

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: P1439379

Luminaire Tested: CB3-B-030U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439379  
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-055D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

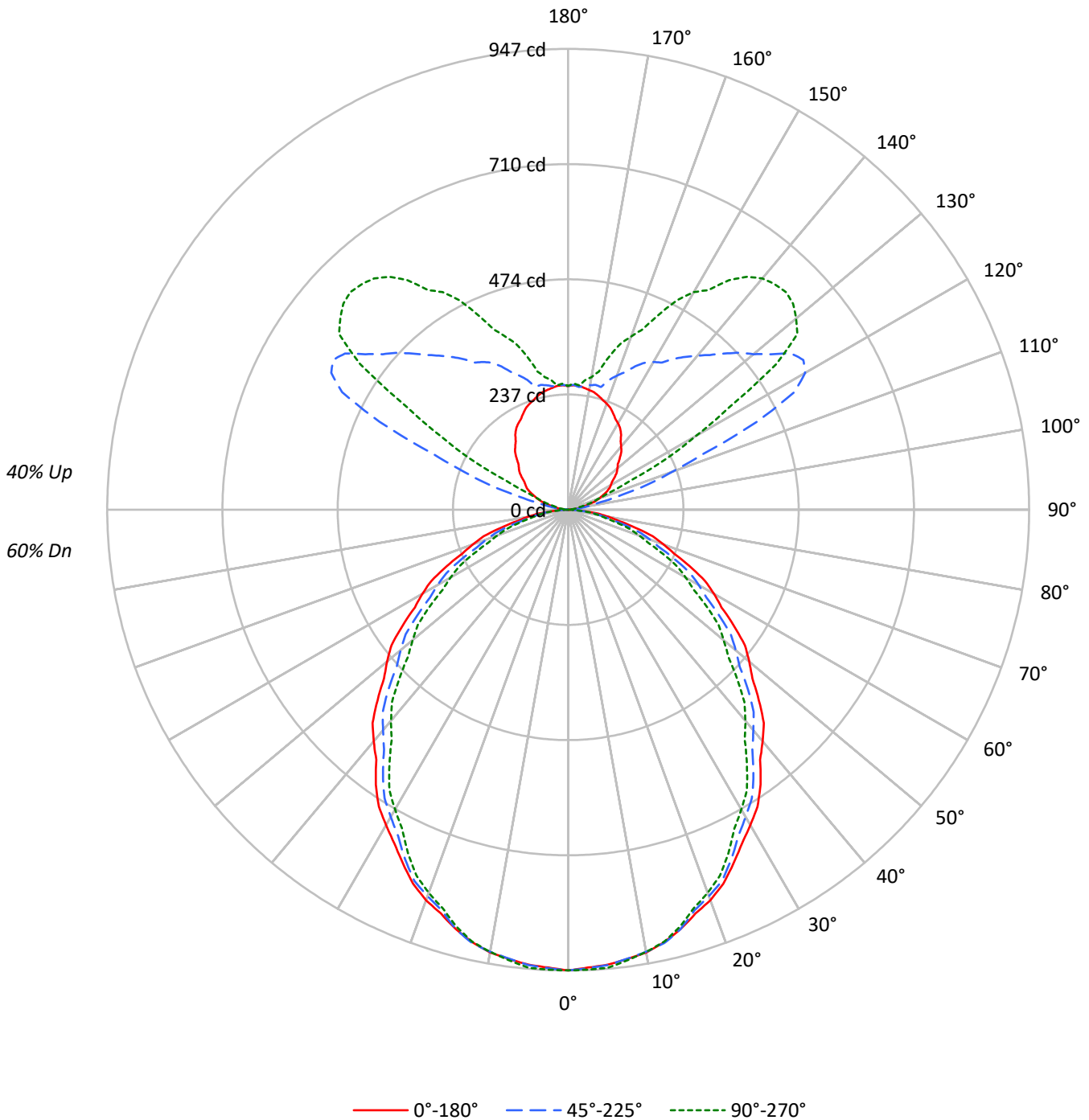
Lumens per Lamp: N/A  
Luminaire Lumens: 3761.4 lumens  
Efficiency: N/A  
Efficacy: 152.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 24.7  
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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56	51
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47	43
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41	37
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35	32
5	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18	16

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

	0°	45°	90°
0°	10712	10712	10712
5°	10660	10668	10730
10°	10614	10599	10599
15°	10451	10451	10388
20°	10282	10176	10088
25°	10022	9896	9720
30°	9776	9522	9293
35°	9520	9166	8841
40°	9177	8739	8361
45°	8865	8359	7842
50°	8544	7905	7338
55°	8196	7466	6857
60°	7821	7015	6314
65°	7381	6498	5743
70°	6874	5895	5114
75°	6230	5172	4555
80°	5434	4340	4033
85°	4193	3661	3661

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8865 cd/sqm



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CATALOG NUMBER: CB3-B-030U-055D-930-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.3	2.4
10°-20°	250.9	6.7
20°-30°	364.6	9.7
30°-40°	414.5	11.0
40°-50°	402.4	10.7
50°-60°	339.7	9.0
60°-70°	241.7	6.4
70°-80°	129.1	3.4
80°-90°	34.1	0.9
90°-100°	17.2	0.5
100°-110°	90.1	2.4
110°-120°	226.7	6.0
120°-130°	349.8	9.3
130°-140°	320.2	8.5
140°-150°	236.3	6.3
150°-160°	150.6	4.0
160°-170°	79.3	2.1
170°-180°	24.7	0.7
0°-30°	704.8	18.7
0°-40°	1119.3	29.8
0°-60°	1861.5	49.5
0°-90°	2266.5	60.3
90°-120°	334.0	8.9
90°-150°	1240.3	33.0
90°-180°	1495.0	39.7
0°-180°	3761.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	939	950	939	938	945	89
15°	892	900	892	887	887	251
25°	803	805	793	782	779	370
35°	689	683	664	644	640	429
45°	554	546	522	497	490	427
55°	416	404	378	354	348	371
65°	276	266	243	221	214	273
75°	142	135	118	106	104	152
85°	32	30	28	28	28	38
90°	0	0	0	0	0	2
95°	9	25	10	6	6	11
105°	46	142	103	42	35	49
115°	87	178	428	186	141	85
125°	116	180	560	564	522	104
135°	150	200	454	618	633	116
145°	189	219	378	526	576	118
155°	218	235	325	402	443	101
165°	242	248	261	305	326	68
175°	255	261	253	254	256	24
180°	254	254	254	254	254	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	946.7	946.7	946.7	946.7	946.7
2.5°	941.8	951.3	942.9	944.0	946.1
5°	938.6	950.4	939.3	938.1	944.7
7.5°	931.3	942.1	930.5	927.8	933.8
10°	923.8	935.6	922.5	919.2	922.5
12.5°	910.4	922.7	912.2	906.8	909.6
15°	892.2	900.1	892.2	886.8	886.8
17.5°	870.0	878.3	863.4	859.6	858.2
20°	853.9	861.1	845.1	839.7	837.8
22.5°	832.4	839.1	825.8	816.6	814.1
25°	802.8	805.4	792.7	781.9	778.6
27.5°	773.1	773.7	756.3	743.1	738.8
30°	748.3	749.0	728.8	714.6	711.3
32.5°	723.6	721.6	702.5	685.6	683.4
35°	689.2	682.6	663.6	644.0	640.1
37.5°	647.6	643.7	621.3	601.6	595.7
40°	621.3	614.7	591.7	572.0	566.1
42.5°	594.9	587.3	563.7	541.9	535.5
45°	554.0	545.5	522.4	497.4	490.1
47.5°	512.9	503.5	478.2	453.9	445.9
50°	485.4	475.6	449.1	425.4	416.9
52.5°	457.5	447.1	420.6	396.4	389.4
55°	415.5	404.3	378.5	354.2	347.6
57.5°	373.6	362.5	336.8	313.8	305.9
60°	345.6	335.1	310.0	286.9	279.0
62.5°	317.1	307.1	282.5	260.0	252.7
65°	275.7	265.8	242.7	221.1	214.5
67.5°	234.7	226.2	203.5	183.6	178.3
70°	207.8	199.9	178.2	159.9	154.6
72.5°	181.9	173.5	152.9	137.3	133.7
75°	142.5	134.6	118.3	106.2	104.2
77.5°	106.5	100.1	85.9	79.0	78.0
80°	83.4	77.5	66.6	61.9	61.9
82.5°	61.9	57.0	49.9	47.9	47.9
85°	32.3	29.6	28.2	28.2	28.2
87.5°	9.7	9.7	9.1	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	2.7	6.2	1.8	0.9	1.8
95°	9.0	25.4	10.1	5.6	5.6
97.5°	18.6	56.7	26.0	13.9	12.5
100°	25.8	80.5	40.3	20.1	17.9
102.5°	33.8	104.3	60.9	27.2	23.3
105°	45.9	142.2	103.0	42.4	34.7
107.5°	59.3	168.2	169.7	65.3	52.6
110°	68.3	178.9	226.2	85.8	66.1

TEST NUMBER: P1439379

CATALOG NUMBER: CB3-B-030U-055D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	76.4	181.7	301.4	117.0	90.2
115°	87.3	178.2	427.7	186.0	141.1
117.5°	95.4	169.6	523.6	295.8	228.2
120°	100.8	169.7	562.1	379.0	303.4
122.5°	107.0	170.8	572.8	461.5	392.1
125°	116.4	179.9	559.8	564.5	521.8
127.5°	125.9	186.7	524.9	606.8	593.4
130°	132.1	191.2	497.1	621.2	611.3
132.5°	138.4	195.8	477.4	621.5	626.6
135°	150.0	200.4	453.5	618.4	632.6
137.5°	161.9	206.1	431.1	598.8	628.4
140°	169.1	210.7	413.2	577.6	620.3
142.5°	177.1	214.4	396.1	558.0	603.3
145°	189.2	218.8	378.4	526.2	575.5
147.5°	198.6	221.2	358.5	494.3	535.0
150°	204.9	221.3	350.5	465.8	516.2
152.5°	210.3	225.8	340.6	439.7	485.7
155°	218.3	234.8	324.7	401.8	443.4
157.5°	226.4	242.2	305.9	373.5	401.7
160°	231.8	244.9	293.4	359.8	378.4
162.5°	236.3	247.6	279.9	336.6	357.8
165°	241.8	248.4	260.9	305.0	325.8
167.5°	247.0	250.3	262.5	274.0	290.9
170°	249.7	253.0	259.8	271.1	276.6
172.5°	252.4	257.4	256.2	263.9	268.5
175°	255.3	260.8	253.0	254.2	256.4
177.5°	256.0	258.6	256.9	256.9	259.5
180°	254.2	254.2	254.2	254.2	254.2



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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	16.29	17.23	17.15	18.12	19.24	15.21	16.16	16.07	17.04	18.16
	3H	17.96	18.81	18.84	19.70	20.85	16.63	17.48	17.51	18.37	19.52
	4H	18.59	19.40	19.49	20.30	21.45	17.15	17.95	18.04	18.85	20.01
	6H	18.98	19.72	19.89	20.63	21.80	17.47	18.21	18.38	19.12	20.29
	8H	19.12	19.83	20.04	20.75	21.92	17.60	18.30	18.51	19.23	20.39
	12H	19.19	19.86	20.11	20.78	21.98	17.68	18.35	18.60	19.27	20.46
4H	2H	16.70	17.51	17.60	18.41	19.56	15.85	16.65	16.75	17.55	18.70
	3H	18.60	19.27	19.51	20.20	21.37	17.47	18.14	18.38	19.07	20.24
	4H	19.35	19.96	20.28	20.89	22.09	18.08	18.69	19.00	19.62	20.82
	6H	19.86	20.39	20.80	21.34	22.54	18.50	19.03	19.44	19.98	21.17
	8H	20.06	20.55	20.99	21.49	22.70	18.67	19.16	19.61	20.11	21.32
	12H	20.16	20.60	21.11	21.56	22.78	18.78	19.22	19.74	20.19	21.40
8H	4H	19.49	19.98	20.43	20.93	22.14	18.35	18.84	19.29	19.79	21.00
	6H	20.11	20.52	21.08	21.51	22.72	18.88	19.29	19.85	20.28	21.49
	8H	20.39	20.75	21.36	21.73	22.95	19.14	19.50	20.11	20.47	21.70
	12H	20.56	20.87	21.53	21.85	23.12	19.32	19.63	20.29	20.60	21.88
12H	4H	19.47	19.91	20.42	20.87	22.09	18.36	18.80	19.31	19.76	20.98
	6H	20.13	20.49	21.10	21.47	22.69	18.94	19.30	19.91	20.28	21.50
	8H	20.43	20.75	21.41	21.72	23.00	19.23	19.54	20.20	20.51	21.79