

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: P1439400

Luminaire Tested: CB3-B-030U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439400  
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-030U-120D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

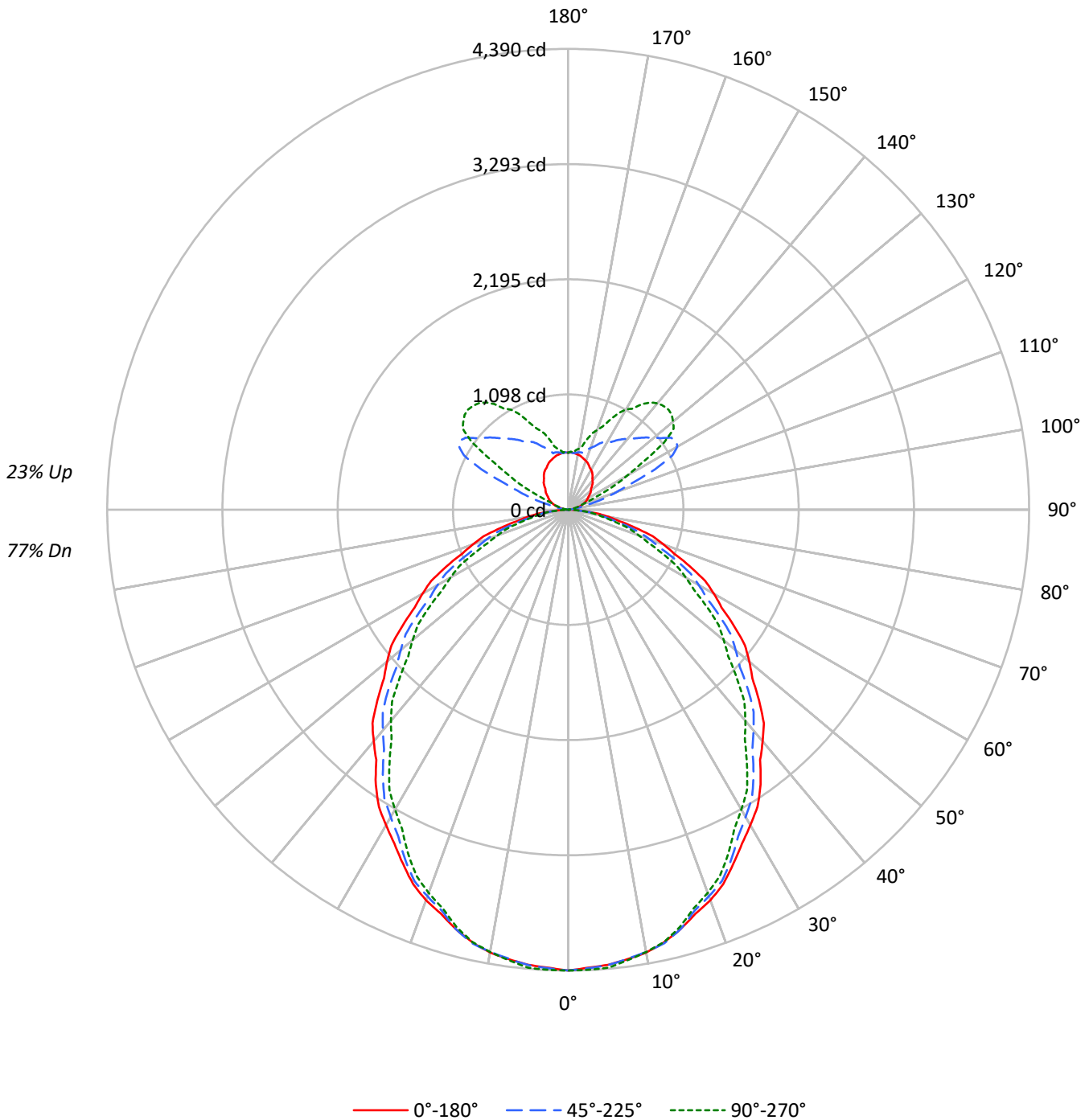
Lumens per Lamp: N/A  
Luminaire Lumens: 13700.0 lumens  
Efficiency: N/A  
Efficacy: 144.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 94.6  
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

TEST NUMBER: P1439400

CATALOG NUMBER: CB3-B-030U-120D-940-1D-UNV-STD-W-8

### Luminous Intensity Polar Plot





TEST NUMBER: P1439400

CATALOG NUMBER: CB3-B-030U-120D-940-1D-UNV-STD-W-8

**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	50	30	10	50	30	10	0		
RCR																										
0	114	114	114	114	108	108	108	108	98	98	98	89	89	89	81	81	81	77						77		
1	104	100	96	92	99	95	92	88	87	84	81	79	77	75	72	70	69						65			
2	95	87	81	76	90	84	78	73	76	72	68	70	66	63	64	61	58						55			
3	87	77	70	64	83	74	67	62	68	62	58	62	57	54	57	53	50						47			
4	80	69	60	54	76	66	58	53	60	54	49	55	50	46	51	47	43						40			
5	73	61	53	47	70	59	51	45	54	48	43	50	45	40	46	41	38						35			
6	68	55	47	41	64	53	45	40	49	43	38	45	40	36	42	37	34						31			
7	63	50	42	36	60	48	41	35	45	38	33	41	36	32	38	34	30						28			
8	59	46	38	32	56	44	37	32	41	35	30	38	32	28	35	30	27						25			
9	55	42	34	29	52	41	33	28	38	31	27	35	30	26	33	28	24						22			
10	51	39	31	26	49	37	30	26	35	29	25	33	27	23	30	26	22						20			

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

	0°	45°	90°
0°	24834	24834	24834
5°	24717	24734	24876
10°	24609	24572	24572
15°	24232	24232	24085
20°	23838	23594	23387
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20499
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18330	17013
55°	19004	17313	15898
60°	18132	16262	14640
65°	17112	15066	13314
70°	15935	13666	11861
75°	14448	11994	10564
80°	12595	10057	9344
85°	9717	8497	8497

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20554 cd/sqm



TEST NUMBER: P1439400

CATALOG NUMBER: CB3-B-030U-120D-940-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	414.2	3.0
10°-20°	1163.6	8.5
20°-30°	1690.6	12.3
30°-40°	1922.1	14.0
40°-50°	1865.9	13.6
50°-60°	1575.4	11.5
60°-70°	1120.8	8.2
70°-80°	598.9	4.4
80°-90°	158.2	1.2
90°-100°	36.7	0.3
100°-110°	192.2	1.4
110°-120°	483.9	3.5
120°-130°	746.5	5.4
130°-140°	683.3	5.0
140°-150°	504.3	3.7
150°-160°	321.5	2.3
160°-170°	169.2	1.2
170°-180°	52.7	0.4
0°-30°	3268.4	23.9
0°-40°	5190.5	37.9
0°-60°	8631.8	63.0
0°-90°	10509.7	76.7
90°-120°	712.8	5.2
90°-150°	2646.9	19.3
90°-180°	3190.0	23.3
0°-180°	13700.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4390	4390	4390	4390	4390	
5°	4352	4407	4356	4350	4380	413
15°	4137	4174	4137	4112	4112	1165
25°	3723	3735	3676	3626	3610	1715
35°	3196	3165	3077	2986	2968	1991
45°	2569	2529	2422	2306	2273	1982
55°	1927	1875	1755	1642	1612	1723
65°	1278	1232	1126	1025	995	1266
75°	661	624	549	492	483	705
85°	150	138	131	131	131	177
90°	0	0	0	0	0	7
95°	19	54	22	12	12	24
105°	98	304	220	90	74	105
115°	186	380	913	397	301	182
125°	248	384	1195	1205	1114	222
135°	320	428	968	1320	1350	247
145°	404	467	808	1123	1228	251
155°	466	501	693	857	946	215
165°	516	530	557	651	695	145
175°	545	556	540	542	547	52
180°	542	542	542	542	542	

TEST NUMBER: P1439400

CATALOG NUMBER: CB3-B-030U-120D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4389.8	4389.8	4389.8	4389.8	4389.8
2.5°	4367.3	4411.2	4372.3	4377.5	4387.3
5°	4352.4	4407.2	4355.5	4350.0	4380.4
7.5°	4318.7	4368.7	4315.0	4302.5	4329.9
10°	4283.8	4338.7	4277.5	4262.3	4277.5
12.5°	4221.4	4278.7	4230.2	4204.9	4217.7
15°	4137.3	4173.8	4137.3	4112.3	4112.3
17.5°	4034.4	4072.8	4003.8	3986.2	3979.5
20°	3959.5	3993.1	3919.0	3893.9	3884.7
22.5°	3859.8	3890.9	3829.2	3786.6	3775.0
25°	3722.6	3734.8	3675.8	3625.6	3610.4
27.5°	3584.8	3587.8	3506.8	3445.9	3425.8
30°	3470.1	3473.1	3379.6	3313.8	3298.6
32.5°	3355.3	3346.2	3257.4	3179.2	3168.9
35°	3195.7	3165.2	3077.2	2986.4	2968.1
37.5°	3003.0	2984.7	2880.8	2789.8	2762.3
40°	2880.8	2850.3	2743.6	2652.6	2625.1
42.5°	2758.6	2723.2	2613.9	2512.8	2483.0
45°	2569.0	2529.4	2422.5	2306.4	2272.8
47.5°	2378.2	2334.9	2217.3	2104.9	2067.7
50°	2251.0	2205.3	2082.7	1972.6	1933.0
52.5°	2121.3	2073.1	1950.5	1838.1	1805.8
55°	1926.8	1874.9	1755.3	1642.4	1611.9
57.5°	1732.2	1681.0	1562.0	1455.2	1418.6
60°	1602.5	1553.7	1437.3	1330.4	1293.9
62.5°	1470.3	1424.0	1310.1	1205.8	1171.6
65°	1278.3	1232.5	1125.5	1025.0	994.6
67.5°	1088.1	1049.1	943.4	851.2	826.8
70°	963.4	926.8	826.2	741.5	717.1
72.5°	843.7	804.6	709.0	636.9	619.8
75°	661.0	624.4	548.7	492.4	483.3
77.5°	493.9	464.0	398.4	366.5	361.7
80°	386.6	359.2	308.7	286.8	286.8
82.5°	286.8	264.3	231.3	222.0	222.0
85°	149.7	137.5	130.9	130.9	130.9
87.5°	44.9	44.9	42.4	39.9	39.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.7	13.2	3.8	2.0	3.8
95°	19.1	54.2	21.5	11.9	11.9
97.5°	39.7	121.0	55.4	29.6	26.8
100°	55.0	171.8	86.0	42.9	38.2
102.5°	72.2	222.6	130.0	58.1	49.7
105°	98.0	303.6	219.8	90.4	74.1
107.5°	126.6	358.9	362.2	139.4	112.3
110°	145.8	381.7	482.7	183.0	141.0



TEST NUMBER: P1439400

CATALOG NUMBER: CB3-B-030U-120D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	163.0	387.7	643.2	249.6	192.6
115°	186.4	380.3	912.8	396.9	301.1
117.5°	203.6	362.0	1117.3	631.4	487.0
120°	215.1	362.2	1199.5	808.8	647.5
122.5°	228.4	364.4	1222.4	984.9	836.8
125°	248.5	384.0	1194.7	1204.6	1113.5
127.5°	268.6	398.5	1120.2	1294.9	1266.4
130°	282.0	408.1	1060.9	1325.7	1304.6
132.5°	295.3	417.8	1018.9	1326.4	1337.1
135°	320.2	427.7	967.7	1319.7	1350.0
137.5°	345.5	439.9	919.9	1277.9	1341.0
140°	360.8	449.6	881.7	1232.6	1323.8
142.5°	378.0	457.4	845.4	1190.7	1287.4
145°	403.8	466.9	807.6	1123.0	1228.2
147.5°	423.9	472.0	765.1	1054.8	1141.7
150°	437.3	472.3	747.9	994.1	1101.5
152.5°	448.7	481.9	726.9	938.4	1036.5
155°	465.9	501.0	692.9	857.4	946.2
157.5°	483.1	516.8	652.8	797.1	857.3
160°	494.6	522.7	626.0	767.9	807.6
162.5°	504.2	528.5	597.4	718.3	763.7
165°	516.1	530.1	556.7	650.9	695.3
167.5°	527.1	534.1	560.1	584.8	620.8
170°	532.9	539.9	554.4	578.5	590.2
172.5°	538.6	549.3	546.7	563.2	573.0
175°	544.8	556.5	540.0	542.5	547.2
177.5°	546.2	551.8	548.1	548.3	553.9
180°	542.4	542.4	542.4	542.4	542.4



TEST NUMBER: P1439400  
 CATALOG NUMBER: CB3-B-030U-120D-940-1D-UNV-STD-W-8

**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	20.49	21.64	21.18	22.35	23.18	19.41	20.56	20.10	21.27	22.10
	3H	22.18	23.21	22.88	23.93	24.79	20.85	21.88	21.55	22.59	23.46
	4H	22.82	23.79	23.55	24.52	25.40	21.38	22.35	22.10	23.08	23.95
	6H	23.22	24.12	23.96	24.86	25.75	21.71	22.61	22.45	23.34	24.23
	8H	23.37	24.22	24.11	24.98	25.87	21.84	22.69	22.59	23.45	24.35
	12H	23.44	24.26	24.20	25.01	25.93	21.93	22.74	22.68	23.49	24.41
4H	2H	20.93	21.90	21.66	22.63	23.51	20.07	21.05	20.80	21.77	22.65
	3H	22.85	23.66	23.59	24.42	25.32	21.72	22.53	22.46	23.29	24.19
	4H	23.61	24.34	24.36	25.11	26.03	22.34	23.07	23.09	23.84	24.76
	6H	24.13	24.76	24.90	25.55	26.49	22.77	23.40	23.54	24.19	25.12
	8H	24.32	24.92	25.10	25.71	26.65	22.94	23.54	23.72	24.32	25.27
	12H	24.44	24.97	25.23	25.78	26.73	23.06	23.59	23.86	24.40	25.35
8H	4H	23.76	24.35	24.54	25.14	26.08	22.62	23.21	23.40	24.00	24.95
	6H	24.39	24.88	25.20	25.71	26.66	23.16	23.65	23.97	24.48	25.43
	8H	24.67	25.11	25.49	25.93	26.90	23.42	23.85	24.23	24.68	25.64
	12H	24.85	25.23	25.67	26.05	27.07	23.60	23.99	24.42	24.81	25.83
12H	4H	23.75	24.28	24.54	25.09	26.04	22.64	23.17	23.43	23.98	24.93
	6H	24.41	24.85	25.23	25.67	26.64	23.22	23.66	24.04	24.49	25.45
	8H	24.72	25.11	25.54	25.93	26.95	23.52	23.90	24.34	24.72	25.74