

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: P1438891

Luminaire Tested: CB2-B-055U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438891  
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-055U-055D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

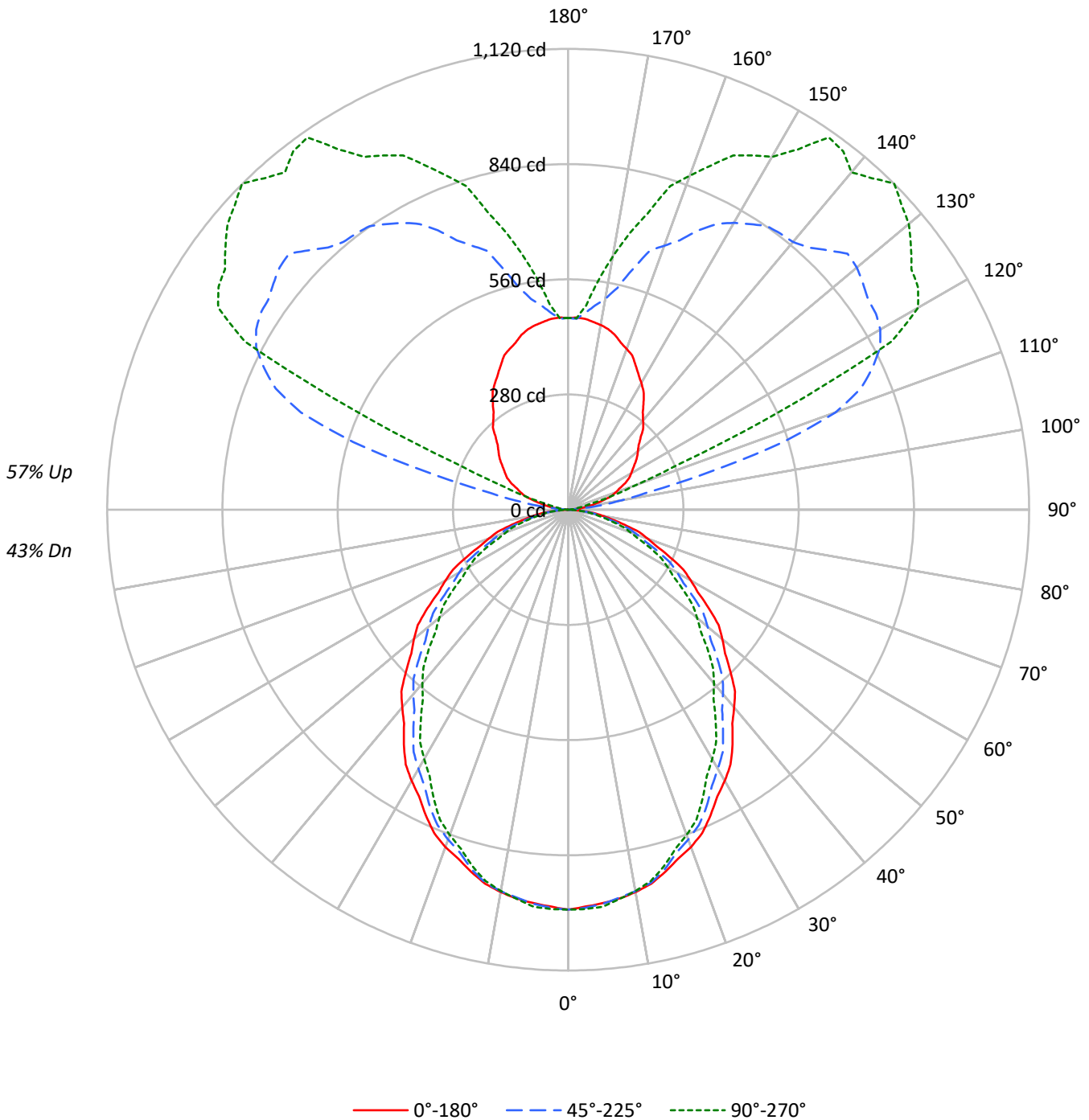
Lumens per Lamp: N/A  
Luminaire Lumens: 5327.7 lumens  
Efficiency: N/A  
Efficacy: 154.0 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 34.6  
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	49	49	49	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	57	54	49	47	45	39	37	36	31																				
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	34	32	30	26																				
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	28	26	22																				
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	33	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	15																				
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	18	16	14																				
9	50	38	30	25	45	35	28	24	29	24	21	24	21	18	20	17	15	13																				
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	15	13	11																				

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

	0°	45°	90°
0°	16930	16930	16930
5°	16786	16812	16930
10°	16690	16651	16639
15°	16427	16319	16185
20°	16168	15809	15588
25°	15734	15290	14861
30°	15297	14623	14070
35°	14797	13942	13276
40°	14265	13301	12523
45°	13732	12631	11789
50°	13250	11979	11072
55°	12657	11299	10397
60°	11980	10656	9722
65°	11255	9936	9050
70°	10460	9136	8189
75°	9516	8264	7416
80°	8506	7242	6720
85°	6535	5955	4916

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13732 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.4	1.7
10°-20°	254.8	4.8
20°-30°	366.4	6.9
30°-40°	411.8	7.7
40°-50°	397.8	7.5
50°-60°	336.1	6.3
60°-70°	241.4	4.5
70°-80°	131.9	2.5
80°-90°	35.0	0.7
90°-100°	34.9	0.7
100°-110°	216.2	4.1
110°-120°	545.1	10.2
120°-130°	655.3	12.3
130°-140°	594.1	11.2
140°-150°	473.8	8.9
150°-160°	323.2	6.1
160°-170°	170.9	3.2
170°-180°	47.6	0.9
0°-30°	712.6	13.4
0°-40°	1124.4	21.1
0°-60°	1858.2	34.9
0°-90°	2266.6	42.5
90°-120°	796.2	14.9
90°-150°	2519.4	47.3
90°-180°	3061.0	57.5
0°-180°	5327.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	972	972	972	972	972	
5°	960	973	962	962	968	91
15°	911	919	905	896	898	257
25°	819	819	796	778	773	377
35°	696	688	656	630	624	435
45°	558	546	513	486	479	431
55°	417	402	372	349	342	373
65°	273	263	241	224	220	271
75°	141	133	123	113	110	151
85°	33	31	30	26	25	39
90°	0	0	0	0	0	2
95°	18	46	14	10	10	23
105°	88	247	357	90	60	93
115°	153	337	815	759	578	150
125°	199	409	890	1012	1018	178
135°	249	453	892	1044	1120	194
145°	319	476	841	1014	1104	200
155°	388	486	749	903	950	178
165°	440	481	604	712	745	123
175°	466	472	480	488	498	44
180°	466	466	466	466	466	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	972.0	972.0	972.0	972.0	972.0
2.5°	965.5	977.1	968.4	969.7	971.4
5°	960.1	973.2	961.6	961.7	968.3
7.5°	953.3	965.6	951.0	948.3	954.4
10°	943.7	956.1	941.5	936.4	940.8
12.5°	931.2	943.0	929.0	920.9	924.7
15°	911.0	919.0	905.0	896.1	897.6
17.5°	889.0	893.9	873.8	866.3	864.8
20°	872.3	876.6	852.9	842.5	841.0
22.5°	850.8	854.6	829.7	816.9	814.8
25°	818.7	819.4	795.6	777.7	773.3
27.5°	785.1	782.7	756.3	735.1	729.4
30°	760.6	757.7	727.1	704.7	699.6
32.5°	734.4	729.2	698.6	674.3	669.2
35°	695.9	687.9	655.7	630.3	624.4
37.5°	654.8	645.8	614.2	586.5	579.9
40°	627.4	617.2	585.0	557.3	550.8
42.5°	600.0	588.7	555.8	528.1	521.0
45°	557.5	545.8	512.8	485.8	478.6
47.5°	517.0	502.1	470.1	443.3	436.0
50°	489.0	473.0	442.1	415.9	408.6
52.5°	460.4	443.8	414.1	389.1	381.8
55°	416.8	401.5	372.1	348.9	342.4
57.5°	373.6	358.9	332.1	309.9	303.5
60°	343.9	331.5	305.9	284.9	279.1
62.5°	315.3	304.1	279.7	260.5	254.7
65°	273.1	263.0	241.1	223.9	219.6
67.5°	232.2	222.0	204.4	188.9	184.0
70°	205.4	195.2	179.4	165.1	160.8
72.5°	179.8	169.0	156.1	143.1	139.9
75°	141.4	132.7	122.8	113.1	110.2
77.5°	107.5	99.0	91.8	85.0	84.3
80°	84.8	77.6	72.2	67.7	67.0
82.5°	63.4	57.9	54.3	51.1	50.9
85°	32.7	30.6	29.8	26.0	24.6
87.5°	9.5	9.5	8.3	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.8	8.0	3.2	3.2	3.2
95°	18.1	45.6	14.1	10.0	10.0
97.5°	37.8	109.2	75.9	20.4	17.7
100°	52.2	158.2	130.5	30.0	24.1
102.5°	66.7	201.0	206.0	47.6	36.9
105°	88.4	247.4	357.4	89.7	60.2
107.5°	109.6	277.7	547.8	185.1	111.6
110°	122.5	295.3	690.8	288.5	172.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	135.3	312.8	769.5	462.5	298.0
115°	152.6	337.2	815.3	758.9	578.3
117.5°	167.1	359.5	854.6	938.6	885.5
120°	176.7	377.0	875.5	964.3	981.9
122.5°	186.3	389.8	886.7	974.3	1007.6
125°	198.8	408.9	889.6	1012.2	1018.1
127.5°	211.2	423.3	902.8	1047.1	1049.8
130°	220.9	432.9	915.7	1058.7	1080.3
132.5°	232.1	441.0	920.5	1065.4	1098.0
135°	249.0	453.2	891.6	1043.9	1120.5
137.5°	270.3	461.9	863.9	1043.3	1092.8
140°	283.1	463.8	849.4	1066.4	1070.3
142.5°	297.6	468.8	846.2	1063.8	1097.6
145°	319.3	476.4	841.4	1014.1	1104.4
147.5°	341.0	481.2	822.9	959.2	1038.2
150°	355.4	483.0	805.2	940.9	990.0
152.5°	369.9	484.9	782.7	929.5	970.7
155°	387.6	485.7	749.0	902.7	949.8
157.5°	406.0	483.4	708.4	853.8	905.2
160°	415.7	480.5	682.7	818.3	863.5
162.5°	425.3	479.1	660.2	771.9	824.9
165°	439.8	481.0	604.4	711.6	745.0
167.5°	449.4	479.2	552.2	640.0	687.2
170°	455.8	479.4	520.1	585.2	624.5
172.5°	460.6	471.6	500.8	535.1	561.8
175°	465.9	471.8	479.9	488.2	498.0
177.5°	467.5	470.6	464.3	462.7	465.9
180°	465.9	465.9	465.9	465.9	465.9



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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	16.10	16.89	17.12	17.91	19.29	15.00	15.79	16.02	16.81	18.19
	3H	17.74	18.44	18.77	19.48	20.87	16.52	17.23	17.55	18.26	19.66
	4H	18.36	19.03	19.40	20.07	21.47	17.09	17.76	18.13	18.80	20.20
	6H	18.76	19.38	19.81	20.42	21.83	17.46	18.07	18.51	19.12	20.53
	8H	18.91	19.49	19.96	20.55	21.96	17.60	18.18	18.65	19.24	20.65
	12H	18.98	19.54	20.04	20.59	22.02	17.66	18.21	18.72	19.27	20.70
4H	2H	16.50	17.17	17.55	18.21	19.61	15.62	16.29	16.67	17.33	18.73
	3H	18.36	18.92	19.42	19.98	21.40	17.35	17.91	18.41	18.98	20.39
	4H	19.10	19.61	20.17	20.67	22.11	18.02	18.53	19.09	19.59	21.03
	6H	19.62	20.06	20.69	21.14	22.57	18.49	18.93	19.57	20.01	21.45
	8H	19.82	20.23	20.90	21.31	22.75	18.68	19.09	19.76	20.17	21.61
	12H	19.92	20.29	21.02	21.38	22.83	18.77	19.14	19.86	20.22	21.68
8H	4H	19.25	19.66	20.33	20.74	22.18	18.29	18.70	19.36	19.77	21.22
	6H	19.89	20.23	20.99	21.35	22.79	18.89	19.23	19.99	20.35	21.79
	8H	20.18	20.48	21.29	21.58	23.04	19.17	19.46	20.27	20.56	22.03
	12H	20.35	20.61	21.46	21.71	23.21	19.31	19.57	20.42	20.67	22.17
12H	4H	19.23	19.60	20.32	20.69	22.14	18.29	18.66	19.38	19.75	21.20
	6H	19.92	20.22	21.02	21.32	22.78	18.95	19.25	20.06	20.35	21.81
	8H	20.23	20.50	21.34	21.59	23.09	19.26	19.52	20.36	20.61	22.12