

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: P1439395

Luminaire Tested: CB3-B-030U-120D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439395  
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-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

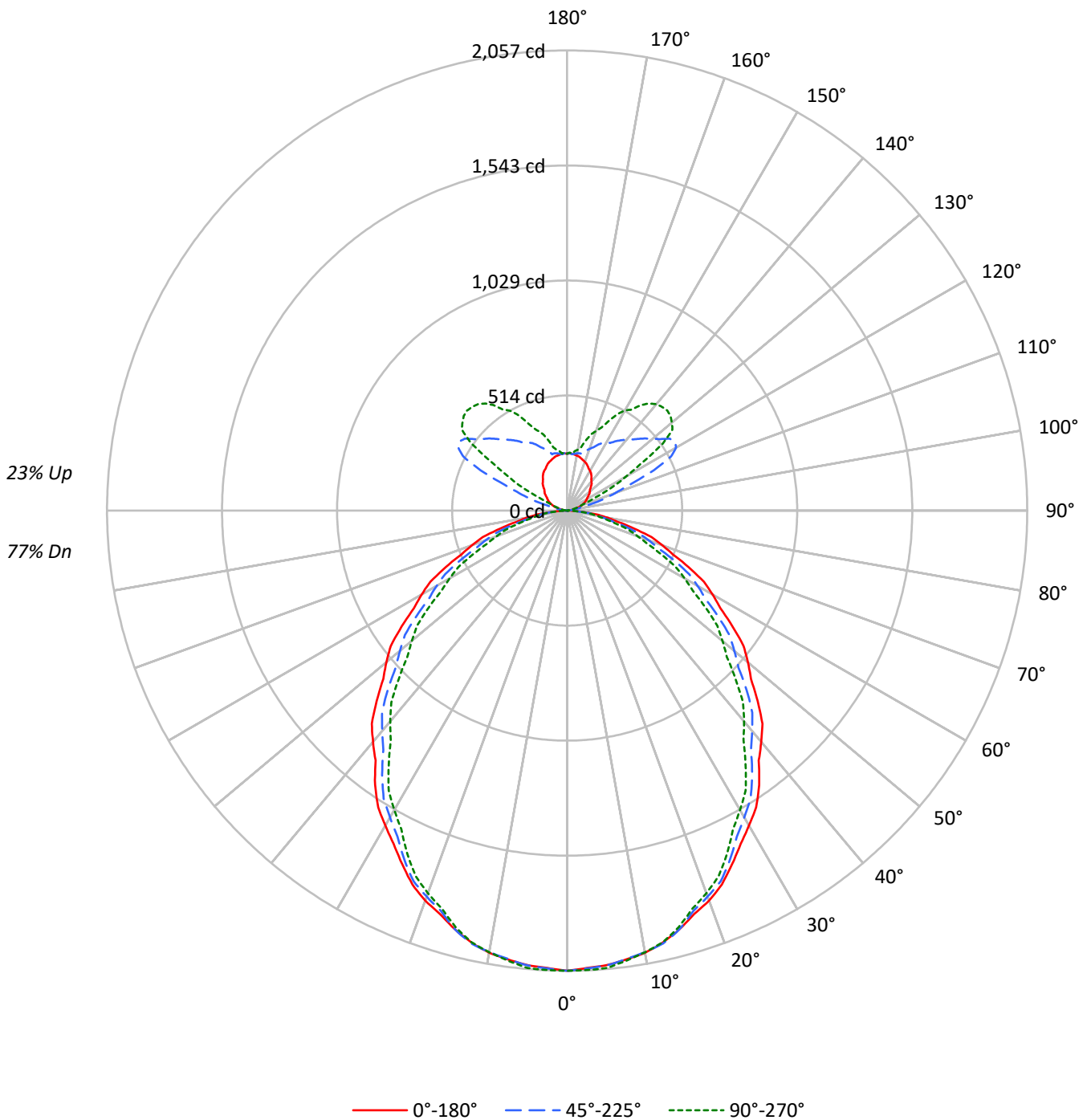
Lumens per Lamp: N/A  
Luminaire Lumens: 6419.7 lumens  
Efficiency: N/A  
Efficacy: 138.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 46.3  
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

TEST NUMBER: P1439395

CATALOG NUMBER: CB3-B-030U-120D-930-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1439395

CATALOG NUMBER: CB3-B-030U-120D-930-1D-UNV-STD-W-4

**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	114	114	114	114	108	108	108	108	98	98	98	89	89	89	81	81	81	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°	23274	23274	23274
5°	23164	23180	23313
10°	23062	23029	23029
15°	22709	22709	22572
20°	22340	22112	21918
25°	21778	21503	21121
30°	21244	20691	20194
35°	20684	19916	19210
40°	19938	18988	18169
45°	19262	18163	17041
50°	18567	17178	15944
55°	17811	16225	14899
60°	16992	15241	13720
65°	16037	14120	12476
70°	14933	12806	11115
75°	13539	11239	9897
80°	11807	9422	8757
85°	9100	7971	7971

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19262 cd/sqm



TEST NUMBER: P1439395

CATALOG NUMBER: CB3-B-030U-120D-930-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.1	3.0
10°-20°	545.3	8.5
20°-30°	792.2	12.3
30°-40°	900.7	14.0
40°-50°	874.3	13.6
50°-60°	738.2	11.5
60°-70°	525.2	8.2
70°-80°	280.6	4.4
80°-90°	74.1	1.2
90°-100°	17.2	0.3
100°-110°	90.1	1.4
110°-120°	226.7	3.5
120°-130°	349.8	5.4
130°-140°	320.2	5.0
140°-150°	236.3	3.7
150°-160°	150.6	2.3
160°-170°	79.3	1.2
170°-180°	24.7	0.4
0°-30°	1531.5	23.9
0°-40°	2432.2	37.9
0°-60°	4044.8	63.0
0°-90°	4924.7	76.7
90°-120°	334.0	5.2
90°-150°	1240.3	19.3
90°-180°	1495.0	23.3
0°-180°	6419.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2057	2057	2057	2057	2057	
5°	2040	2065	2041	2038	2053	194
15°	1939	1956	1939	1927	1927	546
25°	1744	1750	1722	1699	1692	804
35°	1498	1483	1442	1399	1391	933
45°	1204	1185	1135	1081	1065	929
55°	903	879	822	770	755	807
65°	599	578	527	480	466	593
75°	310	293	257	231	226	330
85°	70	64	61	61	61	83
90°	0	0	0	0	0	3
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	

TEST NUMBER: P1439395

CATALOG NUMBER: CB3-B-030U-120D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2057.0	2057.0	2057.0	2057.0	2057.0
2.5°	2046.5	2067.1	2048.8	2051.3	2055.8
5°	2039.5	2065.2	2040.9	2038.3	2052.6
7.5°	2023.7	2047.1	2021.9	2016.1	2029.0
10°	2007.3	2033.0	2004.4	1997.3	2004.4
12.5°	1978.1	2005.0	1982.2	1970.4	1976.4
15°	1938.7	1955.8	1938.7	1927.0	1927.0
17.5°	1890.5	1908.5	1876.1	1867.9	1864.7
20°	1855.4	1871.1	1836.4	1824.6	1820.3
22.5°	1808.6	1823.2	1794.3	1774.3	1768.9
25°	1744.4	1750.1	1722.4	1698.9	1691.8
27.5°	1679.8	1681.2	1643.3	1614.7	1605.3
30°	1626.0	1627.5	1583.7	1552.8	1545.7
32.5°	1572.3	1568.0	1526.4	1489.8	1484.9
35°	1497.5	1483.2	1441.9	1399.4	1390.8
37.5°	1407.2	1398.6	1349.9	1307.2	1294.4
40°	1349.9	1335.6	1285.6	1243.0	1230.1
42.5°	1292.6	1276.1	1224.9	1177.5	1163.5
45°	1203.8	1185.2	1135.1	1080.7	1065.0
47.5°	1114.4	1094.1	1039.0	986.3	968.9
50°	1054.8	1033.4	975.9	924.4	905.8
52.5°	994.0	971.5	914.0	861.3	846.2
55°	902.9	878.6	822.5	769.6	755.3
57.5°	811.7	787.7	731.9	681.9	664.7
60°	750.9	728.1	673.5	623.4	606.3
62.5°	689.0	667.3	613.9	565.0	549.0
65°	599.0	577.6	527.4	480.3	466.0
67.5°	509.9	491.6	442.1	398.9	387.4
70°	451.4	434.3	387.1	347.4	336.0
72.5°	395.3	377.0	332.2	298.4	290.4
75°	309.7	292.6	257.1	230.7	226.4
77.5°	231.4	217.4	186.7	171.8	169.5
80°	181.2	168.3	144.6	134.4	134.4
82.5°	134.4	123.8	108.4	104.0	104.0
85°	70.1	64.4	61.4	61.4	61.4
87.5°	21.0	21.0	19.9	18.7	18.7
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: P1439395

CATALOG NUMBER: CB3-B-030U-120D-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



TEST NUMBER: P1439395  
 CATALOG NUMBER: CB3-B-030U-120D-930-1D-UNV-STD-W-4

**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	20.27	21.41	20.96	22.12	22.95	19.19	20.33	19.88	21.04	21.87
	3H	21.95	22.98	22.66	23.70	24.57	20.62	21.65	21.33	22.37	23.23
	4H	22.60	23.57	23.32	24.30	25.17	21.15	22.12	21.88	22.85	23.73
	6H	23.00	23.89	23.73	24.63	25.52	21.48	22.38	22.22	23.12	24.01
	8H	23.14	23.99	23.89	24.75	25.65	21.62	22.47	22.36	23.23	24.12
	12H	23.22	24.03	23.97	24.78	25.70	21.70	22.51	22.45	23.27	24.19
4H	2H	20.71	21.68	21.43	22.41	23.28	19.85	20.82	20.58	21.55	22.43
	3H	22.62	23.43	23.36	24.20	25.09	21.49	22.30	22.23	23.07	23.96
	4H	23.38	24.12	24.14	24.88	25.81	22.11	22.85	22.87	23.61	24.54
	6H	23.90	24.54	24.67	25.33	26.26	22.54	23.18	23.31	23.97	24.90
	8H	24.10	24.69	24.88	25.48	26.42	22.72	23.31	23.49	24.10	25.04
	12H	24.21	24.74	25.01	25.55	26.50	22.83	23.37	23.63	24.18	25.13
8H	4H	23.53	24.13	24.31	24.92	25.86	22.40	22.99	23.17	23.78	24.72
	6H	24.16	24.66	24.97	25.49	26.43	22.94	23.43	23.74	24.26	25.20
	8H	24.44	24.88	25.26	25.71	26.67	23.19	23.63	24.01	24.46	25.42
	12H	24.62	25.01	25.44	25.82	26.84	23.38	23.76	24.20	24.58	25.60
12H	4H	23.52	24.05	24.32	24.86	25.81	22.41	22.94	23.21	23.75	24.70
	6H	24.18	24.62	25.00	25.45	26.41	22.99	23.43	23.81	24.26	25.22
	8H	24.50	24.88	25.32	25.70	26.72	23.29	23.68	24.11	24.49	25.51