

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1438849

Luminaire Tested: CB2-B-030U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438849  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-B-030U-030D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

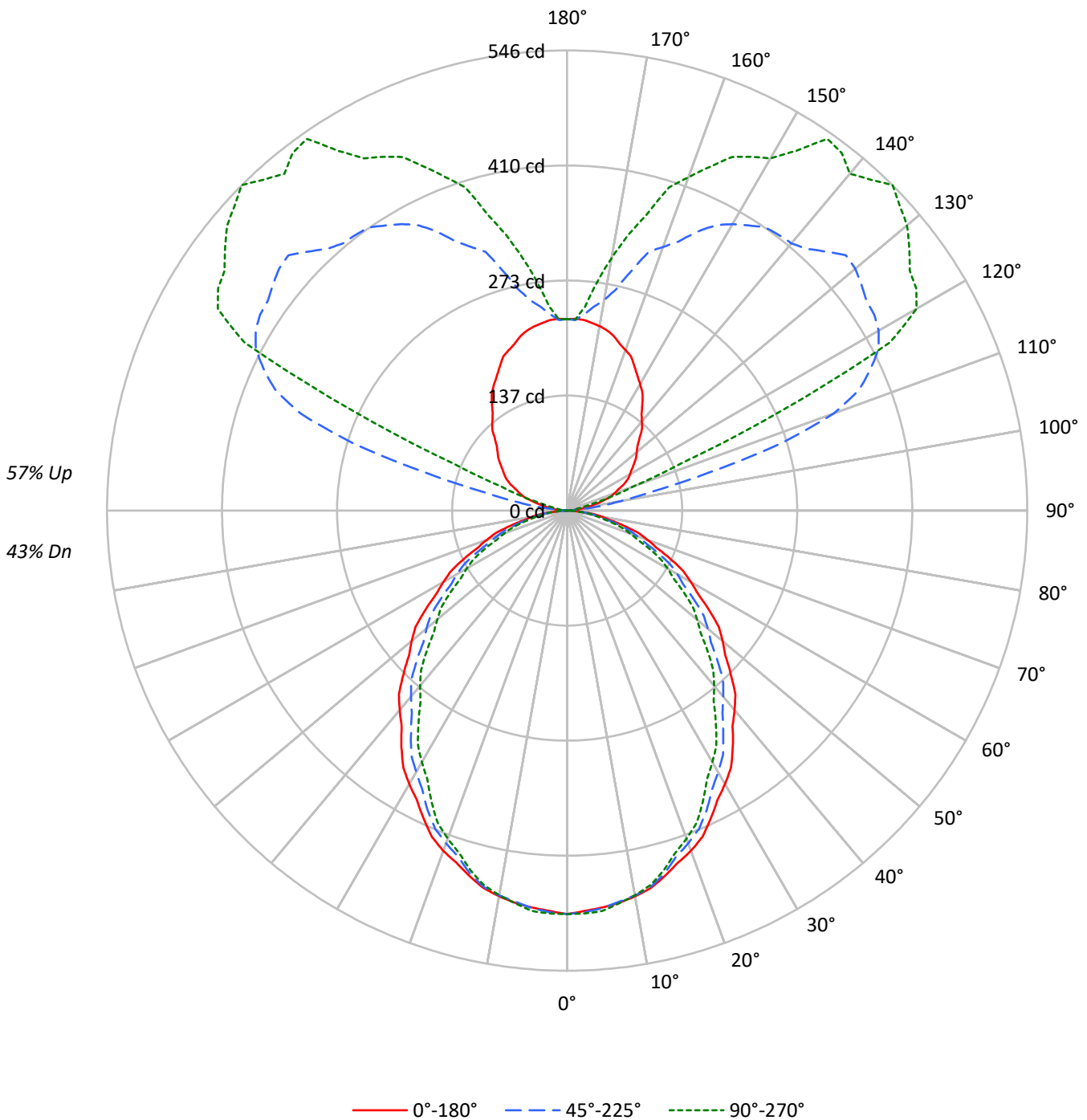
Lumens per Lamp: N/A  
Luminaire Lumens: 2608.4 lumens  
Efficiency: N/A  
Efficacy: 145.7 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 17.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43																				
1	96	92	88	85	88	84	81	78	70	67	65	56	55	53	44	43	42	36																				
2	88	81	75	70	80	74	69	64	61	58	54	50	47	45	39	37	36	31																				
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	32	31	26																				
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	29	26	23																				
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20																				
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20	17																				
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	16																				
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	19	16	14																				
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13																				
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	16	13	11																				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	8339	8339	8339
5°	8268	8280	8338
10°	8220	8201	8196
15°	8091	8039	7972
20°	7963	7787	7677
25°	7749	7531	7320
30°	7534	7202	6931
35°	7289	6868	6540
40°	7026	6550	6168
45°	6764	6222	5806
50°	6525	5899	5455
55°	6234	5566	5120
60°	5901	5250	4790
65°	5543	4896	4455
70°	5154	4497	4033
75°	4690	4071	3654
80°	4193	3571	3310
85°	3217	2938	2418

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6764 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.0	1.7
10°-20°	125.5	4.8
20°-30°	180.4	6.9
30°-40°	202.8	7.8
40°-50°	195.9	7.5
50°-60°	165.5	6.3
60°-70°	118.9	4.6
70°-80°	65.0	2.5
80°-90°	17.3	0.7
90°-100°	17.0	0.7
100°-110°	105.4	4.0
110°-120°	265.7	10.2
120°-130°	319.4	12.2
130°-140°	289.6	11.1
140°-150°	230.9	8.9
150°-160°	157.5	6.0
160°-170°	83.3	3.2
170°-180°	23.2	0.9
0°-30°	351.0	13.5
0°-40°	553.8	21.2
0°-60°	915.2	35.1
0°-90°	1116.4	42.8
90°-120°	388.1	14.9
90°-150°	1228.0	47.1
90°-180°	1492.0	57.2
0°-180°	2608.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	479	479	479	479	479	
5°	473	479	474	474	477	45
15°	449	453	446	441	442	126
25°	403	404	392	383	381	186
35°	343	339	323	310	308	214
45°	275	269	253	239	236	212
55°	205	198	183	172	169	184
65°	134	130	119	110	108	133
75°	70	65	60	56	54	75
85°	16	15	15	13	12	19
90°	0	0	0	0	0	1
95°	9	22	7	5	5	11
105°	43	121	174	44	29	45
115°	74	164	397	370	282	73
125°	97	199	434	493	496	87
135°	121	221	434	509	546	94
145°	156	232	410	494	538	97
155°	189	237	365	440	463	87
165°	214	234	295	347	363	60
175°	227	230	234	238	243	21
180°	227	227	227	227	227	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	478.8	478.8	478.8	478.8	478.8
2.5°	475.5	481.3	477.0	477.6	478.5
5°	472.9	479.3	473.6	473.7	476.9
7.5°	469.5	475.6	468.4	467.1	470.1
10°	464.8	470.9	463.7	461.2	463.4
12.5°	458.7	464.5	457.6	453.6	455.4
15°	448.7	452.6	445.8	441.4	442.1
17.5°	437.8	440.3	430.4	426.7	426.0
20°	429.6	431.8	420.1	415.0	414.2
22.5°	419.1	420.9	408.7	402.3	401.3
25°	403.2	403.6	391.9	383.0	380.9
27.5°	386.7	385.5	372.5	362.0	359.2
30°	374.6	373.2	358.1	347.1	344.6
32.5°	361.7	359.2	344.1	332.1	329.6
35°	342.8	338.8	323.0	310.4	307.6
37.5°	322.5	318.1	302.5	288.9	285.6
40°	309.0	304.0	288.1	274.5	271.3
42.5°	295.5	289.9	273.8	260.1	256.6
45°	274.6	268.8	252.6	239.3	235.7
47.5°	254.6	247.3	231.5	218.3	214.7
50°	240.8	233.0	217.7	204.8	201.3
52.5°	226.8	218.6	204.0	191.6	188.1
55°	205.3	197.8	183.3	171.9	168.6
57.5°	184.0	176.8	163.6	152.6	149.5
60°	169.4	163.3	150.7	140.3	137.5
62.5°	155.3	149.8	137.8	128.3	125.4
65°	134.5	129.5	118.8	110.3	108.1
67.5°	114.4	109.4	100.7	93.1	90.6
70°	101.2	96.2	88.3	81.3	79.2
72.5°	88.6	83.3	76.9	70.5	68.9
75°	69.7	65.3	60.5	55.7	54.3
77.5°	52.9	48.8	45.2	41.9	41.5
80°	41.8	38.2	35.6	33.4	33.0
82.5°	31.2	28.5	26.8	25.1	25.1
85°	16.1	15.1	14.7	12.8	12.1
87.5°	4.7	4.7	4.1	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	2.3	3.9	1.6	1.6	1.6
95°	8.8	22.2	6.9	4.9	4.9
97.5°	18.4	53.2	37.0	10.0	8.6
100°	25.4	77.1	63.6	14.6	11.7
102.5°	32.5	97.9	100.4	23.2	18.0
105°	43.1	120.6	174.2	43.7	29.4
107.5°	53.4	135.4	267.0	90.2	54.4
110°	59.7	143.9	336.7	140.6	84.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	66.0	152.5	375.0	225.4	145.2
115°	74.4	164.3	397.4	369.9	281.9
117.5°	81.4	175.2	416.5	457.5	431.6
120°	86.1	183.7	426.7	470.0	478.6
122.5°	90.8	190.0	432.2	474.9	491.1
125°	96.9	199.3	433.6	493.3	496.2
127.5°	103.0	206.3	440.0	510.3	511.7
130°	107.7	211.0	446.3	516.0	526.5
132.5°	113.1	215.0	448.6	519.3	535.2
135°	121.4	220.9	434.5	508.8	546.1
137.5°	131.7	225.1	421.0	508.5	532.6
140°	138.0	226.0	414.0	519.7	521.7
142.5°	145.0	228.5	412.4	518.5	535.0
145°	155.6	232.2	410.1	494.3	538.3
147.5°	166.2	234.5	401.1	467.5	506.0
150°	173.2	235.4	392.5	458.6	482.5
152.5°	180.3	236.4	381.5	453.0	473.1
155°	188.9	236.7	365.1	440.0	462.9
157.5°	197.9	235.6	345.3	416.1	441.2
160°	202.6	234.2	332.8	398.8	420.8
162.5°	207.3	233.5	321.8	376.2	402.1
165°	214.3	234.4	294.6	346.8	363.1
167.5°	219.0	233.6	269.1	311.9	334.9
170°	222.2	233.7	253.5	285.2	304.4
172.5°	224.5	229.9	244.1	260.8	273.8
175°	227.1	229.9	233.9	237.9	242.7
177.5°	227.8	229.4	226.3	225.5	227.1
180°	227.1	227.1	227.1	227.1	227.1



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.66	14.45	14.68	15.48	16.85	12.56	13.35	13.58	14.38	15.75
	3H	15.30	16.01	16.33	17.05	18.44	14.09	14.79	15.11	15.83	17.22
	4H	15.93	16.60	16.97	17.64	19.04	14.66	15.33	15.70	16.36	17.76
	6H	16.33	16.95	17.38	17.99	19.40	15.02	15.64	16.08	16.68	18.09
	8H	16.47	17.06	17.53	18.12	19.53	15.16	15.75	16.22	16.81	18.21
	12H	16.55	17.10	17.61	18.16	19.59	15.22	15.78	16.28	16.83	18.26
4H	2H	14.06	14.74	15.11	15.77	17.17	13.19	13.86	14.24	14.90	16.30
	3H	15.93	16.49	16.98	17.55	18.96	14.92	15.48	15.97	16.54	17.95
	4H	16.67	17.18	17.73	18.24	19.67	15.59	16.10	16.65	17.16	18.59
	6H	17.19	17.63	18.26	18.71	20.14	16.06	16.50	17.13	17.58	19.01
	8H	17.39	17.80	18.46	18.87	20.32	16.25	16.66	17.32	17.73	19.18
	12H	17.49	17.86	18.58	18.95	20.40	16.33	16.71	17.42	17.79	19.24
8H	4H	16.82	17.23	17.89	18.30	19.75	15.86	16.27	16.93	17.34	18.78
	6H	17.46	17.80	18.56	18.91	20.36	16.46	16.80	17.55	17.91	19.35
	8H	17.75	18.05	18.85	19.14	20.61	16.73	17.03	17.84	18.13	19.59
	12H	17.92	18.18	19.03	19.28	20.78	16.88	17.14	17.99	18.23	19.73
12H	4H	16.80	17.17	17.89	18.26	19.71	15.86	16.23	16.95	17.31	18.76
	6H	17.49	17.79	18.59	18.88	20.34	16.52	16.82	17.62	17.92	19.38
	8H	17.80	18.06	18.91	19.16	20.66	16.82	17.09	17.93	18.18	19.68