

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: P1438908

Luminaire Tested: CB2-B-055U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438908
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-055U-120D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

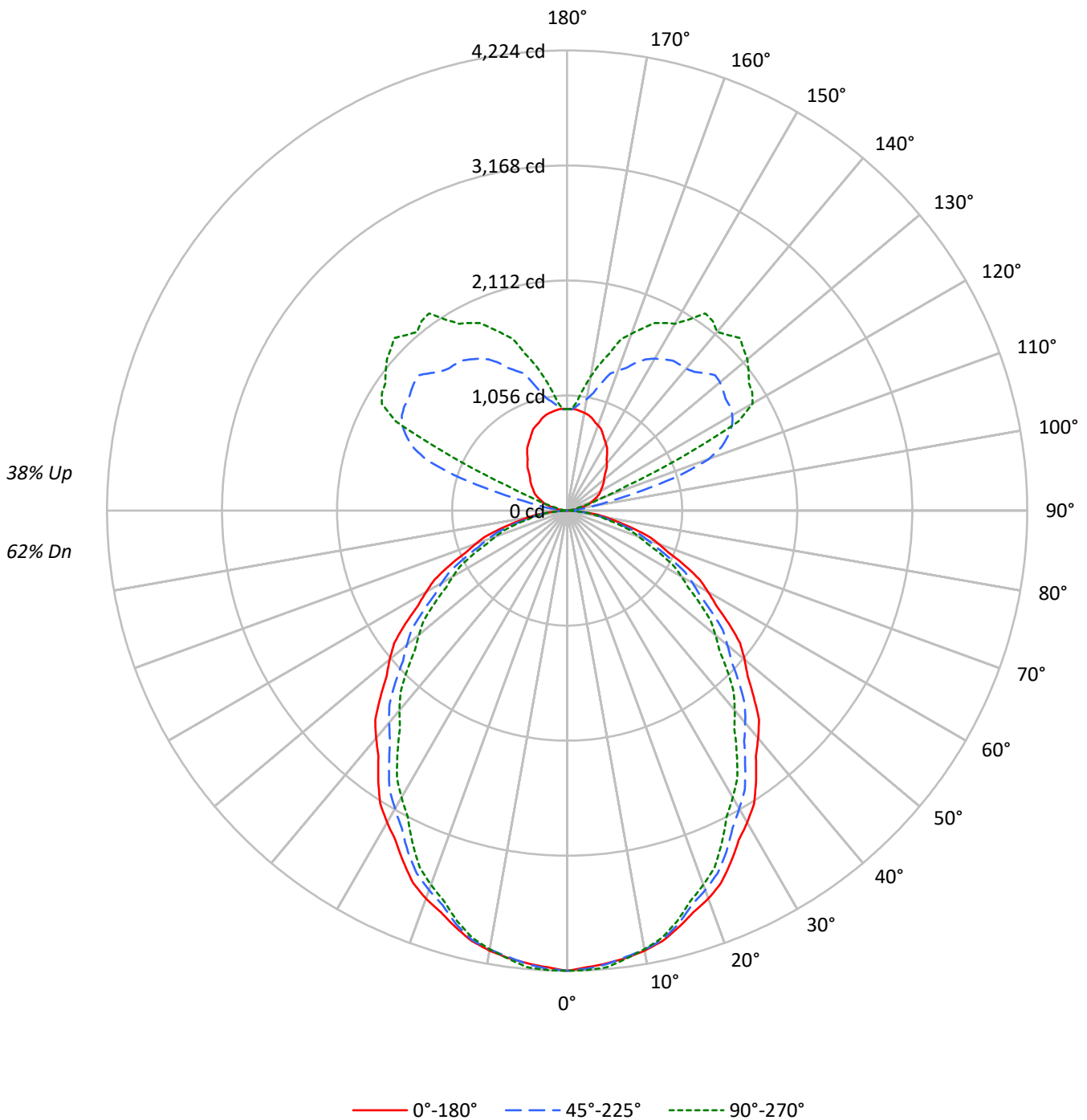
Lumens per Lamp: N/A
Luminaire Lumens: 15972.4 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 126.3
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: P1438908

CATALOG NUMBER: CB2-B-055U-120D-930-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1438908

CATALOG NUMBER: CB2-B-055U-120D-930-1D-UNV-STD-W-8

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	90	90	90	78	78	78	67	67	67	62
1	101	96	92	89	94	90	87	84	79	77	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	70	65	62	61	58	55	53	50	48	44
3	84	74	67	61	78	70	63	58	62	57	52	54	50	47	47	44	41	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	43	39	43	39	35	38	34	31	28
6	65	53	45	39	61	50	43	37	45	39	34	39	35	31	35	31	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	33	27	49	38	31	26	34	28	24	30	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	32	26	22	28	24	20	25	21	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36786	36786	36786
5°	36475	36532	36786
10°	36267	36181	36153
15°	35693	35459	35168
20°	35131	34351	33872
25°	34187	33224	32291
30°	33241	31777	30573
35°	32151	30294	28850
40°	30997	28901	27210
45°	29837	27446	25613
50°	28790	26029	24058
55°	27501	24554	22589
60°	26027	23153	21125
65°	24460	21594	19661
70°	22730	19848	17788
75°	20677	17958	16107
80°	18491	15732	14599
85°	14219	12930	10662

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29837 cd/sqm



TEST NUMBER: P1438908

CATALOG NUMBER: CB2-B-055U-120D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.2	2.5
10°-20°	1107.3	6.9
20°-30°	1592.1	10.0
30°-40°	1789.5	11.2
40°-50°	1728.7	10.8
50°-60°	1460.6	9.1
60°-70°	1049.1	6.6
70°-80°	573.4	3.6
80°-90°	152.3	1.0
90°-100°	69.8	0.4
100°-110°	432.3	2.7
110°-120°	1090.3	6.8
120°-130°	1310.6	8.2
130°-140°	1188.3	7.4
140°-150°	947.6	5.9
150°-160°	646.4	4.0
160°-170°	341.8	2.1
170°-180°	95.1	0.6
0°-30°	3096.7	19.4
0°-40°	4886.2	30.6
0°-60°	8075.4	50.6
0°-90°	9850.2	61.7
90°-120°	1592.4	10.0
90°-150°	5038.8	31.5
90°-180°	6122.0	38.3
0°-180°	15972.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4224	4224	4224	4224	4224	
5°	4172	4229	4179	4180	4208	396
15°	3959	3994	3933	3894	3901	1116
25°	3558	3561	3458	3380	3360	1638
35°	3024	2989	2850	2739	2714	1889
45°	2423	2372	2228	2111	2080	1872
55°	1811	1745	1617	1516	1488	1619
65°	1187	1143	1048	973	954	1177
75°	614	577	534	491	479	657
85°	142	133	129	113	107	169
90°	0	0	0	0	0	7
95°	36	91	28	20	20	46
105°	177	495	715	179	120	186
115°	305	674	1630	1518	1157	299
125°	398	818	1779	2024	2036	356
135°	498	906	1783	2088	2241	387
145°	639	953	1683	2028	2209	399
155°	775	971	1498	1805	1900	357
165°	880	962	1209	1423	1490	247
175°	932	944	960	976	996	88
180°	932	932	932	932	932	

TEST NUMBER: P1438908

CATALOG NUMBER: CB2-B-055U-120D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4224.1	4224.1	4224.1	4224.1	4224.1
2.5°	4195.7	4246.3	4208.6	4214.0	4221.5
5°	4172.4	4229.3	4178.9	4179.5	4208.0
7.5°	4142.6	4196.4	4132.9	4121.2	4147.8
10°	4101.2	4155.0	4091.5	4069.3	4088.3
12.5°	4046.9	4098.1	4037.2	4002.0	4018.4
15°	3958.9	3993.7	3933.0	3894.4	3900.7
17.5°	3863.2	3884.7	3797.2	3764.7	3758.4
20°	3790.7	3809.7	3706.6	3661.2	3654.9
22.5°	3697.6	3714.0	3605.7	3549.9	3541.0
25°	3557.8	3561.0	3457.6	3379.5	3360.5
27.5°	3411.7	3401.5	3286.8	3194.4	3169.7
30°	3305.6	3292.9	3160.0	3062.5	3040.3
32.5°	3191.7	3168.9	3035.8	2930.5	2908.4
35°	3024.2	2989.4	2849.5	2739.0	2713.7
37.5°	2845.6	2806.4	2669.0	2548.7	2520.2
40°	2726.6	2682.3	2542.2	2421.9	2393.5
42.5°	2607.6	2558.2	2415.5	2295.1	2264.1
45°	2422.6	2372.0	2228.5	2111.3	2079.7
47.5°	2246.6	2182.1	2042.9	1926.3	1894.7
50°	2125.0	2055.4	1921.2	1807.3	1775.7
52.5°	2000.8	1928.7	1799.6	1690.9	1659.2
55°	1811.3	1744.9	1617.2	1516.3	1487.8
57.5°	1623.7	1559.8	1443.2	1346.8	1319.0
60°	1494.3	1440.5	1329.3	1238.2	1212.9
62.5°	1370.1	1321.4	1215.5	1132.1	1106.8
65°	1187.0	1142.8	1047.9	973.1	954.1
67.5°	1009.1	964.9	888.2	821.1	799.5
70°	892.7	848.4	779.5	717.6	698.6
72.5°	781.4	734.6	678.6	622.0	608.1
75°	614.5	576.6	533.7	491.3	478.7
77.5°	467.0	430.4	399.1	369.3	366.1
80°	368.7	337.1	313.7	294.3	291.1
82.5°	275.6	251.5	236.1	221.9	221.2
85°	142.3	132.8	129.4	113.1	106.7
87.5°	41.4	41.4	36.2	31.1	31.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.6	15.9	6.4	6.4	6.4
95°	36.1	91.1	28.1	20.1	20.1
97.5°	75.5	218.4	151.8	40.8	35.3
100°	104.4	316.5	261.0	60.0	48.2
102.5°	133.3	401.9	412.0	95.1	73.9
105°	176.7	494.8	714.9	179.4	120.5
107.5°	219.3	555.4	1095.6	370.2	223.3
110°	245.0	590.5	1381.5	577.1	345.4

TEST NUMBER: P1438908

CATALOG NUMBER: CB2-B-055U-120D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	270.7	625.7	1539.0	925.1	596.0
115°	305.2	674.3	1630.5	1517.9	1156.6
117.5°	334.1	719.0	1709.2	1877.1	1771.1
120°	353.4	754.0	1751.0	1928.5	1963.9
122.5°	372.7	779.5	1773.5	1948.5	2015.3
125°	397.6	817.8	1779.1	2024.4	2036.2
127.5°	422.5	846.6	1805.6	2094.1	2099.6
130°	441.8	865.9	1831.3	2117.5	2160.6
132.5°	464.3	882.1	1841.0	2130.8	2196.0
135°	498.0	906.4	1783.1	2087.8	2241.0
137.5°	540.6	923.8	1727.7	2086.6	2185.5
140°	566.3	927.5	1698.8	2132.7	2140.6
142.5°	595.2	937.6	1692.4	2127.6	2195.2
145°	638.6	952.7	1682.7	2028.2	2208.8
147.5°	681.9	962.3	1645.8	1918.5	2076.3
150°	710.8	966.1	1610.4	1881.8	1979.9
152.5°	739.8	969.9	1565.5	1858.9	1941.4
155°	775.1	971.4	1498.0	1805.4	1899.6
157.5°	812.1	966.8	1416.9	1707.6	1810.4
160°	831.3	960.9	1365.5	1636.6	1726.9
162.5°	850.6	958.2	1320.5	1543.8	1649.8
165°	879.5	962.0	1208.8	1423.2	1490.0
167.5°	898.8	958.5	1104.4	1280.1	1374.3
170°	911.6	958.8	1040.2	1170.5	1249.0
172.5°	921.3	943.3	1001.6	1070.3	1123.7
175°	931.7	943.5	959.8	976.4	996.0
177.5°	934.9	941.2	928.5	925.4	931.7
180°	931.7	931.7	931.7	931.7	931.7



TEST NUMBER: P1438908
 CATALOG NUMBER: CB2-B-055U-120D-930-1D-UNV-STD-W-8

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	20.54	21.50	21.39	22.38	23.47	19.44	20.40	20.30	21.28	22.37
	3H	22.19	23.06	23.06	23.94	25.06	20.98	21.84	21.84	22.72	23.84
	4H	22.83	23.64	23.71	24.53	25.66	21.56	22.37	22.44	23.26	24.39
	6H	23.24	23.99	24.13	24.88	26.03	21.93	22.68	22.83	23.58	24.72
	8H	23.39	24.10	24.29	25.01	26.16	22.08	22.79	22.98	23.70	24.85
	12H	23.46	24.14	24.37	25.05	26.22	22.14	22.82	23.05	23.73	24.90
4H	2H	20.96	21.78	21.85	22.67	23.80	20.09	20.90	20.97	21.79	22.92
	3H	22.84	23.52	23.74	24.44	25.59	21.83	22.51	22.73	23.43	24.58
	4H	23.59	24.21	24.50	25.13	26.30	22.51	23.13	23.42	24.05	25.22
	6H	24.12	24.65	25.04	25.59	26.77	22.99	23.53	23.91	24.47	25.64
	8H	24.32	24.82	25.25	25.76	26.95	23.18	23.68	24.11	24.62	25.80
	12H	24.44	24.88	25.38	25.84	27.03	23.28	23.73	24.22	24.68	25.87
8H	4H	23.76	24.25	24.68	25.19	26.38	22.79	23.29	23.72	24.23	25.41
	6H	24.40	24.81	25.35	25.79	26.98	23.40	23.81	24.35	24.79	25.98
	8H	24.69	25.06	25.65	26.02	27.23	23.68	24.04	24.64	25.01	26.21
	12H	24.87	25.19	25.84	26.15	27.41	23.83	24.15	24.79	25.11	26.37
12H	4H	23.74	24.19	24.69	25.14	26.34	22.80	23.25	23.74	24.20	25.40
	6H	24.43	24.80	25.39	25.76	26.97	23.46	23.83	24.43	24.80	26.00
	8H	24.75	25.07	25.72	26.03	27.29	23.77	24.10	24.74	25.06	26.31