

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: P1439459

Luminaire Tested: CB3-B-085U-120D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439459  
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-120D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

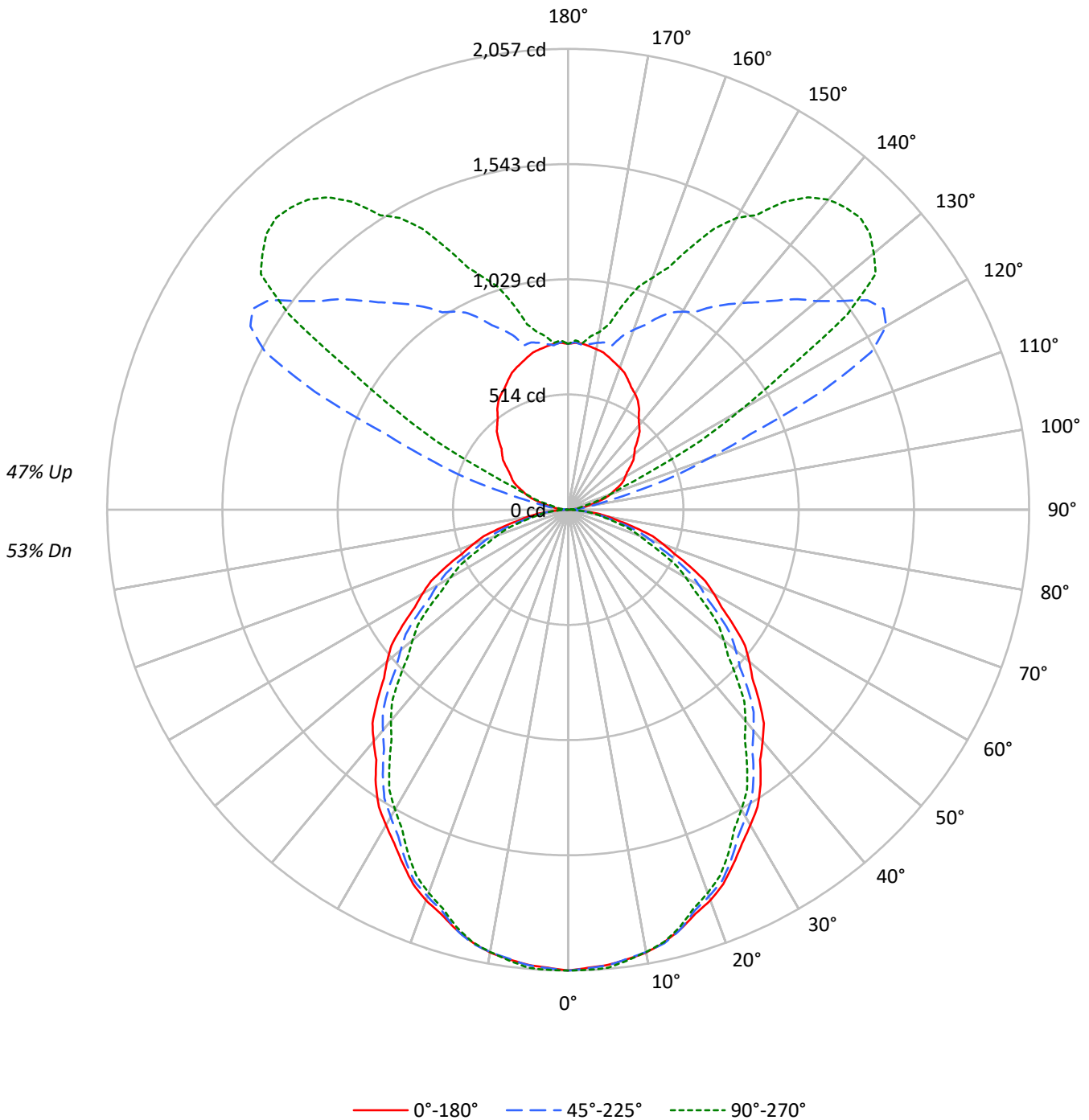
Lumens per Lamp: N/A  
Luminaire Lumens: 9279.5 lumens  
Efficiency: N/A  
Efficacy: 149.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 62  
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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	94	91	87	91	88	84	81	75	72	70	63	61	60	52	51	50	45
2	90	83	77	71	83	77	72	67	66	62	58	56	53	50	46	44	43	38
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	39	36	32
4	75	65	57	51	70	60	53	48	52	47	42	44	40	37	37	34	32	28
5	69	58	50	44	64	54	47	41	47	41	37	40	35	32	33	30	28	24
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	30	27	24	22
7	59	47	39	33	55	44	37	32	38	32	28	33	28	25	28	24	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	26	22	20	17
9	51	39	31	26	47	37	30	25	32	26	23	28	23	20	24	20	18	16
10	48	36	29	24	44	34	27	23	29	24	20	26	21	18	22	19	16	14

**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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.1	2.1
10°-20°	545.3	5.9
20°-30°	792.2	8.5
30°-40°	900.7	9.7
40°-50°	874.3	9.4
50°-60°	738.2	8.0
60°-70°	525.2	5.7
70°-80°	280.6	3.0
80°-90°	74.1	0.8
90°-100°	50.1	0.5
100°-110°	262.4	2.8
110°-120°	660.5	7.1
120°-130°	1018.9	11.0
130°-140°	932.8	10.1
140°-150°	688.4	7.4
150°-160°	438.8	4.7
160°-170°	231.0	2.5
170°-180°	71.9	0.8
0°-30°	1531.5	16.5
0°-40°	2432.2	26.2
0°-60°	4044.8	43.6
0°-90°	4924.7	53.1
90°-120°	972.9	10.5
90°-150°	3613.0	38.9
90°-180°	4355.0	46.9
0°-180°	9279.5	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	4
95°	26	74	29	16	16	33
105°	134	414	300	123	101	143
115°	254	519	1246	542	411	248
125°	339	524	1631	1644	1520	303
135°	437	584	1321	1801	1843	338
145°	551	637	1102	1533	1676	343
155°	636	684	946	1170	1292	293
165°	704	724	760	888	949	199
175°	744	760	737	740	747	70
180°	740	740	740	740	740	

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**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°	7.8	18.0	5.2	2.7	5.2
95°	26.1	73.9	29.4	16.3	16.3
97.5°	54.1	165.1	75.7	40.4	36.5
100°	75.0	234.5	117.4	58.6	52.2
102.5°	98.5	303.9	177.4	79.3	67.8
105°	133.7	414.4	300.1	123.4	101.1
107.5°	172.9	489.9	494.5	190.3	153.3
110°	199.0	521.1	658.8	249.8	192.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	222.4	529.2	878.0	340.7	262.9
115°	254.4	519.1	1245.9	541.7	411.0
117.5°	277.9	494.1	1525.1	861.8	664.7
120°	293.5	494.5	1637.3	1104.0	883.9
122.5°	311.8	497.4	1668.6	1344.4	1142.2
125°	339.2	524.2	1630.8	1644.3	1519.9
127.5°	366.6	543.9	1529.1	1767.6	1728.7
130°	384.9	557.1	1448.2	1809.6	1780.8
132.5°	403.1	570.2	1390.8	1810.5	1825.2
135°	437.1	583.8	1321.0	1801.4	1842.8
137.5°	471.6	600.5	1255.7	1744.3	1830.4
140°	492.5	613.7	1203.5	1682.6	1806.9
142.5°	516.0	624.4	1154.0	1625.3	1757.4
145°	551.2	637.3	1102.4	1533.0	1676.5
147.5°	578.6	644.3	1044.4	1439.8	1558.4
150°	596.9	644.7	1020.9	1356.9	1503.6
152.5°	612.5	657.8	992.2	1280.9	1414.9
155°	636.0	683.9	945.9	1170.4	1291.6
157.5°	659.5	705.4	891.1	1088.0	1170.3
160°	675.2	713.4	854.5	1048.2	1102.4
162.5°	688.2	721.4	815.4	980.5	1042.4
165°	704.5	723.6	760.0	888.5	949.1
167.5°	719.5	729.1	764.5	798.3	847.4
170°	727.3	736.9	756.7	789.7	805.6
172.5°	735.2	749.8	746.3	768.7	782.1
175°	743.7	759.6	737.1	740.5	746.9
177.5°	745.6	753.3	748.2	748.4	756.0
180°	740.4	740.4	740.4	740.4	740.4

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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	18.36	19.24	19.30	20.19	21.42	17.29	18.16	18.22	19.11	20.34
	3H	20.03	20.82	20.98	21.78	23.03	18.70	19.49	19.65	20.45	21.70
	4H	20.66	21.41	21.62	22.37	23.63	19.22	19.96	20.18	20.92	22.18
	6H	21.05	21.73	22.02	22.70	23.98	19.54	20.22	20.51	21.19	22.46
	8H	21.19	21.84	22.16	22.82	24.09	19.66	20.31	20.64	21.30	22.57
	12H	21.25	21.88	22.24	22.85	24.15	19.74	20.36	20.72	21.34	22.63
4H	2H	18.77	19.52	19.74	20.48	21.74	17.92	18.66	18.88	19.62	20.88
	3H	20.67	21.29	21.64	22.28	23.55	19.54	20.16	20.51	21.15	22.42
	4H	21.42	21.98	22.40	22.97	24.26	20.14	20.71	21.13	21.69	22.99
	6H	21.92	22.41	22.91	23.41	24.71	20.56	21.04	21.55	22.05	23.35
	8H	22.11	22.56	23.11	23.57	24.88	20.73	21.18	21.72	22.18	23.50
	12H	22.21	22.62	23.22	23.64	24.95	20.83	21.24	21.85	22.26	23.58
8H	4H	21.55	22.00	22.54	23.00	24.31	20.41	20.86	21.40	21.86	23.17
	6H	22.17	22.54	23.19	23.59	24.89	20.94	21.31	21.96	22.36	23.66
	8H	22.44	22.77	23.47	23.80	25.13	21.19	21.52	22.22	22.55	23.88
	12H	22.61	22.90	23.64	23.92	25.29	21.37	21.66	22.40	22.68	24.05
12H	4H	21.52	21.93	22.53	22.95	24.26	20.41	20.82	21.42	21.84	23.15
	6H	22.18	22.51	23.21	23.54	24.87	20.99	21.32	22.02	22.36	23.68
	8H	22.48	22.77	23.52	23.80	25.17	21.28	21.57	22.31	22.59	23.96