

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: P1439429

Luminaire Tested: CB3-B-055U-120D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439429  
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-055U-120D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

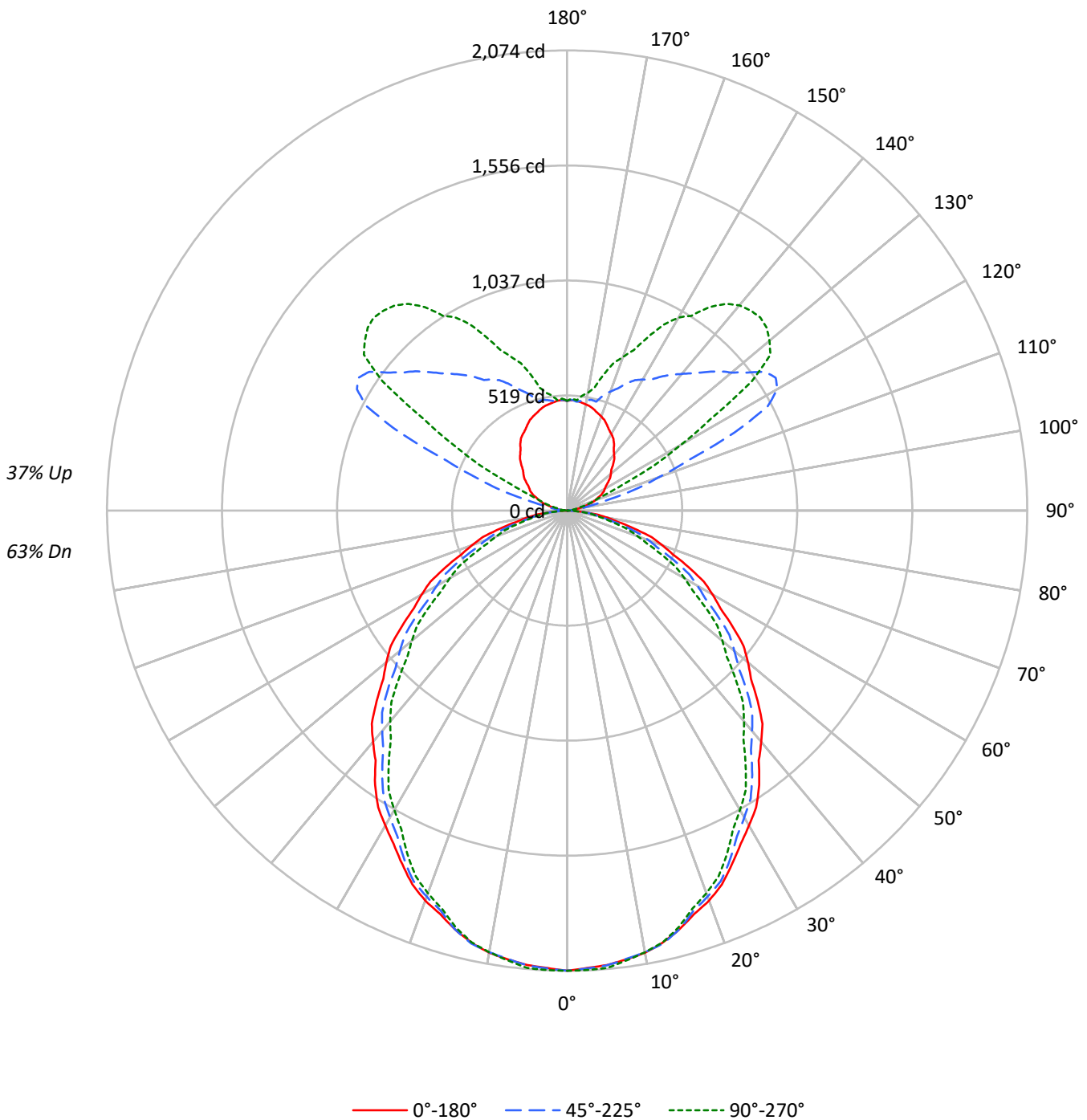
Lumens per Lamp: N/A  
Luminaire Lumens: 7875.0 lumens  
Efficiency: N/A  
Efficacy: 145.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 54.1  
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	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	101	97	93	89	95	91	87	84	80	77	75	70	68	66	61	59	58	54
2	92	85	78	73	86	80	74	70	70	66	62	62	58	56	54	51	49	45
3	84	75	67	61	79	70	64	58	62	57	53	55	51	47	48	45	42	39
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	43	39	36	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32	29
6	66	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28	26
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	32	28	25	23
8	56	44	36	31	53	42	35	30	37	31	27	33	29	25	30	26	23	20
9	53	40	33	28	49	38	31	27	34	29	24	31	26	23	27	23	21	18
10	49	37	30	25	46	35	28	24	32	26	22	29	24	20	25	22	19	17

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

	0°	45°	90°
0°	23465	23465	23465
5°	23354	23371	23505
10°	23252	23218	23218
15°	22896	22896	22757
20°	22525	22293	22098
25°	21956	21680	21294
30°	21419	20861	20360
35°	20854	20081	19369
40°	20102	19145	18318
45°	19421	18313	17182
50°	18720	17319	16074
55°	17957	16359	15022
60°	17133	15365	13833
65°	16168	14235	12580
70°	15055	12912	11208
75°	13653	11331	9980
80°	11898	9500	8829
85°	9178	8036	8036

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19421 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.7	2.5
10°-20°	549.7	7.0
20°-30°	798.7	10.1
30°-40°	908.1	11.5
40°-50°	881.5	11.2
50°-60°	744.3	9.5
60°-70°	529.5	6.7
70°-80°	282.9	3.6
80°-90°	74.8	0.9
90°-100°	33.5	0.4
100°-110°	175.3	2.2
110°-120°	441.3	5.6
120°-130°	680.8	8.6
130°-140°	623.2	7.9
140°-150°	460.0	5.8
150°-160°	293.2	3.7
160°-170°	154.4	2.0
170°-180°	48.1	0.6
0°-30°	1544.1	19.6
0°-40°	2452.2	31.1
0°-60°	4078.0	51.8
0°-90°	4965.3	63.1
90°-120°	650.1	8.3
90°-150°	2414.1	30.7
90°-180°	2910.0	37.0
0°-180°	7875.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2074	2074	2074	2074	2074	
5°	2056	2082	2058	2055	2070	195
15°	1955	1972	1955	1943	1943	551
25°	1759	1764	1737	1713	1706	810
35°	1510	1495	1454	1411	1402	941
45°	1214	1195	1144	1090	1074	936
55°	910	886	829	776	762	814
65°	604	582	532	484	470	598
75°	312	295	259	233	228	333
85°	71	65	62	62	62	84
90°	0	0	0	0	0	4
95°	17	49	20	11	11	22
105°	89	277	200	82	68	95
115°	170	347	832	362	275	166
125°	227	350	1090	1099	1016	203
135°	292	390	883	1204	1231	226
145°	368	426	737	1024	1120	229
155°	425	457	632	782	863	196
165°	471	484	508	594	634	133
175°	497	508	492	495	499	47
180°	495	495	495	495	495	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2073.9	2073.9	2073.9	2073.9	2073.9
2.5°	2063.3	2084.1	2065.7	2068.1	2072.7
5°	2056.2	2082.2	2057.7	2055.1	2069.5
7.5°	2040.3	2064.0	2038.6	2032.7	2045.6
10°	2023.8	2049.8	2020.9	2013.7	2020.9
12.5°	1994.4	2021.5	1998.5	1986.6	1992.6
15°	1954.6	1971.9	1954.6	1942.8	1942.8
17.5°	1906.0	1924.2	1891.6	1883.3	1880.1
20°	1870.7	1886.5	1851.5	1839.6	1835.3
22.5°	1823.5	1838.2	1809.1	1788.9	1783.5
25°	1758.7	1764.5	1736.6	1712.9	1705.7
27.5°	1693.6	1695.0	1656.8	1628.0	1618.5
30°	1639.4	1640.8	1596.7	1565.6	1558.4
32.5°	1585.2	1580.9	1538.9	1502.0	1497.1
35°	1509.8	1495.4	1453.8	1410.9	1402.3
37.5°	1418.8	1410.1	1361.0	1318.0	1305.0
40°	1361.0	1346.6	1296.2	1253.2	1240.2
42.5°	1303.3	1286.6	1234.9	1187.2	1173.1
45°	1213.7	1195.0	1144.5	1089.6	1073.8
47.5°	1123.6	1103.1	1047.6	994.4	976.9
50°	1063.5	1041.9	983.9	932.0	913.2
52.5°	1002.2	979.4	921.5	868.4	853.1
55°	910.3	885.8	829.3	775.9	761.5
57.5°	818.4	794.2	738.0	687.5	670.2
60°	757.1	734.1	679.0	628.6	611.3
62.5°	694.6	672.8	618.9	569.7	553.5
65°	603.9	582.3	531.7	484.3	469.9
67.5°	514.1	495.6	445.7	402.1	390.6
70°	455.1	437.9	390.3	350.3	338.8
72.5°	398.6	380.1	335.0	300.9	292.8
75°	312.3	295.0	259.2	232.6	228.3
77.5°	233.3	219.2	188.2	173.2	170.9
80°	182.6	169.7	145.8	135.5	135.5
82.5°	135.5	124.9	109.3	104.9	104.9
85°	70.7	64.9	61.9	61.9	61.9
87.5°	21.2	21.2	20.0	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.2	12.0	3.5	1.8	3.5
95°	17.4	49.4	19.6	10.9	10.9
97.5°	36.2	110.3	50.6	27.0	24.4
100°	50.1	156.7	78.5	39.1	34.9
102.5°	65.8	203.0	118.6	53.0	45.3
105°	89.4	276.9	200.5	82.5	67.6
107.5°	115.5	327.3	330.4	127.1	102.4
110°	132.9	348.2	440.2	166.9	128.6

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	148.6	353.6	586.7	227.6	175.7
115°	170.0	346.9	832.5	362.0	274.6
117.5°	185.7	330.2	1019.1	575.8	444.1
120°	196.1	330.4	1094.0	737.6	590.6
122.5°	208.3	332.4	1114.9	898.3	763.2
125°	226.7	350.2	1089.7	1098.7	1015.6
127.5°	245.0	363.4	1021.7	1181.0	1155.0
130°	257.2	372.2	967.6	1209.1	1189.9
132.5°	269.4	381.0	929.3	1209.7	1219.6
135°	292.0	390.1	882.6	1203.6	1231.3
137.5°	315.1	401.2	839.0	1165.5	1223.0
140°	329.1	410.1	804.2	1124.2	1207.3
142.5°	344.8	417.2	771.0	1086.0	1174.2
145°	368.3	425.8	736.6	1024.3	1120.2
147.5°	386.6	430.5	697.8	962.0	1041.3
150°	398.8	430.8	682.1	906.6	1004.7
152.5°	409.3	439.5	663.0	855.9	945.4
155°	425.0	456.9	632.0	782.0	863.0
157.5°	440.7	471.3	595.4	727.0	781.9
160°	451.1	476.7	571.0	700.4	736.6
162.5°	459.8	482.0	544.8	655.2	696.5
165°	470.7	483.5	507.8	593.7	634.2
167.5°	480.8	487.2	510.8	533.4	566.2
170°	486.0	492.4	505.6	527.6	538.3
172.5°	491.2	501.0	498.6	513.7	522.6
175°	496.9	507.5	492.5	494.8	499.1
177.5°	498.2	503.3	499.9	500.1	505.2
180°	494.7	494.7	494.7	494.7	494.7



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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	19.24	20.22	20.08	21.08	22.15	18.16	19.14	19.00	20.00	21.07
	3H	20.92	21.79	21.77	22.66	23.76	19.58	20.46	20.44	21.33	22.43
	4H	21.55	22.38	22.42	23.25	24.37	20.11	20.93	20.98	21.81	22.92
	6H	21.94	22.71	22.82	23.59	24.71	20.43	21.19	21.31	22.08	23.20
	8H	22.08	22.81	22.97	23.71	24.83	20.56	21.28	21.45	22.18	23.31
	12H	22.15	22.85	23.05	23.74	24.89	20.64	21.33	21.53	22.22	23.37
4H	2H	19.66	20.49	20.54	21.37	22.48	18.80	19.63	19.68	20.51	21.62
	3H	21.56	22.25	22.45	23.16	24.29	20.43	21.12	21.32	22.03	23.16
	4H	22.32	22.94	23.21	23.85	25.00	21.04	21.67	21.94	22.58	23.73
	6H	22.82	23.37	23.74	24.29	25.45	21.46	22.01	22.37	22.93	24.09
	8H	23.02	23.53	23.93	24.45	25.61	21.64	22.14	22.55	23.06	24.23
	12H	23.12	23.58	24.05	24.52	25.69	21.75	22.20	22.68	23.14	24.32
8H	4H	22.45	22.96	23.37	23.88	25.05	21.32	21.82	22.23	22.74	23.91
	6H	23.08	23.50	24.02	24.46	25.63	21.85	22.27	22.79	23.23	24.40
	8H	23.35	23.73	24.30	24.68	25.87	22.10	22.47	23.05	23.43	24.61
	12H	23.52	23.85	24.48	24.80	26.03	22.28	22.61	23.24	23.56	24.79
12H	4H	22.43	22.89	23.37	23.83	25.00	21.32	21.78	22.26	22.72	23.89
	6H	23.10	23.47	24.04	24.42	25.61	21.91	22.28	22.86	23.23	24.42
	8H	23.40	23.73	24.35	24.67	25.91	22.19	22.52	23.15	23.47	24.70