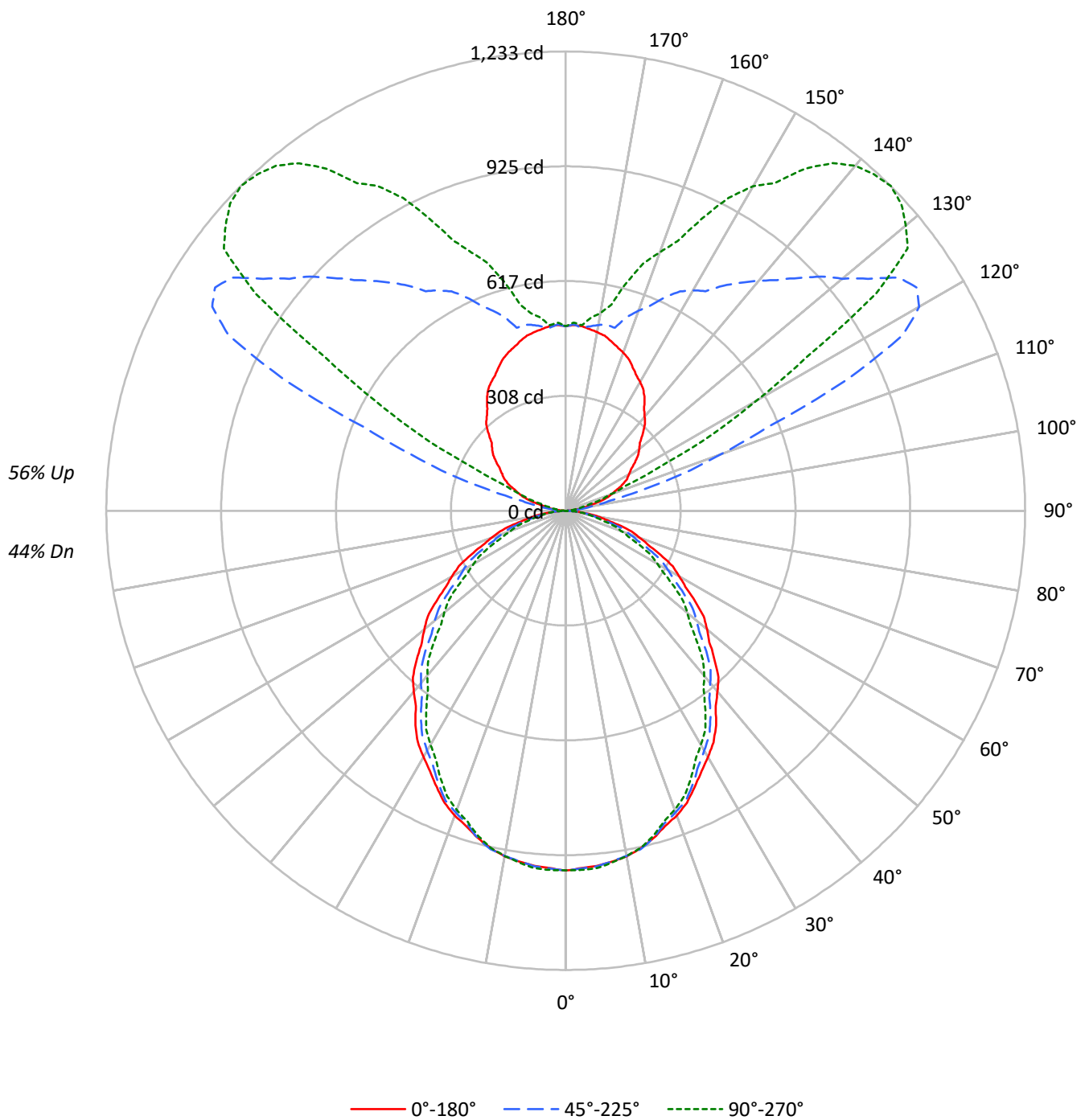
Input Watts (W): 34.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51
1	97	92	89	85	88	85	82	79	70	68	66	57	56	54	45	44	43
2	88	81	75	70	80	74	69	65	62	58	55	50	48	46	40	38	37
3	80	71	64	58	73	65	59	54	55	50	46	45	41	39	36	33	31
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24
6	62	50	42	37	57	47	40	34	39	34	30	32	28	25	26	23	21
7	58	46	38	32	53	42	35	30	36	30	26	30	26	22	24	21	19
8	53	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15
10	46	35	28	23	43	32	26	21	27	22	19	23	19	16	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5463	5463	5463
5°	5438	5442	5473
10°	5414	5406	5406
15°	5331	5331	5299
20°	5244	5191	5145
25°	5112	5048	4958
30°	4987	4857	4741
35°	4855	4676	4510
40°	4681	4458	4265
45°	4522	4264	4000
50°	4358	4033	3742
55°	4181	3809	3497
60°	3988	3578	3220
65°	3764	3314	2929
70°	3505	3007	2610
75°	3178	2638	2324
80°	2769	2212	2056
85°	2136	1869	1869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.7
10°-20°	256.0	4.9
20°-30°	371.9	7.1
30°-40°	422.9	8.1
40°-50°	410.5	7.9
50°-60°	346.6	6.6
60°-70°	246.6	4.7
70°-80°	131.7	2.5
80°-90°	34.8	0.7
90°-100°	33.5	0.6
100°-110°	175.5	3.4
110°-120°	441.9	8.5
120°-130°	681.7	13.0
130°-140°	624.0	11.9
140°-150°	460.5	8.8
150°-160°	293.6	5.6
160°-170°	154.6	3.0
170°-180°	48.1	0.9
0°-30°	719.0	13.8
0°-40°	1141.9	21.9
0°-60°	1899.0	36.3
0°-90°	2312.1	44.2
90°-120°	650.9	12.5
90°-150°	2417.1	46.3
90°-180°	2913.0	55.7
0°-180°	5225.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	958	970	958	957	964	91
15°	910	918	910	905	905	256
25°	819	822	809	798	794	377
35°	703	696	677	657	653	438
45°	565	556	533	507	500	436
55°	424	412	386	361	355	379
65°	281	271	248	226	219	279
75°	145	137	121	108	106	155
85°	33	30	29	29	29	39
90°	0	0	0	0	0	2
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°	965.7	965.7	965.7	965.7	965.7
2.5°	960.8	970.4	961.9	963.0	965.2
5°	957.5	969.6	958.2	957.0	963.7
7.5°	950.1	961.1	949.3	946.5	952.6
10°	942.4	954.5	941.0	937.7	941.0
12.5°	928.7	941.3	930.6	925.0	927.9
15°	910.2	918.2	910.2	904.7	904.7
17.5°	887.5	896.0	880.8	876.9	875.5
20°	871.1	878.5	862.2	856.6	854.6
22.5°	849.1	856.0	842.4	833.0	830.5
25°	818.9	821.6	808.7	797.6	794.3
27.5°	788.6	789.3	771.5	758.1	753.7
30°	763.4	764.1	743.5	729.0	725.7
32.5°	738.2	736.1	716.6	699.4	697.1
35°	703.0	696.3	677.0	657.0	653.0
37.5°	660.6	656.6	633.8	613.7	607.7
40°	633.8	627.1	603.6	583.6	577.5
42.5°	606.9	599.1	575.0	552.8	546.2
45°	565.2	556.5	532.9	507.4	500.0
47.5°	523.2	513.7	487.8	463.1	454.9
50°	495.2	485.2	458.2	434.0	425.2
52.5°	466.7	456.1	429.1	404.4	397.3
55°	423.9	412.5	386.2	361.3	354.6
57.5°	381.1	369.8	343.6	320.1	312.1
60°	352.5	341.8	316.2	292.7	284.6
62.5°	323.5	313.3	288.2	265.3	257.8
65°	281.2	271.2	247.6	225.5	218.8
67.5°	239.4	230.8	207.5	187.3	181.9
70°	211.9	203.9	181.8	163.1	157.8
72.5°	185.6	177.0	156.0	140.1	136.4
75°	145.4	137.4	120.7	108.3	106.3
77.5°	108.6	102.1	87.7	80.6	79.6
80°	85.0	79.0	67.9	63.1	63.1
82.5°	63.1	58.1	50.9	48.8	48.8
85°	32.9	30.2	28.8	28.8	28.8
87.5°	9.9	9.9	9.3	8.8	8.8
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)