

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: P1438895

Luminaire Tested: CB2-B-055U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438895  
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-940-1D-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: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

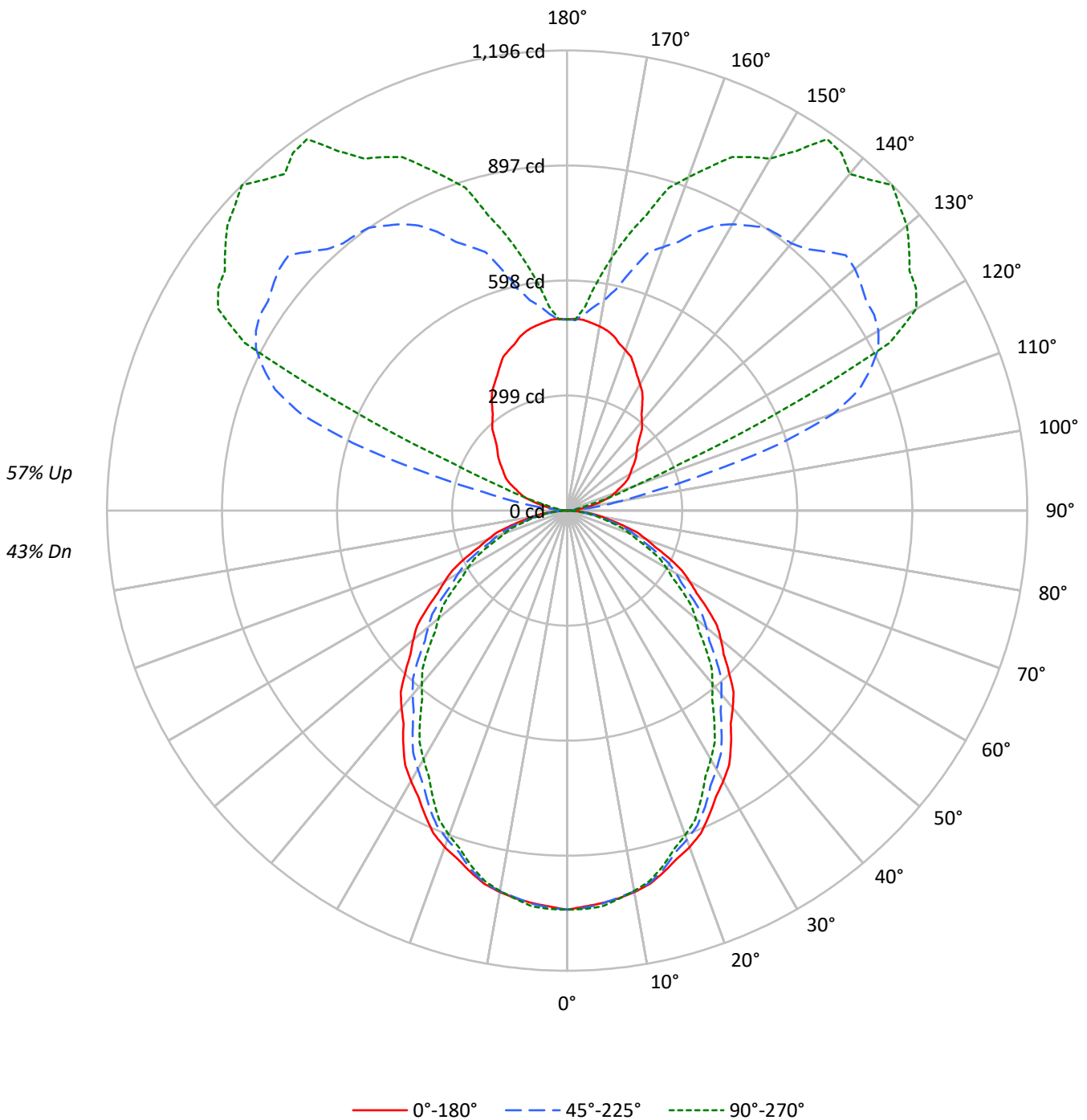
Lumens per Lamp: N/A  
Luminaire Lumens: 5684.9 lumens  
Efficiency: N/A  
Efficacy: 164.3 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

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				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	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°	18065	18065	18065
5°	17912	17940	18064
10°	17810	17767	17753
15°	17529	17413	17271
20°	17253	16869	16633
25°	16789	16316	15857
30°	16323	15605	15013
35°	15788	14877	14167
40°	15222	14192	13362
45°	14651	13479	12577
50°	14139	12781	11814
55°	13504	12058	11093
60°	12781	11370	10374
65°	12014	10604	9656
70°	11163	9747	8734
75°	10155	8816	7907
80°	9077	7723	7172
85°	6974	6355	5236

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14651 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.5	1.7
10°-20°	271.9	4.8
20°-30°	390.9	6.9
30°-40°	439.4	7.7
40°-50°	424.5	7.5
50°-60°	358.6	6.3
60°-70°	257.6	4.5
70°-80°	140.8	2.5
80°-90°	37.4	0.7
90°-100°	37.2	0.7
100°-110°	230.6	4.1
110°-120°	581.7	10.2
120°-130°	699.2	12.3
130°-140°	634.0	11.2
140°-150°	505.5	8.9
150°-160°	344.8	6.1
160°-170°	182.4	3.2
170°-180°	50.8	0.9
0°-30°	760.3	13.4
0°-40°	1199.7	21.1
0°-60°	1982.8	34.9
0°-90°	2418.6	42.5
90°-120°	849.6	14.9
90°-150°	2688.3	47.3
90°-180°	3266.0	57.5
0°-180°	5684.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1037	1037	1037	1037	1037	
5°	1024	1038	1026	1026	1033	97
15°	972	981	966	956	958	274
25°	874	874	849	830	825	402
35°	742	734	700	672	666	464
45°	595	582	547	518	511	460
55°	445	428	397	372	365	398
65°	292	281	257	239	234	289
75°	151	142	131	121	118	161
85°	35	33	32	28	26	42
90°	0	0	0	0	0	2
95°	19	49	15	11	11	24
105°	94	264	381	96	64	99
115°	163	360	870	810	617	160
125°	212	436	949	1080	1086	190
135°	266	484	951	1114	1196	207
145°	341	508	898	1082	1178	213
155°	414	518	799	963	1014	190
165°	469	513	645	759	795	132
175°	497	503	512	521	531	47
180°	497	497	497	497	497	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1037.2	1037.2	1037.2	1037.2	1037.2
2.5°	1030.2	1042.6	1033.4	1034.7	1036.5
5°	1024.5	1038.4	1026.1	1026.2	1033.2
7.5°	1017.2	1030.4	1014.8	1011.9	1018.4
10°	1007.0	1020.2	1004.6	999.2	1003.8
12.5°	993.7	1006.2	991.3	982.6	986.7
15°	972.1	980.6	965.7	956.2	957.8
17.5°	948.5	953.8	932.3	924.4	922.8
20°	930.8	935.4	910.1	899.0	897.4
22.5°	907.9	911.9	885.3	871.6	869.4
25°	873.6	874.4	849.0	829.8	825.1
27.5°	837.7	835.2	807.0	784.3	778.3
30°	811.6	808.5	775.9	751.9	746.5
32.5°	783.7	778.1	745.4	719.5	714.1
35°	742.5	734.0	699.7	672.5	666.3
37.5°	698.7	689.1	655.3	625.8	618.8
40°	669.5	658.6	624.2	594.7	587.7
42.5°	640.3	628.1	593.1	563.5	555.9
45°	594.8	582.4	547.2	518.4	510.6
47.5°	551.6	535.8	501.6	473.0	465.2
50°	521.8	504.7	471.7	443.8	436.0
52.5°	491.3	473.6	441.9	415.2	407.4
55°	444.7	428.4	397.1	372.3	365.3
57.5°	398.7	383.0	354.4	330.7	323.9
60°	366.9	353.7	326.4	304.0	297.8
62.5°	336.4	324.4	298.4	278.0	271.8
65°	291.5	280.6	257.3	238.9	234.3
67.5°	247.8	236.9	218.1	201.6	196.3
70°	219.2	208.3	191.4	176.2	171.5
72.5°	191.9	180.4	166.6	152.7	149.3
75°	150.9	141.6	131.0	120.6	117.5
77.5°	114.7	105.7	98.0	90.7	89.9
80°	90.5	82.8	77.0	72.3	71.5
82.5°	67.7	61.8	58.0	54.5	54.3
85°	34.9	32.6	31.8	27.8	26.2
87.5°	10.2	10.2	8.9	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.1	8.5	3.4	3.4	3.4
95°	19.3	48.6	15.0	10.7	10.7
97.5°	40.3	116.5	81.0	21.8	18.9
100°	55.7	168.8	139.3	32.0	25.7
102.5°	71.1	214.4	219.8	50.7	39.4
105°	94.3	264.0	381.4	95.7	64.3
107.5°	117.0	296.3	584.5	197.5	119.1
110°	130.7	315.1	737.1	307.9	184.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	144.4	333.8	821.1	493.5	318.0
115°	162.8	359.8	869.9	809.8	617.1
117.5°	178.3	383.6	911.9	1001.5	944.9
120°	188.6	402.2	934.2	1028.9	1047.8
122.5°	198.8	415.9	946.2	1039.6	1075.2
125°	212.1	436.3	949.2	1080.0	1086.3
127.5°	225.4	451.7	963.3	1117.2	1120.2
130°	235.7	462.0	977.0	1129.7	1152.7
132.5°	247.7	470.6	982.2	1136.8	1171.6
135°	265.7	483.6	951.3	1113.9	1195.6
137.5°	288.4	492.9	921.8	1113.2	1166.0
140°	302.1	494.9	906.3	1137.8	1142.0
142.5°	317.5	500.2	902.9	1135.1	1171.2
145°	340.7	508.3	897.8	1082.1	1178.5
147.5°	363.8	513.4	878.1	1023.5	1107.7
150°	379.2	515.4	859.2	1004.0	1056.3
152.5°	394.7	517.4	835.2	991.8	1035.8
155°	413.5	518.3	799.2	963.2	1013.5
157.5°	433.2	515.8	755.9	911.0	965.9
160°	443.5	512.7	728.5	873.2	921.3
162.5°	453.8	511.2	704.5	823.6	880.2
165°	469.2	513.2	644.9	759.3	794.9
167.5°	479.5	511.4	589.2	682.9	733.2
170°	486.4	511.5	554.9	624.5	666.4
172.5°	491.5	503.3	534.4	571.0	599.5
175°	497.1	503.4	512.1	520.9	531.4
177.5°	498.8	502.2	495.4	493.7	497.1
180°	497.1	497.1	497.1	497.1	497.1



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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	16.32	17.11	17.34	18.14	19.51	15.22	16.01	16.24	17.04	18.41
	3H	17.96	18.67	18.99	19.71	21.10	16.75	17.45	17.78	18.49	19.88
	4H	18.59	19.26	19.63	20.30	21.70	17.31	17.98	18.36	19.02	20.43
	6H	18.99	19.60	20.04	20.65	22.06	17.68	18.30	18.74	19.34	20.76
	8H	19.13	19.72	20.19	20.78	22.19	17.82	18.41	18.88	19.47	20.88
	12H	19.20	19.76	20.27	20.81	22.25	17.88	18.44	18.94	19.49	20.93
4H	2H	16.72	17.39	17.77	18.43	19.83	15.85	16.52	16.90	17.56	18.96
	3H	18.59	19.14	19.64	20.21	21.63	17.58	18.13	18.63	19.20	20.62
	4H	19.33	19.84	20.39	20.90	22.34	18.25	18.76	19.31	19.82	21.25
	6H	19.85	20.28	20.92	21.37	22.80	18.72	19.16	19.79	20.24	21.67
	8H	20.05	20.46	21.12	21.53	22.98	18.91	19.32	19.98	20.39	21.84
	12H	20.15	20.52	21.24	21.61	23.06	18.99	19.36	20.08	20.45	21.90
8H	4H	19.48	19.89	20.55	20.96	22.41	18.52	18.93	19.59	20.00	21.45
	6H	20.12	20.46	21.22	21.57	23.02	19.12	19.46	20.21	20.57	22.02
	8H	20.41	20.71	21.51	21.80	23.27	19.39	19.69	20.49	20.79	22.25
	12H	20.58	20.84	21.69	21.94	23.44	19.54	19.80	20.65	20.89	22.40
12H	4H	19.46	19.83	20.55	20.91	22.37	18.52	18.89	19.61	19.97	21.43
	6H	20.15	20.44	21.25	21.54	23.01	19.18	19.48	20.28	20.58	22.04
	8H	20.46	20.72	21.57	21.82	23.32	19.48	19.74	20.59	20.84	22.34