

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: P1439425

Luminaire Tested: CB3-B-055U-120D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439425
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

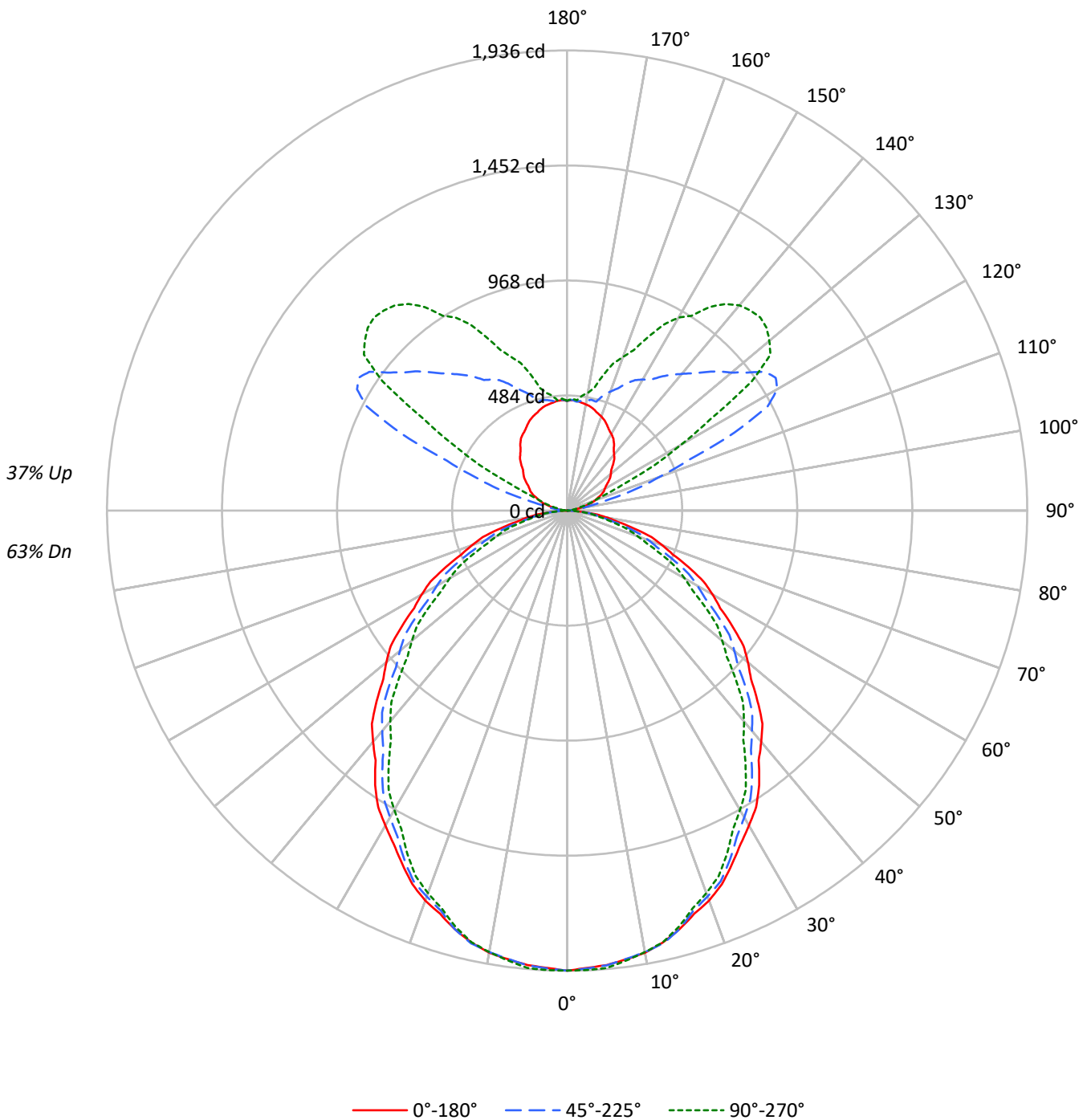
Lumens per Lamp: N/A
Luminaire Lumens: 7349.3 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 54.1
Input Voltage (V): 120
Input Current (A_{in}): 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: P1439425

CATALOG NUMBER: CB3-B-055U-120D-927-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439425

CATALOG NUMBER: CB3-B-055U-120D-927-1D-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	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°	21899	21899	21899
5°	21796	21812	21936
10°	21701	21668	21668
15°	21367	21367	21238
20°	21021	20805	20623
25°	20490	20233	19872
30°	19989	19468	19002
35°	19462	18741	18076
40°	18761	17867	17095
45°	18125	17091	16035
50°	17470	16164	15002
55°	16758	15266	14020
60°	15990	14340	12910
65°	15089	13285	11740
70°	14053	12052	10460
75°	12739	10575	9316
80°	11109	8868	8242
85°	8568	7491	7491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18125 cd/sqm



TEST NUMBER: P1439425

CATALOG NUMBER: CB3-B-055U-120D-927-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	2.5
10°-20°	513.0	7.0
20°-30°	745.4	10.1
30°-40°	847.5	11.5
40°-50°	822.7	11.2
50°-60°	694.6	9.5
60°-70°	494.2	6.7
70°-80°	264.1	3.6
80°-90°	69.8	0.9
90°-100°	31.2	0.4
100°-110°	163.6	2.2
110°-120°	411.8	5.6
120°-130°	635.4	8.6
130°-140°	581.6	7.9
140°-150°	429.3	5.8
150°-160°	273.6	3.7
160°-170°	144.1	2.0
170°-180°	44.9	0.6
0°-30°	1441.1	19.6
0°-40°	2288.5	31.1
0°-60°	3805.8	51.8
0°-90°	4633.8	63.1
90°-120°	606.7	8.3
90°-150°	2253.0	30.7
90°-180°	2716.0	37.0
0°-180°	7349.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1936	1936	1936	1936	1936	
5°	1919	1943	1920	1918	1931	182
15°	1824	1840	1824	1813	1813	514
25°	1641	1647	1621	1599	1592	756
35°	1409	1396	1357	1317	1309	878
45°	1133	1115	1068	1017	1002	874
55°	850	827	774	724	711	760
65°	564	543	496	452	438	558
75°	291	275	242	217	213	311
85°	66	61	58	58	58	78
90°	0	0	0	0	0	3
95°	16	46	18	10	10	21
105°	83	258	187	77	63	89
115°	159	324	777	338	256	154
125°	212	327	1017	1025	948	189
135°	272	364	824	1123	1149	211
145°	344	397	687	956	1045	214
155°	397	426	590	730	805	183
165°	439	451	474	554	592	124
175°	464	474	460	462	466	44
180°	462	462	462	462	462	

TEST NUMBER: P1439425

CATALOG NUMBER: CB3-B-055U-120D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1935.5	1935.5	1935.5	1935.5	1935.5
2.5°	1925.6	1944.9	1927.8	1930.1	1934.4
5°	1919.0	1943.2	1920.4	1917.9	1931.4
7.5°	1904.1	1926.2	1902.5	1897.0	1909.1
10°	1888.8	1912.9	1886.0	1879.3	1886.0
12.5°	1861.3	1886.5	1865.1	1854.0	1859.6
15°	1824.1	1840.3	1824.1	1813.1	1813.1
17.5°	1778.8	1795.7	1765.3	1757.5	1754.6
20°	1745.8	1760.6	1727.9	1716.8	1712.8
22.5°	1701.8	1715.5	1688.3	1669.5	1664.4
25°	1641.3	1646.7	1620.7	1598.6	1591.8
27.5°	1580.6	1581.9	1546.2	1519.3	1510.5
30°	1530.0	1531.3	1490.1	1461.1	1454.4
32.5°	1479.4	1475.4	1436.2	1401.8	1397.2
35°	1409.0	1395.6	1356.8	1316.7	1308.7
37.5°	1324.1	1316.0	1270.2	1230.0	1217.9
40°	1270.2	1256.7	1209.7	1169.5	1157.4
42.5°	1216.3	1200.7	1152.5	1107.9	1094.8
45°	1132.7	1115.2	1068.1	1016.9	1002.1
47.5°	1048.6	1029.5	977.6	928.1	911.7
50°	992.5	972.3	918.3	869.7	852.3
52.5°	935.3	914.1	860.0	810.4	796.2
55°	849.5	826.7	773.9	724.1	710.7
57.5°	763.7	741.2	688.7	641.6	625.5
60°	706.6	685.1	633.7	586.6	570.5
62.5°	648.3	627.8	577.6	531.6	516.6
65°	563.6	543.4	496.2	452.0	438.5
67.5°	479.7	462.5	416.0	375.3	364.6
70°	424.8	408.6	364.3	326.9	316.2
72.5°	372.0	354.8	312.6	280.8	273.3
75°	291.4	275.3	241.9	217.1	213.1
77.5°	217.7	204.6	175.7	161.6	159.5
80°	170.5	158.4	136.1	126.5	126.5
82.5°	126.5	116.5	102.0	97.9	97.9
85°	66.0	60.6	57.7	57.7	57.7
87.5°	19.8	19.8	18.7	17.6	17.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.9	11.2	3.3	1.7	3.3
95°	16.3	46.1	18.3	10.2	10.2
97.5°	33.8	103.0	47.2	25.2	22.8
100°	46.8	146.2	73.2	36.5	32.5
102.5°	61.4	189.5	110.6	49.5	42.3
105°	83.4	258.4	187.1	77.0	63.0
107.5°	107.8	305.5	308.3	118.7	95.6
110°	124.1	324.9	410.8	155.8	120.0



TEST NUMBER: P1439425

CATALOG NUMBER: CB3-B-055U-120D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	138.7	330.0	547.5	212.5	163.9
115°	158.6	323.7	776.9	337.8	256.3
117.5°	173.3	308.1	951.0	537.4	414.5
120°	183.0	308.3	1021.0	688.4	551.2
122.5°	194.4	310.2	1040.5	838.3	712.3
125°	211.5	326.9	1016.9	1025.3	947.8
127.5°	228.6	339.2	953.5	1102.2	1077.9
130°	240.0	347.4	903.0	1128.4	1110.5
132.5°	251.4	355.6	867.2	1129.0	1138.1
135°	272.5	364.0	823.7	1123.3	1149.1
137.5°	294.1	374.4	783.0	1087.7	1141.4
140°	307.1	382.7	750.5	1049.2	1126.8
142.5°	321.8	389.4	719.6	1013.5	1095.8
145°	343.7	397.4	687.4	955.9	1045.4
147.5°	360.8	401.8	651.2	897.8	971.8
150°	372.2	402.0	636.6	846.1	937.6
152.5°	382.0	410.2	618.7	798.8	882.3
155°	396.6	426.4	589.8	729.8	805.4
157.5°	411.2	439.9	555.7	678.4	729.7
160°	421.0	444.9	532.9	653.6	687.4
162.5°	429.1	449.8	508.5	611.4	650.0
165°	439.3	451.2	473.9	554.1	591.9
167.5°	448.7	454.6	476.7	497.8	528.4
170°	453.6	459.5	471.9	492.4	502.4
172.5°	458.4	467.6	465.3	479.4	487.7
175°	463.7	473.7	459.7	461.8	465.8
177.5°	464.9	469.7	466.6	466.7	471.4
180°	461.7	461.7	461.7	461.7	461.7



TEST NUMBER: P1439425

CATALOG NUMBER: CB3-B-055U-120D-927-1D-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	19.00	19.98	19.84	20.84	21.91	17.92	18.90	18.76	19.76	20.83
	3H	20.68	21.55	21.53	22.42	23.52	19.34	20.22	20.20	21.09	22.19
	4H	21.31	22.14	22.18	23.01	24.13	19.87	20.69	20.74	21.57	22.68
	6H	21.70	22.47	22.58	23.35	24.47	20.19	20.95	21.07	21.84	22.96
	8H	21.84	22.57	22.73	23.47	24.59	20.32	21.04	21.21	21.94	23.07
	12H	21.91	22.61	22.81	23.50	24.65	20.40	21.09	21.29	21.98	23.13
4H	2H	19.42	20.25	20.30	21.13	22.24	18.56	19.39	19.44	20.27	21.38
	3H	21.32	22.01	22.21	22.92	24.05	20.19	20.88	21.08	21.79	22.92
	4H	22.08	22.70	22.97	23.61	24.76	20.80	21.43	21.70	22.34	23.49
	6H	22.58	23.13	23.50	24.05	25.21	21.22	21.77	22.13	22.69	23.85
	8H	22.78	23.29	23.69	24.21	25.37	21.40	21.90	22.31	22.83	23.99
	12H	22.88	23.34	23.81	24.28	25.45	21.51	21.96	22.44	22.90	24.08
8H	4H	22.21	22.72	23.13	23.64	24.81	21.08	21.58	21.99	22.50	23.67
	6H	22.84	23.26	23.78	24.22	25.39	21.61	22.03	22.55	22.99	24.16
	8H	23.12	23.49	24.06	24.44	25.63	21.86	22.23	22.81	23.19	24.37
	12H	23.28	23.61	24.24	24.56	25.79	22.04	22.37	23.00	23.32	24.55
12H	4H	22.19	22.65	23.13	23.59	24.76	21.08	21.54	22.02	22.48	23.65
	6H	22.86	23.23	23.80	24.18	25.37	21.67	22.04	22.62	22.99	24.18
	8H	23.16	23.49	24.11	24.43	25.67	21.95	22.28	22.91	23.23	24.46