

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: P1057072

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057072
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5155.8 lumens
Efficiency: N/A
Efficacy: 149.0 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

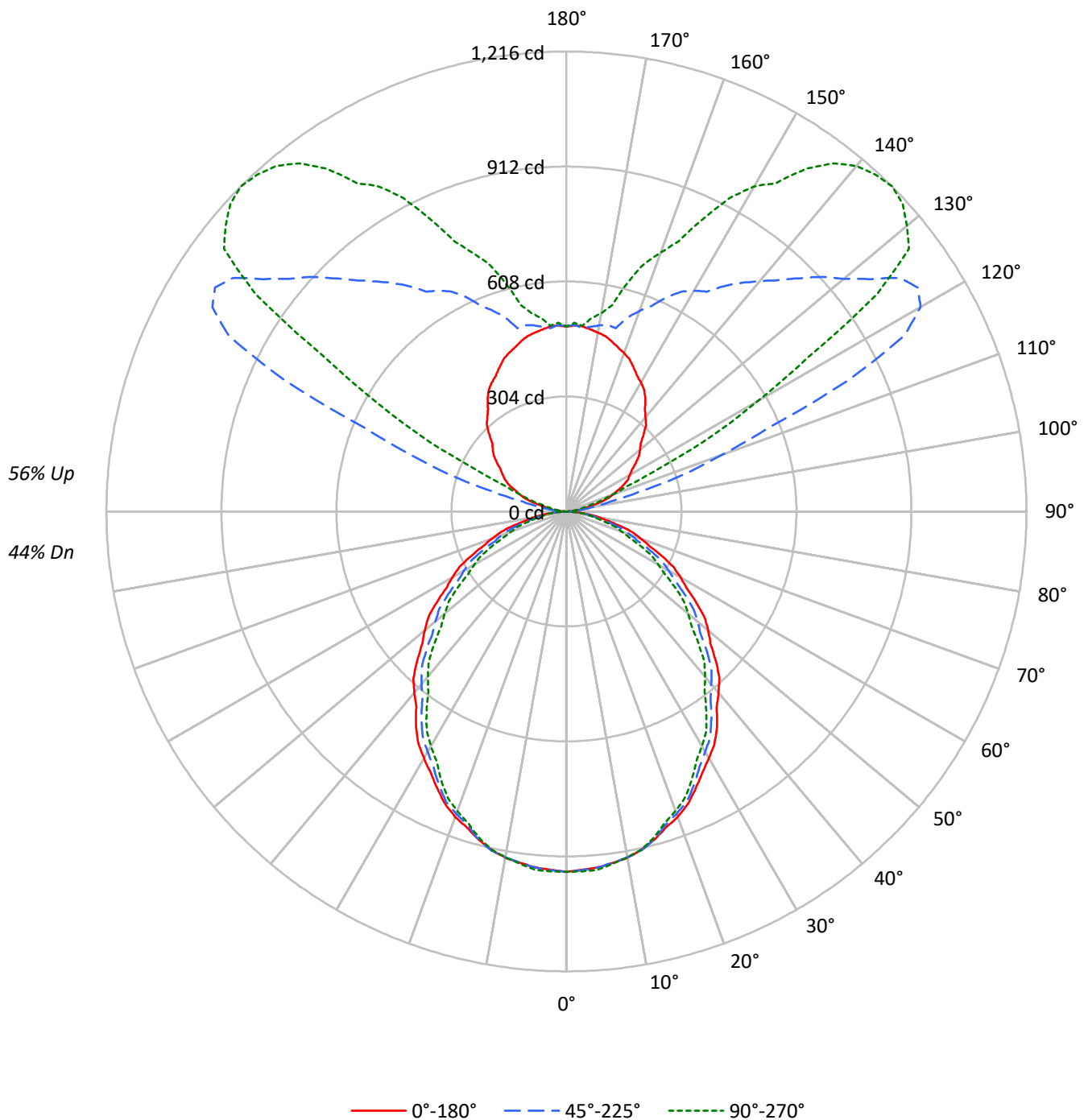
Input Watts (W): 34.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	5391	5391	5391
5°	5365	5369	5399
10°	5341	5334	5334
15°	5259	5259	5228
20°	5174	5122	5076
25°	5044	4981	4892
30°	4920	4792	4677
35°	4791	4613	4450
40°	4618	4398	4208
45°	4461	4207	3947
50°	4300	3979	3693
55°	4125	3758	3451
60°	3935	3530	3177
65°	3715	3270	2890
70°	3459	2966	2575
75°	3137	2603	2293
80°	2733	2183	2030
85°	2110	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	1.7
10°-20°	252.6	4.9
20°-30°	367.0	7.1
30°-40°	417.2	8.1
40°-50°	405.0	7.9
50°-60°	342.0	6.6
60°-70°	243.3	4.7
70°-80°	130.0	2.5
80°-90°	34.3	0.7
90°-100°	33.0	0.6
100°-110°	173.2	3.4
110°-120°	436.0	8.5
120°-130°	672.6	13.0
130°-140°	615.7	11.9
140°-150°	454.4	8.8
150°-160°	289.7	5.6
160°-170°	152.5	3.0
170°-180°	47.5	0.9
0°-30°	709.4	13.8
0°-40°	1126.7	21.9
0°-60°	1873.6	36.3
0°-90°	2281.3	44.2
90°-120°	642.2	12.5
90°-150°	2384.9	46.3
90°-180°	2875.0	55.8
0°-180°	5155.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	945	957	945	944	951	90
15°	898	906	898	893	893	253
25°	808	811	798	787	784	372
35°	694	687	668	648	644	432
45°	558	549	526	501	493	430
55°	418	407	381	356	350	374
65°	278	268	244	222	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	38
90°	0	0	0	0	0	2
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°	952.9	952.9	952.9	952.9	952.9
2.5°	948.0	957.5	949.1	950.2	952.3
5°	944.7	956.6	945.4	944.2	950.8
7.5°	937.4	948.3	936.6	933.9	939.9
10°	929.8	941.8	928.5	925.2	928.5
12.5°	916.3	928.7	918.2	912.7	915.5
15°	898.0	906.0	898.0	892.6	892.6
17.5°	875.7	884.0	869.1	865.3	863.8
20°	859.5	866.7	850.7	845.2	843.2
22.5°	837.8	844.6	831.2	821.9	819.4
25°	808.0	810.7	797.9	787.0	783.7
27.5°	778.1	778.8	761.2	748.0	743.6
30°	753.2	753.9	733.6	719.3	716.0
32.5°	728.3	726.3	707.1	690.1	687.8
35°	693.7	687.0	667.9	648.2	644.3
37.5°	651.8	647.9	625.3	605.5	599.6
40°	625.3	618.7	595.5	575.8	569.8
42.5°	598.8	591.1	567.4	545.4	539.0
45°	557.6	549.0	525.8	500.6	493.3
47.5°	516.2	506.8	481.3	456.9	448.8
50°	488.6	478.7	452.1	428.2	419.6
52.5°	460.5	450.0	423.4	399.0	392.0
55°	418.2	407.0	381.0	356.5	349.9
57.5°	376.0	364.9	339.0	315.9	307.9
60°	347.8	337.3	312.0	288.8	280.8
62.5°	319.2	309.1	284.4	261.7	254.3
65°	277.5	267.5	244.3	222.5	215.9
67.5°	236.2	227.7	204.8	184.8	179.5
70°	209.1	201.2	179.3	160.9	155.7
72.5°	183.1	174.7	153.9	138.2	134.5
75°	143.5	135.5	119.1	106.9	104.9
77.5°	107.2	100.7	86.5	79.6	78.5
80°	83.9	78.0	67.0	62.3	62.3
82.5°	62.3	57.4	50.2	48.2	48.2
85°	32.5	29.8	28.4	28.4	28.4
87.5°	9.7	9.7	9.2	8.7	8.7
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)