

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: P1439375

Luminaire Tested: CB3-B-030U-030D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439375  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-B-030U-030D-940-1D-UNV-STD-W-4  
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, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

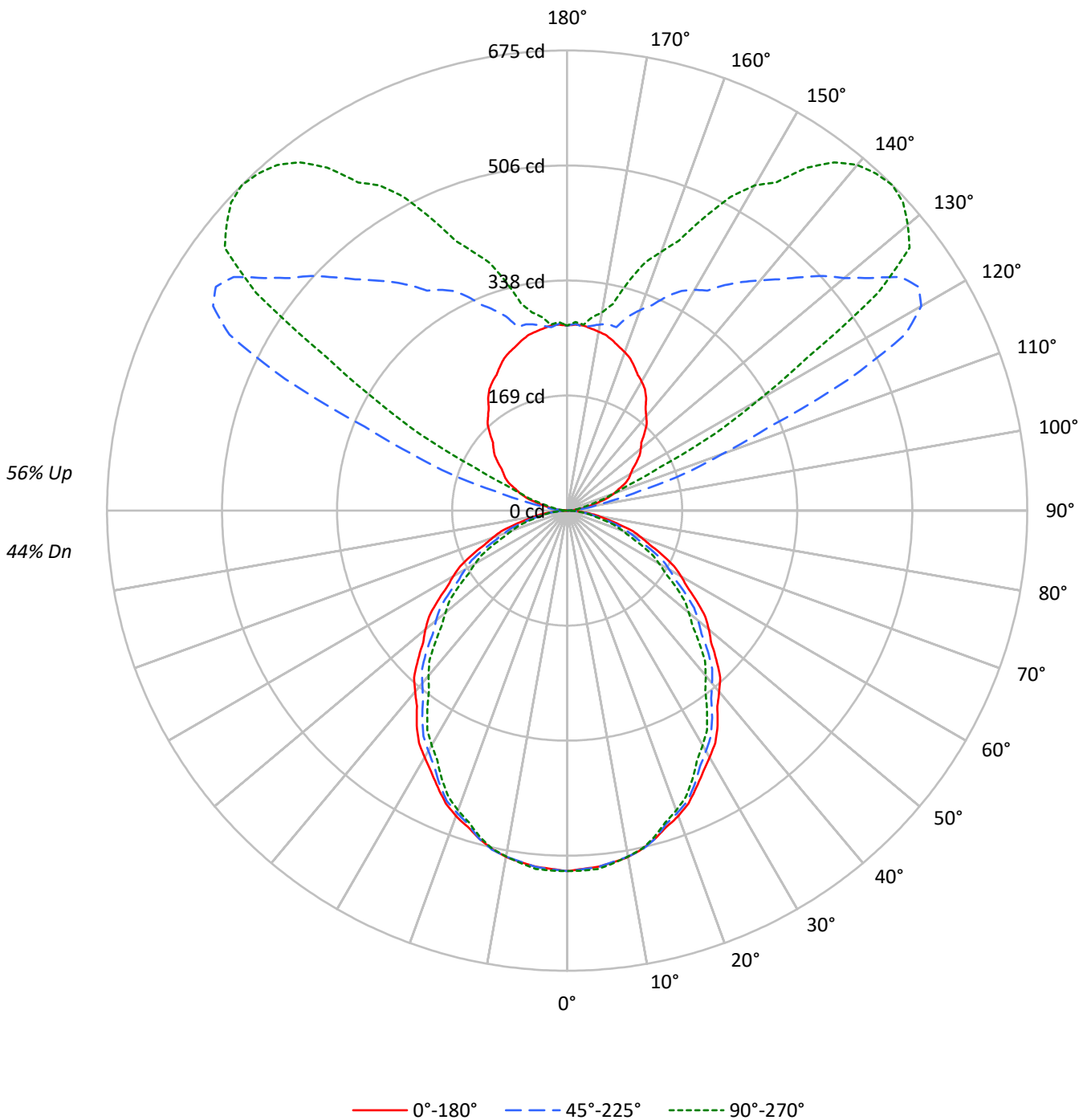
Lumens per Lamp: N/A  
Luminaire Lumens: 2861.1 lumens  
Efficiency: N/A  
Efficacy: 171.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 16.7  
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					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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44					44			
1	97	92	89	85	88	85	82	79	70	68	66	57	56	54	45	44	43	38					38			
2	88	81	75	70	80	74	69	65	62	58	55	50	48	46	40	38	37	32					32			
3	80	71	64	58	73	65	59	54	55	50	46	45	41	39	36	33	31	27					27			
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27	23					23			
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	20					20			
6	62	50	42	37	57	47	40	34	39	34	30	32	28	25	26	23	21	18					18			
7	58	46	38	32	53	42	35	30	36	30	26	30	26	22	24	21	19	16					16			
8	53	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17	14					14			
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15	13					13			
10	46	35	28	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12					12			

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

	0°	45°	90°
0°	5983	5983	5983
5°	5955	5958	5992
10°	5928	5919	5919
15°	5837	5837	5802
20°	5742	5684	5634
25°	5598	5528	5429
30°	5461	5319	5191
35°	5316	5120	4938
40°	5125	4882	4670
45°	4951	4669	4381
50°	4772	4416	4098
55°	4578	4170	3831
60°	4367	3917	3528
65°	4123	3630	3207
70°	3837	3292	2858
75°	3480	2890	2544
80°	3036	2424	2248
85°	2337	2051	2051

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4951 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.9	1.7
10°-20°	140.2	4.9
20°-30°	203.6	7.1
30°-40°	231.5	8.1
40°-50°	224.8	7.9
50°-60°	189.8	6.6
60°-70°	135.0	4.7
70°-80°	72.1	2.5
80°-90°	19.1	0.7
90°-100°	18.4	0.6
100°-110°	96.1	3.4
110°-120°	241.9	8.5
120°-130°	373.2	13.0
130°-140°	341.7	11.9
140°-150°	252.2	8.8
150°-160°	160.7	5.6
160°-170°	84.6	3.0
170°-180°	26.3	0.9
0°-30°	393.7	13.8
0°-40°	625.2	21.9
0°-60°	1039.7	36.3
0°-90°	1265.9	44.2
90°-120°	356.4	12.5
90°-150°	1323.5	46.3
90°-180°	1595.0	55.7
0°-180°	2861.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	529	529	529	529	529	
5°	524	531	525	524	528	50
15°	498	503	498	495	495	140
25°	448	450	443	437	435	207
35°	385	381	371	360	358	240
45°	309	305	292	278	274	239
55°	232	226	211	198	194	207
65°	154	148	136	124	120	153
75°	80	75	66	59	58	85
85°	18	17	16	16	16	21
90°	0	0	0	0	0	1
95°	10	27	11	6	6	12
105°	49	152	110	45	37	52
115°	93	190	456	198	150	91
125°	124	192	597	602	557	111
135°	160	214	484	660	675	124
145°	202	234	404	562	614	125
155°	233	250	346	429	473	107
165°	258	265	278	326	348	73
175°	272	278	270	271	274	26
180°	271	271	271	271	271	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	528.8	528.8	528.8	528.8	528.8
2.5°	526.1	531.3	526.7	527.3	528.5
5°	524.3	530.9	524.6	524.0	527.6
7.5°	520.2	526.2	519.8	518.2	521.6
10°	516.0	522.6	515.2	513.4	515.2
12.5°	508.5	515.4	509.5	506.5	508.0
15°	498.3	502.8	498.3	495.3	495.3
17.5°	486.0	490.6	482.3	480.2	479.3
20°	476.9	481.0	472.1	469.0	467.9
22.5°	464.9	468.7	461.2	456.1	454.7
25°	448.4	449.9	442.8	436.7	434.9
27.5°	431.8	432.2	422.4	415.1	412.6
30°	418.0	418.3	407.1	399.2	397.3
32.5°	404.2	403.1	392.4	383.0	381.7
35°	384.9	381.3	370.7	359.7	357.5
37.5°	361.7	359.5	347.0	336.0	332.7
40°	347.0	343.3	330.5	319.5	316.2
42.5°	332.3	328.0	314.9	302.7	299.1
45°	309.4	304.7	291.8	277.8	273.8
47.5°	286.5	281.3	267.1	253.5	249.1
50°	271.1	265.6	250.9	237.6	232.8
52.5°	255.5	249.7	234.9	221.4	217.5
55°	232.1	225.8	211.4	197.8	194.2
57.5°	208.7	202.5	188.1	175.3	170.9
60°	193.0	187.2	173.1	160.3	155.9
62.5°	177.1	171.5	157.8	145.2	141.1
65°	154.0	148.5	135.6	123.5	119.8
67.5°	131.1	126.4	113.6	102.5	99.6
70°	116.0	111.6	99.5	89.3	86.4
72.5°	101.6	96.9	85.4	76.7	74.7
75°	79.6	75.2	66.1	59.3	58.2
77.5°	59.5	55.9	48.0	44.2	43.6
80°	46.6	43.3	37.2	34.5	34.5
82.5°	34.5	31.8	27.9	26.7	26.7
85°	18.0	16.6	15.8	15.8	15.8
87.5°	5.4	5.4	5.1	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	2.9	6.6	1.9	1.0	1.9
95°	9.6	27.1	10.8	6.0	6.0
97.5°	19.8	60.5	27.7	14.8	13.4
100°	27.5	85.9	43.0	21.5	19.1
102.5°	36.1	111.3	65.0	29.1	24.9
105°	49.0	151.8	109.9	45.2	37.0
107.5°	63.3	179.4	181.1	69.7	56.2
110°	72.9	190.9	241.3	91.5	70.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	81.5	193.9	321.6	124.8	96.3
115°	93.2	190.1	456.4	198.4	150.5
117.5°	101.8	181.0	558.7	315.7	243.5
120°	107.5	181.1	599.8	404.4	323.8
122.5°	114.2	182.2	611.2	492.5	418.4
125°	124.3	192.0	597.4	602.3	556.7
127.5°	134.3	199.2	560.1	647.5	633.2
130°	141.0	204.1	530.5	662.8	652.3
132.5°	147.7	208.9	509.4	663.2	668.6
135°	160.1	213.8	483.9	659.8	675.0
137.5°	172.8	220.0	460.0	638.9	670.5
140°	180.4	224.8	440.9	616.3	661.9
142.5°	189.0	228.7	422.7	595.4	643.7
145°	201.9	233.5	403.8	561.5	614.1
147.5°	211.9	236.0	382.6	527.4	570.8
150°	218.6	236.2	374.0	497.0	550.8
152.5°	224.4	241.0	363.4	469.2	518.3
155°	233.0	250.5	346.5	428.7	473.1
157.5°	241.6	258.4	326.4	398.5	428.7
160°	247.3	261.3	313.0	384.0	403.8
162.5°	252.1	264.2	298.7	359.2	381.8
165°	258.1	265.1	278.4	325.5	347.7
167.5°	263.6	267.1	280.0	292.4	310.4
170°	266.4	269.9	277.2	289.3	295.1
172.5°	269.3	274.7	273.4	281.6	286.5
175°	272.4	278.2	270.0	271.3	273.6
177.5°	273.1	275.9	274.1	274.1	276.9
180°	271.2	271.2	271.2	271.2	271.2



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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	12.81	13.61	13.81	14.63	15.98	11.73	12.53	12.74	13.55	14.90
	3H	14.47	15.19	15.49	16.21	17.59	13.14	13.86	14.16	14.88	16.25
	4H	15.10	15.78	16.13	16.80	18.18	13.65	14.33	14.68	15.36	16.74
	6H	15.48	16.11	16.52	17.14	18.53	13.97	14.59	15.01	15.63	17.02
	8H	15.61	16.21	16.66	17.26	18.65	14.09	14.68	15.13	15.73	17.12
	12H	15.68	16.25	16.73	17.29	18.70	14.16	14.73	15.21	15.77	17.18
4H	2H	13.21	13.89	14.24	14.92	16.30	12.35	13.03	13.39	14.06	15.44
	3H	15.09	15.66	16.14	16.71	18.11	13.96	14.53	15.01	15.59	16.98
	4H	15.84	16.36	16.89	17.40	18.82	14.57	15.09	15.62	16.13	17.55
	6H	16.34	16.78	17.40	17.85	19.26	14.98	15.42	16.04	16.49	17.90
	8H	16.53	16.94	17.59	18.01	19.43	15.14	15.56	16.21	16.62	18.05
	12H	16.62	17.00	17.70	18.08	19.51	15.25	15.62	16.33	16.70	18.13
8H	4H	15.96	16.38	17.02	17.44	18.87	14.82	15.24	15.89	16.30	17.73
	6H	16.58	16.92	17.66	18.03	19.45	15.35	15.69	16.43	16.80	18.22
	8H	16.85	17.16	17.95	18.25	19.69	15.60	15.90	16.69	16.99	18.43
	12H	17.02	17.28	18.11	18.37	19.85	15.77	16.04	16.87	17.12	18.61
12H	4H	15.93	16.31	17.01	17.39	18.82	14.82	15.20	15.90	16.28	17.71
	6H	16.60	16.90	17.69	17.99	19.43	15.41	15.71	16.50	16.80	18.24
	8H	16.89	17.16	17.99	18.24	19.72	15.69	15.95	16.78	17.03	18.52