

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: P1439405

Luminaire Tested: CB3-B-055U-030D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439405  
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-055U-030D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

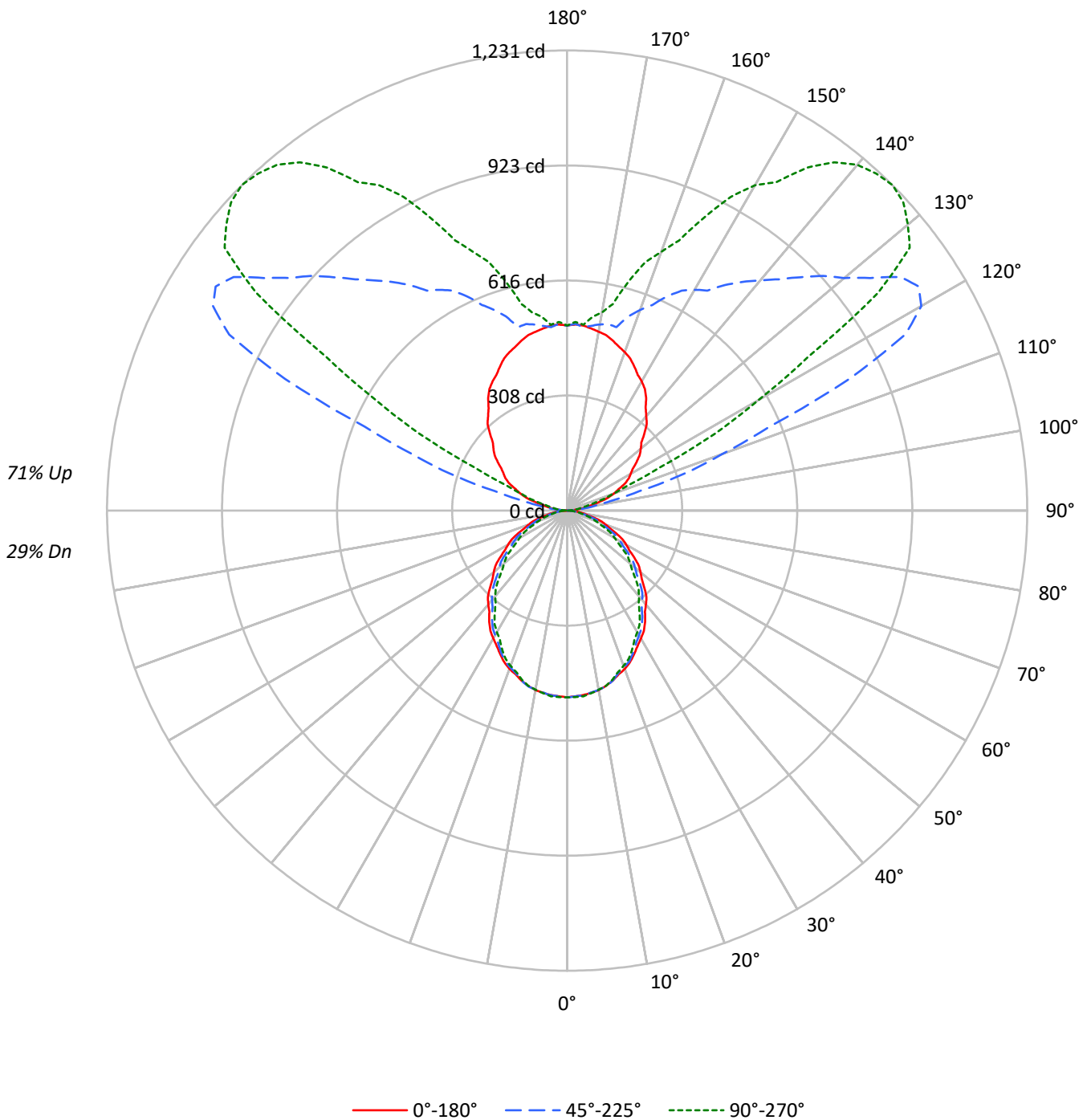
Lumens per Lamp: N/A  
Luminaire Lumens: 4105.9 lumens  
Efficiency: N/A  
Efficacy: 167.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 24.5  
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	29
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	31	25
2	85	78	72	67	76	70	65	61	55	52	49	42	39	37	29	28	27	21
3	77	68	61	56	69	62	56	51	49	45	41	37	34	32	26	24	23	18
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	20	15
5	65	54	46	40	58	49	42	37	39	34	30	29	26	24	21	19	17	13
6	60	48	40	35	53	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	31	27	23	24	21	18	17	15	13	11
8	51	39	32	27	46	36	29	25	29	24	20	22	19	16	16	14	12	9
9	47	36	29	24	43	32	26	22	26	21	18	20	17	14	15	12	11	9
10	44	33	26	21	40	30	24	19	24	19	16	19	15	13	14	11	10	8

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

	0°	45°	90°
0°	5653	5653	5653
5°	5627	5630	5663
10°	5602	5593	5593
15°	5516	5516	5482
20°	5427	5370	5323
25°	5290	5223	5130
30°	5159	5026	4905
35°	5024	4837	4666
40°	4843	4613	4413
45°	4679	4412	4140
50°	4510	4172	3873
55°	4326	3941	3620
60°	4128	3702	3333
65°	3895	3430	3031
70°	3626	3110	2699
75°	3287	2732	2404
80°	2867	2287	2124
85°	2207	1934	1934

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4679 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.1	1.1
10°-20°	132.4	3.2
20°-30°	192.4	4.7
30°-40°	218.8	5.3
40°-50°	212.4	5.2
50°-60°	179.3	4.4
60°-70°	127.6	3.1
70°-80°	68.2	1.7
80°-90°	18.0	0.4
90°-100°	33.5	0.8
100°-110°	175.3	4.3
110°-120°	441.3	10.7
120°-130°	680.8	16.6
130°-140°	623.2	15.2
140°-150°	460.0	11.2
150°-160°	293.2	7.1
160°-170°	154.4	3.8
170°-180°	48.1	1.2
0°-30°	372.0	9.1
0°-40°	590.7	14.4
0°-60°	982.4	23.9
0°-90°	1196.1	29.1
90°-120°	650.1	15.8
90°-150°	2414.1	58.8
90°-180°	2910.0	70.9
0°-180°	4105.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	500	500	500	500	500	
5°	495	502	496	495	499	47
15°	471	475	471	468	468	133
25°	424	425	418	413	411	195
35°	364	360	350	340	338	227
45°	292	288	276	262	259	226
55°	219	213	200	187	184	196
65°	146	140	128	117	113	144
75°	75	71	62	56	55	80
85°	17	16	15	15	15	20
90°	0	0	0	0	0	1
95°	17	49	20	11	11	22
105°	89	277	200	82	68	95
115°	170	347	832	362	275	166
125°	227	350	1090	1099	1016	203
135°	292	390	883	1204	1231	226
145°	368	426	737	1024	1120	229
155°	425	457	632	782	863	196
165°	471	484	508	594	634	133
175°	497	508	492	495	499	47
180°	495	495	495	495	495	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	499.6	499.6	499.6	499.6	499.6
2.5°	497.1	502.1	497.6	498.2	499.3
5°	495.4	501.6	495.7	495.1	498.6
7.5°	491.5	497.2	491.1	489.7	492.8
10°	487.6	493.8	486.8	485.1	486.8
12.5°	480.5	487.0	481.5	478.6	480.0
15°	470.9	475.0	470.9	468.0	468.0
17.5°	459.2	463.5	455.7	453.7	452.9
20°	450.7	454.5	446.0	443.2	442.1
22.5°	439.3	442.8	435.8	431.0	429.6
25°	423.7	425.1	418.4	412.6	410.9
27.5°	408.0	408.3	399.1	392.2	389.9
30°	394.9	395.3	384.7	377.2	375.4
32.5°	381.9	380.8	370.7	361.8	360.7
35°	363.7	360.2	350.2	339.9	337.8
37.5°	341.8	339.7	327.9	317.5	314.4
40°	327.9	324.4	312.3	301.9	298.8
42.5°	314.0	309.9	297.5	286.0	282.6
45°	292.4	287.9	275.7	262.5	258.7
47.5°	270.7	265.7	252.4	239.6	235.3
50°	256.2	251.0	237.0	224.5	220.0
52.5°	241.4	236.0	222.0	209.2	205.5
55°	219.3	213.4	199.8	186.9	183.5
57.5°	197.2	191.3	177.8	165.6	161.5
60°	182.4	176.8	163.6	151.4	147.3
62.5°	167.3	162.1	149.1	137.2	133.4
65°	145.5	140.3	128.1	116.7	113.2
67.5°	123.8	119.4	107.4	96.9	94.1
70°	109.6	105.5	94.0	84.4	81.6
72.5°	96.0	91.6	80.7	72.5	70.5
75°	75.2	71.1	62.5	56.0	55.0
77.5°	56.2	52.8	45.3	41.7	41.2
80°	44.0	40.9	35.1	32.6	32.6
82.5°	32.6	30.1	26.3	25.3	25.3
85°	17.0	15.6	14.9	14.9	14.9
87.5°	5.1	5.1	4.8	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.2	12.0	3.5	1.8	3.5
95°	17.4	49.4	19.6	10.9	10.9
97.5°	36.2	110.3	50.6	27.0	24.4
100°	50.1	156.7	78.5	39.1	34.9
102.5°	65.8	203.0	118.6	53.0	45.3
105°	89.4	276.9	200.5	82.5	67.6
107.5°	115.5	327.3	330.4	127.1	102.4
110°	132.9	348.2	440.2	166.9	128.6

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	148.6	353.6	586.7	227.6	175.7
115°	170.0	346.9	832.5	362.0	274.6
117.5°	185.7	330.2	1019.1	575.8	444.1
120°	196.1	330.4	1094.0	737.6	590.6
122.5°	208.3	332.4	1114.9	898.3	763.2
125°	226.7	350.2	1089.7	1098.7	1015.6
127.5°	245.0	363.4	1021.7	1181.0	1155.0
130°	257.2	372.2	967.6	1209.1	1189.9
132.5°	269.4	381.0	929.3	1209.7	1219.6
135°	292.0	390.1	882.6	1203.6	1231.3
137.5°	315.1	401.2	839.0	1165.5	1223.0
140°	329.1	410.1	804.2	1124.2	1207.3
142.5°	344.8	417.2	771.0	1086.0	1174.2
145°	368.3	425.8	736.6	1024.3	1120.2
147.5°	386.6	430.5	697.8	962.0	1041.3
150°	398.8	430.8	682.1	906.6	1004.7
152.5°	409.3	439.5	663.0	855.9	945.4
155°	425.0	456.9	632.0	782.0	863.0
157.5°	440.7	471.3	595.4	727.0	781.9
160°	451.1	476.7	571.0	700.4	736.6
162.5°	459.8	482.0	544.8	655.2	696.5
165°	470.7	483.5	507.8	593.7	634.2
167.5°	480.8	487.2	510.8	533.4	566.2
170°	486.0	492.4	505.6	527.6	538.3
172.5°	491.2	501.0	498.6	513.7	522.6
175°	496.9	507.5	492.5	494.8	499.1
177.5°	498.2	503.3	499.9	500.1	505.2
180°	494.7	494.7	494.7	494.7	494.7



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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	10.83	11.52	11.95	12.64	14.18	9.75	10.45	10.87	11.56	13.10
	3H	12.48	13.11	13.61	14.23	15.78	11.15	11.77	12.28	12.90	14.45
	4H	13.11	13.70	14.24	14.82	16.38	11.66	12.25	12.80	13.37	14.94
	6H	13.48	14.03	14.63	15.15	16.72	11.97	12.51	13.12	13.64	15.21
	8H	13.61	14.13	14.76	15.27	16.84	12.09	12.61	13.24	13.74	15.31
	12H	13.68	14.17	14.83	15.30	16.89	12.16	12.65	13.31	13.78	15.37
4H	2H	11.22	11.81	12.36	12.93	14.49	10.36	10.95	11.50	12.07	13.63
	3H	13.09	13.58	14.24	14.73	16.31	11.96	12.45	13.11	13.60	15.18
	4H	13.83	14.29	14.99	15.42	17.02	12.56	13.01	13.71	14.15	15.75
	6H	14.33	14.71	15.49	15.87	17.46	12.96	13.35	14.12	14.51	16.10
	8H	14.51	14.88	15.67	16.03	17.63	13.13	13.49	14.29	14.64	16.25
	12H	14.60	14.93	15.78	16.09	17.70	13.23	13.56	14.40	14.72	16.33
8H	4H	13.95	14.31	15.11	15.46	17.06	12.81	13.17	13.97	14.32	15.92
	6H	14.56	14.86	15.74	16.05	17.65	13.33	13.63	14.51	14.82	16.42
	8H	14.84	15.10	16.02	16.27	17.89	13.58	13.84	14.77	15.01	16.63
	12H	14.99	15.22	16.18	16.39	18.04	13.75	13.98	14.94	15.15	16.80
12H	4H	13.91	14.24	15.09	15.40	17.01	12.80	13.13	13.98	14.29	15.90
	6H	14.58	14.84	15.76	16.01	17.63	13.39	13.65	14.57	14.82	16.44
	8H	14.87	15.10	16.06	16.27	17.92	13.66	13.89	14.85	15.06	16.71