

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: P1439439

Luminaire Tested: CB3-B-085U-030D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439439  
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-085U-030D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

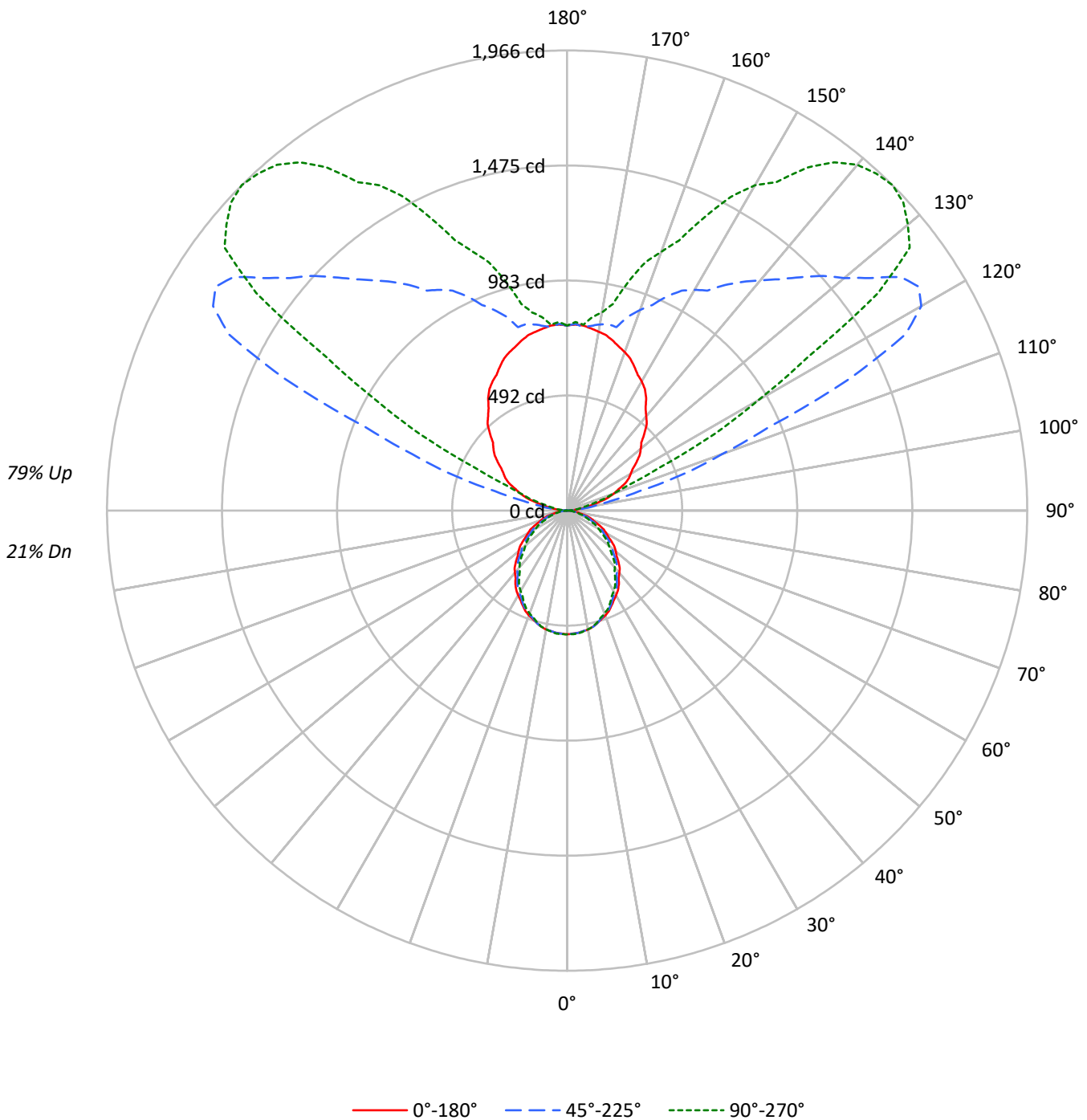
Lumens per Lamp: N/A  
Luminaire Lumens: 5912.6 lumens  
Efficiency: N/A  
Efficacy: 182.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 32.4  
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										
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	100	100	100	100	89	89	89	89	67	67	67	48	48	48	30	30	30	21																				
1	91	87	84	80	81	78	74	72	59	57	55	42	41	40	26	26	25	18																				
2	83	76	71	66	74	68	63	59	52	49	46	37	35	33	23	22	21	15																				
3	76	67	60	55	67	60	54	49	46	42	39	33	30	28	21	19	18	13																				
4	69	59	52	46	61	53	46	42	41	36	33	29	26	24	19	17	16	11																				
5	64	53	45	39	56	47	40	36	36	32	28	26	23	21	17	15	14	10																				
6	58	47	39	34	52	42	35	31	32	28	24	24	20	18	15	13	12	9																				
7	54	42	35	29	48	38	31	27	29	25	21	21	18	16	14	12	11	8																				
8	50	38	31	26	44	34	28	23	27	22	19	19	16	14	13	11	10	7																				
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6																				
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	11	9	8	6																				

**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	0.8
10°-20°	140.2	2.4
20°-30°	203.6	3.4
30°-40°	231.5	3.9
40°-50°	224.8	3.8
50°-60°	189.8	3.2
60°-70°	135.0	2.3
70°-80°	72.1	1.2
80°-90°	19.1	0.3
90°-100°	53.4	0.9
100°-110°	280.0	4.7
110°-120°	704.7	11.9
120°-130°	1087.2	18.4
130°-140°	995.3	16.8
140°-150°	734.6	12.4
150°-160°	468.2	7.9
160°-170°	246.5	4.2
170°-180°	76.8	1.3
0°-30°	393.7	6.7
0°-40°	625.2	10.6
0°-60°	1039.7	17.6
0°-90°	1265.9	21.4
90°-120°	1038.1	17.6
90°-150°	3855.2	65.2
90°-180°	4647.0	78.6
0°-180°	5912.6	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	2
95°	28	79	31	17	17	35
105°	143	442	320	132	108	152
115°	272	554	1330	578	438	264
125°	362	559	1740	1754	1622	324
135°	466	623	1410	1922	1966	360
145°	588	680	1176	1636	1789	366
155°	679	730	1009	1249	1378	313
165°	752	772	811	948	1013	212
175°	794	810	786	790	797	75
180°	790	790	790	790	790	

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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°	8.4	19.2	5.6	2.8	5.6
95°	27.8	78.9	31.3	17.4	17.4
97.5°	57.8	176.2	80.7	43.1	39.0
100°	80.0	250.2	125.3	62.5	55.7
102.5°	105.1	324.3	189.3	84.6	72.4
105°	142.7	442.1	320.2	131.7	107.9
107.5°	184.5	522.7	527.6	203.0	163.6
110°	212.3	556.0	703.0	266.6	205.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	237.4	564.7	936.9	363.5	280.5
115°	271.5	553.9	1329.5	578.0	438.5
117.5°	296.5	527.2	1627.4	919.6	709.3
120°	313.2	527.6	1747.1	1178.0	943.2
122.5°	332.7	530.8	1780.5	1434.5	1218.8
125°	361.9	559.3	1740.1	1754.5	1621.8
127.5°	391.2	580.4	1631.6	1886.1	1844.5
130°	410.7	594.4	1545.2	1930.9	1900.2
132.5°	430.2	608.5	1484.0	1931.9	1947.6
135°	466.4	622.9	1409.5	1922.1	1966.4
137.5°	503.2	640.7	1339.9	1861.3	1953.1
140°	525.5	654.8	1284.2	1795.4	1928.1
142.5°	550.6	666.3	1231.3	1734.3	1875.2
145°	588.2	680.0	1176.3	1635.7	1788.9
147.5°	617.4	687.5	1114.4	1536.3	1662.9
150°	636.9	687.9	1089.3	1447.9	1604.4
152.5°	653.6	701.9	1058.7	1366.8	1509.7
155°	678.7	729.7	1009.3	1248.9	1378.2
157.5°	703.7	752.7	950.8	1160.9	1248.7
160°	720.4	761.3	911.8	1118.5	1176.3
162.5°	734.3	769.7	870.1	1046.3	1112.3
165°	751.7	772.2	810.9	948.1	1012.8
167.5°	767.7	778.0	815.8	851.8	904.2
170°	776.1	786.3	807.4	842.6	859.6
172.5°	784.5	800.1	796.3	820.3	834.6
175°	793.5	810.5	786.5	790.2	797.0
177.5°	795.6	803.8	798.4	798.6	806.7
180°	790.0	790.0	790.0	790.0	790.0



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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	9.80	10.45	10.97	11.60	13.23	8.72	9.37	9.89	10.53	12.15
	3H	11.45	12.03	12.63	13.19	14.84	10.12	10.70	11.30	11.86	13.51
	4H	12.07	12.62	13.26	13.78	15.43	10.63	11.18	11.81	12.34	13.99
	6H	12.45	12.95	13.64	14.12	15.78	10.93	11.44	12.13	12.60	14.26
	8H	12.58	13.06	13.77	14.24	15.89	11.05	11.53	12.25	12.71	14.36
	12H	12.64	13.09	13.84	14.27	15.94	11.12	11.58	12.32	12.75	14.42
4H	2H	10.18	10.73	11.38	11.90	13.54	9.32	9.88	10.52	11.04	12.69
	3H	12.05	12.51	13.25	13.70	15.36	10.92	11.38	12.12	12.57	14.23
	4H	12.79	13.22	13.99	14.39	16.07	11.52	11.94	12.72	13.12	14.80
	6H	13.28	13.64	14.49	14.84	16.51	11.92	12.28	13.12	13.48	15.15
	8H	13.47	13.81	14.67	15.00	16.68	12.09	12.42	13.29	13.61	15.30
	12H	13.56	13.86	14.77	15.06	16.75	12.18	12.49	13.40	13.69	15.37
8H	4H	12.90	13.24	14.11	14.43	16.11	11.77	12.10	12.97	13.29	14.98
	6H	13.52	13.79	14.74	15.02	16.70	12.29	12.56	13.51	13.79	15.47
	8H	13.79	14.03	15.01	15.24	16.94	12.54	12.78	13.76	13.98	15.68
	12H	13.94	14.16	15.17	15.36	17.09	12.70	12.91	13.93	14.12	15.85
12H	4H	12.87	13.17	14.08	14.37	16.06	11.76	12.06	12.97	13.26	14.95
	6H	13.53	13.77	14.76	14.98	16.68	12.34	12.58	13.57	13.79	15.49
	8H	13.82	14.03	15.05	15.24	16.97	12.61	12.82	13.84	14.03	15.76