

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: P1439382

Luminaire Tested: CB3-B-030U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439382  
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-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

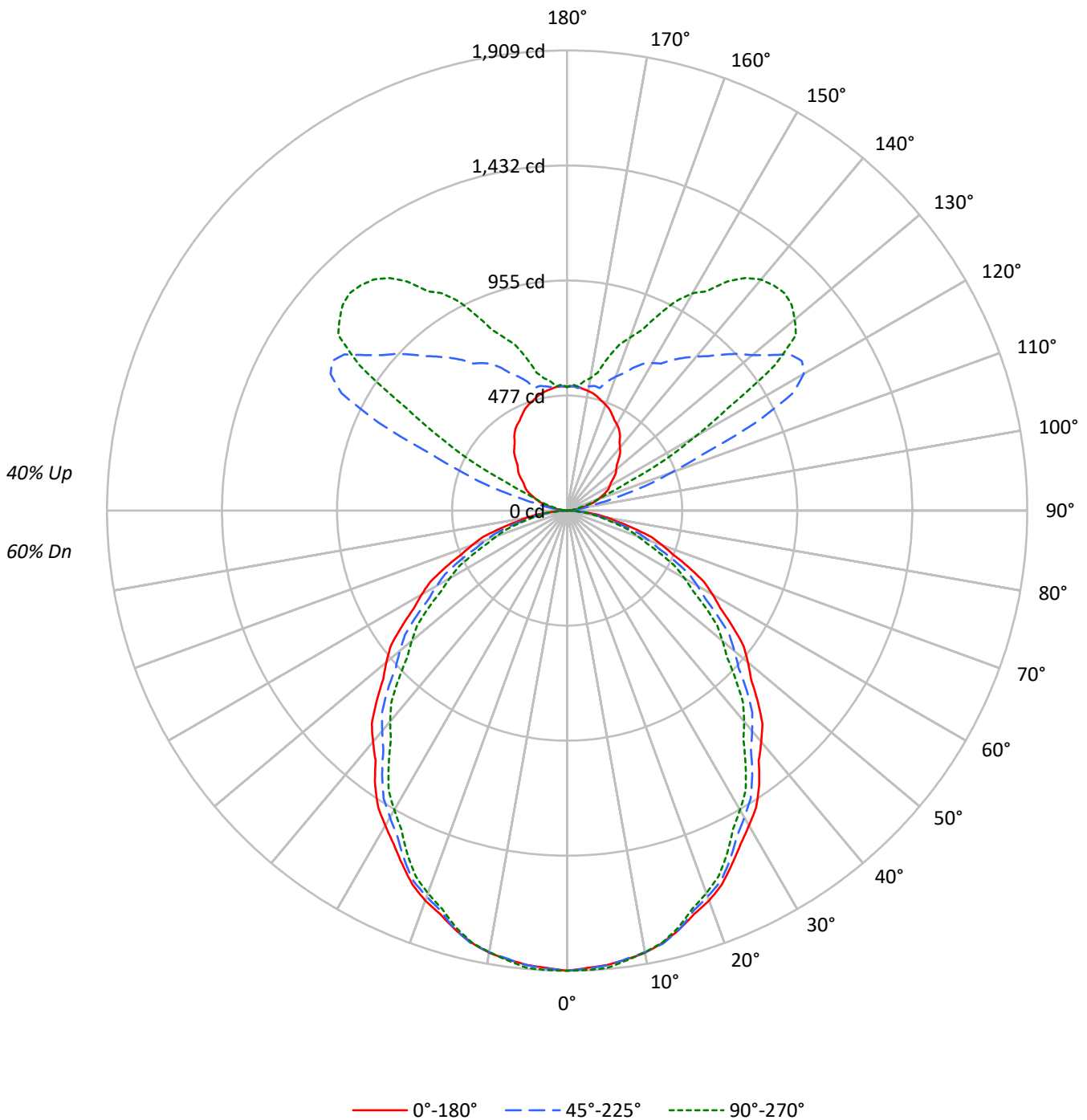
Lumens per Lamp: N/A  
Luminaire Lumens: 7584.7 lumens  
Efficiency: N/A  
Efficacy: 149.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 50.6  
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°	10799	10799	10799
5°	10748	10756	10818
10°	10701	10685	10685
15°	10537	10537	10474
20°	10366	10260	10170
25°	10105	9977	9800
30°	9857	9601	9370
35°	9598	9241	8914
40°	9251	8811	8431
45°	8938	8428	7908
50°	8615	7971	7398
55°	8264	7529	6913
60°	7885	7072	6366
65°	7441	6551	5790
70°	6929	5943	5157
75°	6282	5215	4592
80°	5477	4372	4063
85°	4226	3693	3693

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8938 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.1	2.4
10°-20°	506.0	6.7
20°-30°	735.2	9.7
30°-40°	835.8	11.0
40°-50°	811.4	10.7
50°-60°	685.1	9.0
60°-70°	487.4	6.4
70°-80°	260.4	3.4
80°-90°	68.8	0.9
90°-100°	34.7	0.5
100°-110°	181.6	2.4
110°-120°	457.2	6.0
120°-130°	705.3	9.3
130°-140°	645.7	8.5
140°-150°	476.5	6.3
150°-160°	303.8	4.0
160°-170°	159.9	2.1
170°-180°	49.8	0.7
0°-30°	1421.3	18.7
0°-40°	2257.1	29.8
0°-60°	3753.6	49.5
0°-90°	4570.2	60.3
90°-120°	673.5	8.9
90°-150°	2501.0	33.0
90°-180°	3014.0	39.7
0°-180°	7584.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1893	1916	1894	1892	1905	180
15°	1799	1815	1799	1788	1788	507
25°	1619	1624	1598	1577	1570	746
35°	1390	1376	1338	1299	1291	866
45°	1117	1100	1053	1003	988	862
55°	838	815	763	714	701	749
65°	556	536	489	446	432	551
75°	287	272	239	214	210	306
85°	65	60	57	57	57	77
90°	0	0	0	0	0	3
95°	18	51	20	11	11	23
105°	93	287	208	85	70	99
115°	176	359	862	375	284	172
125°	235	363	1129	1138	1052	210
135°	302	404	914	1247	1276	234
145°	382	441	763	1061	1160	237
155°	440	473	655	810	894	203
165°	488	501	526	615	657	137
175°	515	526	510	513	517	49
180°	512	512	512	512	512	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1908.9	1908.9	1908.9	1908.9	1908.9
2.5°	1899.2	1918.2	1901.3	1903.6	1907.8
5°	1892.6	1916.5	1894.0	1891.6	1904.9
7.5°	1878.0	1899.7	1876.4	1871.0	1882.9
10°	1862.8	1886.7	1860.1	1853.5	1860.1
12.5°	1835.7	1860.6	1839.5	1828.5	1834.1
15°	1799.1	1815.0	1799.1	1788.3	1788.3
17.5°	1754.4	1771.1	1741.1	1733.4	1730.5
20°	1721.8	1736.4	1704.2	1693.3	1689.3
22.5°	1678.4	1692.0	1665.2	1646.6	1641.6
25°	1618.8	1624.1	1598.4	1576.6	1570.0
27.5°	1558.9	1560.2	1525.0	1498.5	1489.7
30°	1509.0	1510.3	1469.7	1441.0	1434.4
32.5°	1459.1	1455.1	1416.5	1382.5	1378.0
35°	1389.7	1376.4	1338.1	1298.6	1290.7
37.5°	1305.9	1297.9	1252.7	1213.1	1201.2
40°	1252.7	1239.5	1193.1	1153.5	1141.6
42.5°	1199.6	1184.2	1136.7	1092.7	1079.7
45°	1117.2	1099.9	1053.4	1002.9	988.4
47.5°	1034.2	1015.4	964.2	915.3	899.1
50°	978.9	959.0	905.7	857.8	840.6
52.5°	922.5	901.5	848.2	799.3	785.3
55°	837.9	815.3	763.3	714.2	700.9
57.5°	753.3	731.0	679.2	632.8	616.9
60°	696.9	675.7	625.0	578.6	562.6
62.5°	639.4	619.2	569.7	524.3	509.5
65°	555.9	536.0	489.4	445.7	432.5
67.5°	473.2	456.2	410.3	370.2	359.5
70°	418.9	403.0	359.3	322.4	311.8
72.5°	366.9	349.9	308.3	276.9	269.5
75°	287.4	271.5	238.6	214.1	210.1
77.5°	214.8	201.8	173.3	159.4	157.3
80°	168.1	156.2	134.2	124.7	124.7
82.5°	124.7	114.9	100.6	96.5	96.5
85°	65.1	59.8	56.9	56.9	56.9
87.5°	19.5	19.5	18.4	17.4	17.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.4	12.5	3.6	1.8	3.6
95°	18.1	51.2	20.3	11.3	11.3
97.5°	37.5	114.3	52.4	27.9	25.3
100°	51.9	162.3	81.3	40.5	36.1
102.5°	68.2	210.4	122.8	54.9	47.0
105°	92.6	286.8	207.7	85.4	70.0
107.5°	119.7	339.1	342.3	131.7	106.1
110°	137.7	360.7	456.1	172.9	133.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	154.0	366.4	607.8	235.8	182.0
115°	176.1	359.3	862.5	375.0	284.5
117.5°	192.4	342.0	1055.7	596.6	460.1
120°	203.2	342.3	1133.4	764.2	611.9
122.5°	215.8	344.3	1155.1	930.6	790.7
125°	234.8	362.8	1128.9	1138.2	1052.1
127.5°	253.8	376.5	1058.4	1223.5	1196.6
130°	266.4	385.6	1002.4	1252.6	1232.7
132.5°	279.1	394.7	962.7	1253.3	1263.4
135°	302.5	404.1	914.4	1246.9	1275.6
137.5°	326.5	415.7	869.2	1207.5	1267.1
140°	340.9	424.8	833.1	1164.7	1250.8
142.5°	357.2	432.2	798.8	1125.1	1216.5
145°	381.6	441.2	763.1	1061.2	1160.5
147.5°	400.5	446.0	722.9	996.6	1078.8
150°	413.2	446.3	706.7	939.3	1040.8
152.5°	424.0	455.4	686.8	886.7	979.4
155°	440.3	473.4	654.8	810.2	894.1
157.5°	456.5	488.3	616.8	753.1	810.1
160°	467.4	493.8	591.5	725.6	763.1
162.5°	476.4	499.3	564.4	678.8	721.6
165°	487.7	500.9	526.1	615.1	657.0
167.5°	498.1	504.7	529.2	552.6	586.6
170°	503.5	510.1	523.8	546.6	557.7
172.5°	508.9	519.1	516.6	532.1	541.4
175°	514.8	525.8	510.3	512.6	517.0
177.5°	516.1	521.4	517.9	518.1	523.4
180°	512.5	512.5	512.5	512.5	512.5



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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	16.31	17.26	17.18	18.15	19.27	15.24	16.18	16.10	17.07	18.19
	3H	17.99	18.84	18.87	19.73	20.88	16.66	17.51	17.54	18.40	19.55
	4H	18.62	19.43	19.52	20.33	21.48	17.18	17.98	18.07	18.88	20.04
	6H	19.01	19.75	19.92	20.66	21.83	17.50	18.24	18.41	19.15	20.32
	8H	19.15	19.86	20.07	20.78	21.95	17.63	18.33	18.54	19.26	20.42
	12H	19.22	19.89	20.14	20.81	22.00	17.70	18.37	18.62	19.29	20.49
4H	2H	16.73	17.54	17.63	18.44	19.59	15.87	16.68	16.77	17.58	18.73
	3H	18.63	19.30	19.54	20.23	21.40	17.50	18.17	18.41	19.10	20.27
	4H	19.38	19.99	20.30	20.92	22.12	18.11	18.72	19.03	19.65	20.84
	6H	19.89	20.42	20.83	21.37	22.56	18.53	19.05	19.46	20.01	21.20
	8H	20.08	20.57	21.02	21.52	22.73	18.70	19.19	19.64	20.14	21.35
	12H	20.19	20.63	21.14	21.59	22.81	18.81	19.25	19.77	20.22	21.43
8H	4H	19.52	20.01	20.46	20.96	22.17	18.38	18.87	19.32	19.82	21.03
	6H	20.14	20.55	21.11	21.54	22.74	18.91	19.32	19.88	20.31	21.51
	8H	20.42	20.78	21.39	21.76	22.98	19.16	19.52	20.14	20.50	21.73
	12H	20.59	20.90	21.56	21.87	23.15	19.34	19.66	20.32	20.63	21.91
12H	4H	19.50	19.94	20.45	20.90	22.12	18.39	18.83	19.34	19.79	21.01
	6H	20.16	20.52	21.13	21.50	22.72	18.97	19.33	19.94	20.31	21.53
	8H	20.46	20.78	21.44	21.75	23.02	19.26	19.57	20.23	20.54	21.82