

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: P1438893

Luminaire Tested: CB2-B-055U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438893  
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-935-1D-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

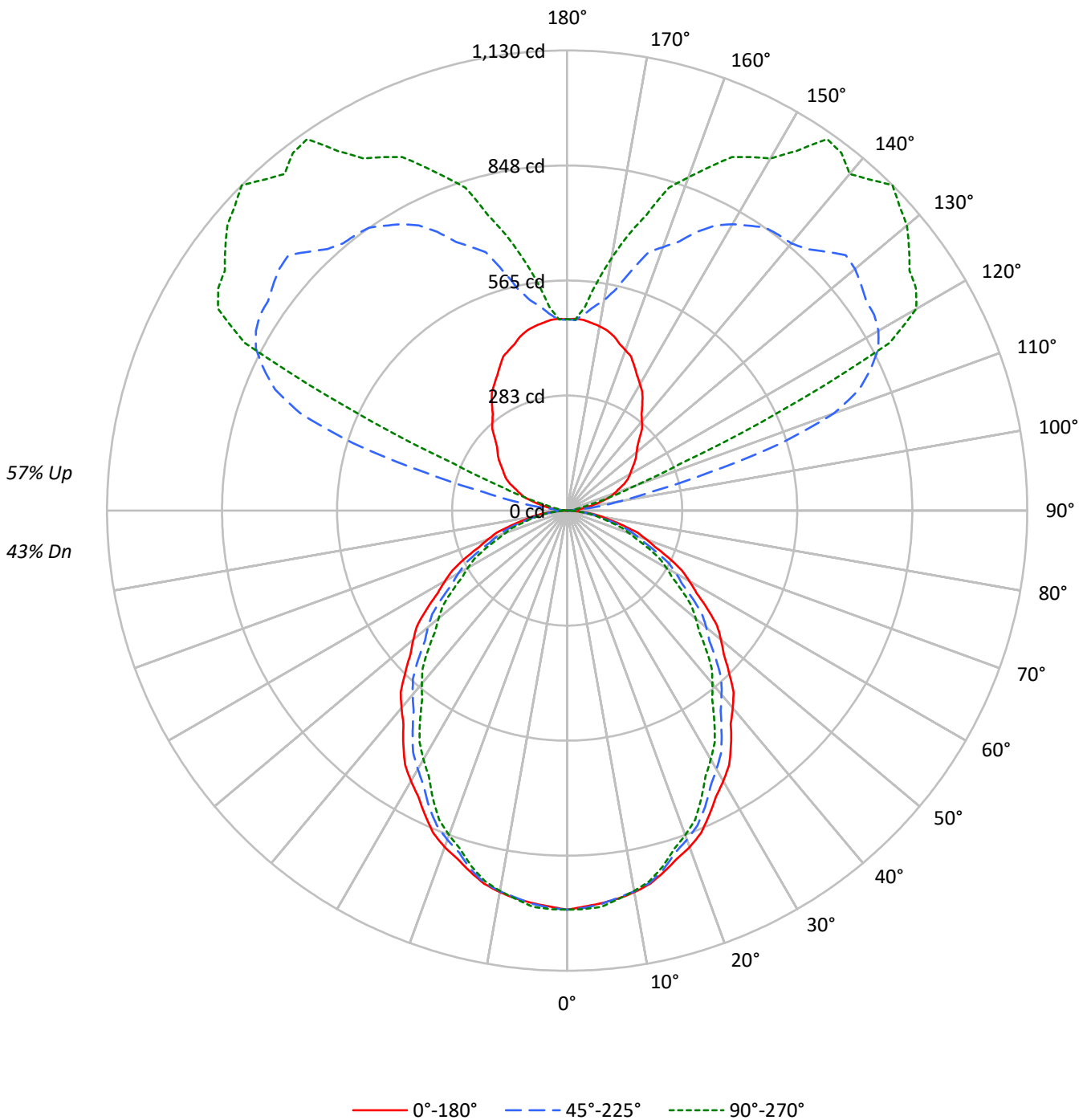
Lumens per Lamp: N/A  
Luminaire Lumens: 5371.5 lumens  
Efficiency: N/A  
Efficacy: 155.2 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

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									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°	17069	17069	17069
5°	16924	16951	17070
10°	16828	16788	16775
15°	16562	16454	16319
20°	16302	15938	15716
25°	15862	15417	14984
30°	15424	14744	14187
35°	14918	14057	13387
40°	14383	13410	12626
45°	13843	12735	11885
50°	13359	12077	11164
55°	12760	11393	10482
60°	12077	10743	9802
65°	11350	10019	9125
70°	10547	9207	8255
75°	9596	8331	7477
80°	8576	7302	6770
85°	6595	5995	4956

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13843 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.2	1.7
10°-20°	256.9	4.8
20°-30°	369.4	6.9
30°-40°	415.2	7.7
40°-50°	401.1	7.5
50°-60°	338.9	6.3
60°-70°	243.4	4.5
70°-80°	133.0	2.5
80°-90°	35.3	0.7
90°-100°	35.2	0.7
100°-110°	217.9	4.1
110°-120°	549.6	10.2
120°-130°	660.7	12.3
130°-140°	599.0	11.2
140°-150°	477.7	8.9
150°-160°	325.8	6.1
160°-170°	172.3	3.2
170°-180°	48.0	0.9
0°-30°	718.4	13.4
0°-40°	1133.6	21.1
0°-60°	1873.5	34.9
0°-90°	2285.3	42.5
90°-120°	802.7	14.9
90°-150°	2540.1	47.3
90°-180°	3086.0	57.5
0°-180°	5371.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	968	981	970	970	976	92
15°	918	926	912	904	905	259
25°	825	826	802	784	780	380
35°	702	694	661	635	630	438
45°	562	550	517	490	482	434
55°	420	405	375	352	345	376
65°	275	265	243	226	221	273
75°	143	134	124	114	111	153
85°	33	31	30	26	25	39
90°	0	0	0	0	0	2
95°	18	46	14	10	10	23
105°	89	249	360	90	61	94
115°	154	340	822	765	583	151
125°	200	412	897	1020	1026	179
135°	251	457	899	1052	1130	195
145°	322	480	848	1022	1114	201
155°	391	490	755	910	958	180
165°	443	485	609	718	751	124
175°	470	476	484	492	502	44
180°	470	470	470	470	470	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	980.0	980.0	980.0	980.0	980.0
2.5°	973.4	985.1	976.4	977.6	979.4
5°	968.0	981.2	969.5	969.7	976.3
7.5°	961.1	973.6	958.8	956.1	962.3
10°	951.5	964.0	949.2	944.1	948.5
12.5°	938.9	950.8	936.6	928.5	932.3
15°	918.5	926.5	912.5	903.5	905.0
17.5°	896.3	901.3	881.0	873.4	872.0
20°	879.5	883.9	859.9	849.4	847.9
22.5°	857.8	861.7	836.5	823.6	821.5
25°	825.4	826.2	802.2	784.1	779.7
27.5°	791.5	789.2	762.5	741.1	735.4
30°	766.9	764.0	733.1	710.5	705.4
32.5°	740.5	735.2	704.3	679.9	674.8
35°	701.6	693.5	661.1	635.4	629.6
37.5°	660.2	651.1	619.2	591.3	584.7
40°	632.6	622.3	589.8	561.9	555.3
42.5°	605.0	593.5	560.4	532.5	525.3
45°	562.0	550.3	517.0	489.8	482.5
47.5°	521.2	506.3	473.9	446.9	439.6
50°	493.0	476.9	445.7	419.3	412.0
52.5°	464.2	447.5	417.5	392.3	385.0
55°	420.2	404.8	375.2	351.8	345.2
57.5°	376.7	361.9	334.8	312.5	306.0
60°	346.7	334.2	308.4	287.3	281.4
62.5°	317.9	306.6	282.0	262.7	256.8
65°	275.4	265.1	243.1	225.8	221.4
67.5°	234.1	223.8	206.1	190.5	185.5
70°	207.1	196.8	180.8	166.5	162.1
72.5°	181.3	170.4	157.4	144.3	141.1
75°	142.6	133.8	123.8	114.0	111.1
77.5°	108.4	99.8	92.6	85.7	84.9
80°	85.5	78.2	72.8	68.3	67.5
82.5°	63.9	58.4	54.8	51.5	51.3
85°	33.0	30.8	30.0	26.2	24.8
87.5°	9.6	9.6	8.4	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.9	8.0	3.2	3.2	3.2
95°	18.2	45.9	14.2	10.1	10.1
97.5°	38.1	110.1	76.5	20.6	17.8
100°	52.6	159.5	131.6	30.2	24.3
102.5°	67.2	202.6	207.7	47.9	37.3
105°	89.1	249.4	360.4	90.4	60.7
107.5°	110.5	280.0	552.3	186.6	112.6
110°	123.5	297.7	696.4	290.9	174.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	136.5	315.4	775.8	466.3	300.4
115°	153.9	339.9	822.0	765.2	583.1
117.5°	168.4	362.4	861.7	946.3	892.8
120°	178.2	380.1	882.7	972.2	990.0
122.5°	187.9	393.0	894.0	982.3	1015.9
125°	200.4	412.2	896.9	1020.5	1026.5
127.5°	213.0	426.8	910.2	1055.7	1058.4
130°	222.7	436.5	923.2	1067.4	1089.2
132.5°	234.0	444.7	928.1	1074.2	1107.0
135°	251.0	456.9	898.9	1052.5	1129.7
137.5°	272.5	465.7	871.0	1051.9	1101.8
140°	285.5	467.6	856.4	1075.1	1079.1
142.5°	300.0	472.7	853.1	1072.6	1106.6
145°	321.9	480.3	848.3	1022.4	1113.5
147.5°	343.8	485.1	829.7	967.1	1046.7
150°	358.3	487.0	811.8	948.6	998.1
152.5°	372.9	488.9	789.2	937.1	978.7
155°	390.7	489.7	755.2	910.1	957.6
157.5°	409.4	487.4	714.3	860.8	912.7
160°	419.1	484.4	688.3	825.0	870.6
162.5°	428.8	483.0	665.7	778.2	831.7
165°	443.4	484.9	609.4	717.5	751.1
167.5°	453.1	483.2	556.8	645.3	692.8
170°	459.6	483.3	524.4	590.0	629.6
172.5°	464.4	475.5	504.9	539.5	566.5
175°	469.7	475.6	483.9	492.2	502.1
177.5°	471.3	474.5	468.1	466.5	469.7
180°	469.7	469.7	469.7	469.7	469.7

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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	16.13	16.91	17.15	17.94	19.32	15.03	15.82	16.05	16.84	18.22
	3H	17.77	18.47	18.80	19.51	20.90	16.55	17.26	17.58	18.29	19.69
	4H	18.39	19.06	19.43	20.10	21.50	17.12	17.79	18.16	18.83	20.23
	6H	18.79	19.41	19.84	20.45	21.86	17.49	18.10	18.54	19.15	20.56
	8H	18.94	19.52	19.99	20.58	21.99	17.62	18.21	18.68	19.27	20.68
	12H	19.01	19.56	20.07	20.62	22.05	17.68	18.24	18.75	19.30	20.73
4H	2H	16.53	17.20	17.58	18.23	19.64	15.65	16.32	16.70	17.36	18.76
	3H	18.39	18.95	19.45	20.01	21.43	17.38	17.94	18.44	19.01	20.42
	4H	19.13	19.64	20.20	20.70	22.14	18.05	18.56	19.12	19.62	21.06
	6H	19.65	20.09	20.72	21.17	22.60	18.52	18.96	19.60	20.04	21.47
	8H	19.85	20.26	20.92	21.33	22.78	18.71	19.12	19.78	20.19	21.64
	12H	19.95	20.32	21.04	21.41	22.86	18.80	19.17	19.89	20.25	21.71
8H	4H	19.28	19.69	20.36	20.77	22.21	18.32	18.73	19.39	19.80	21.25
	6H	19.92	20.26	21.02	21.38	22.82	18.92	19.26	20.02	20.37	21.82
	8H	20.21	20.51	21.31	21.61	23.07	19.19	19.49	20.30	20.59	22.05
	12H	20.38	20.64	21.49	21.74	23.24	19.34	19.60	20.45	20.70	22.20
12H	4H	19.26	19.63	20.35	20.72	22.17	18.32	18.69	19.41	19.78	21.23
	6H	19.95	20.25	21.05	21.35	22.81	18.98	19.28	20.09	20.38	21.84
	8H	20.26	20.52	21.37	21.62	23.12	19.29	19.55	20.39	20.64	22.14