

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: P1438912

Luminaire Tested: CB2-B-055U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438912
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

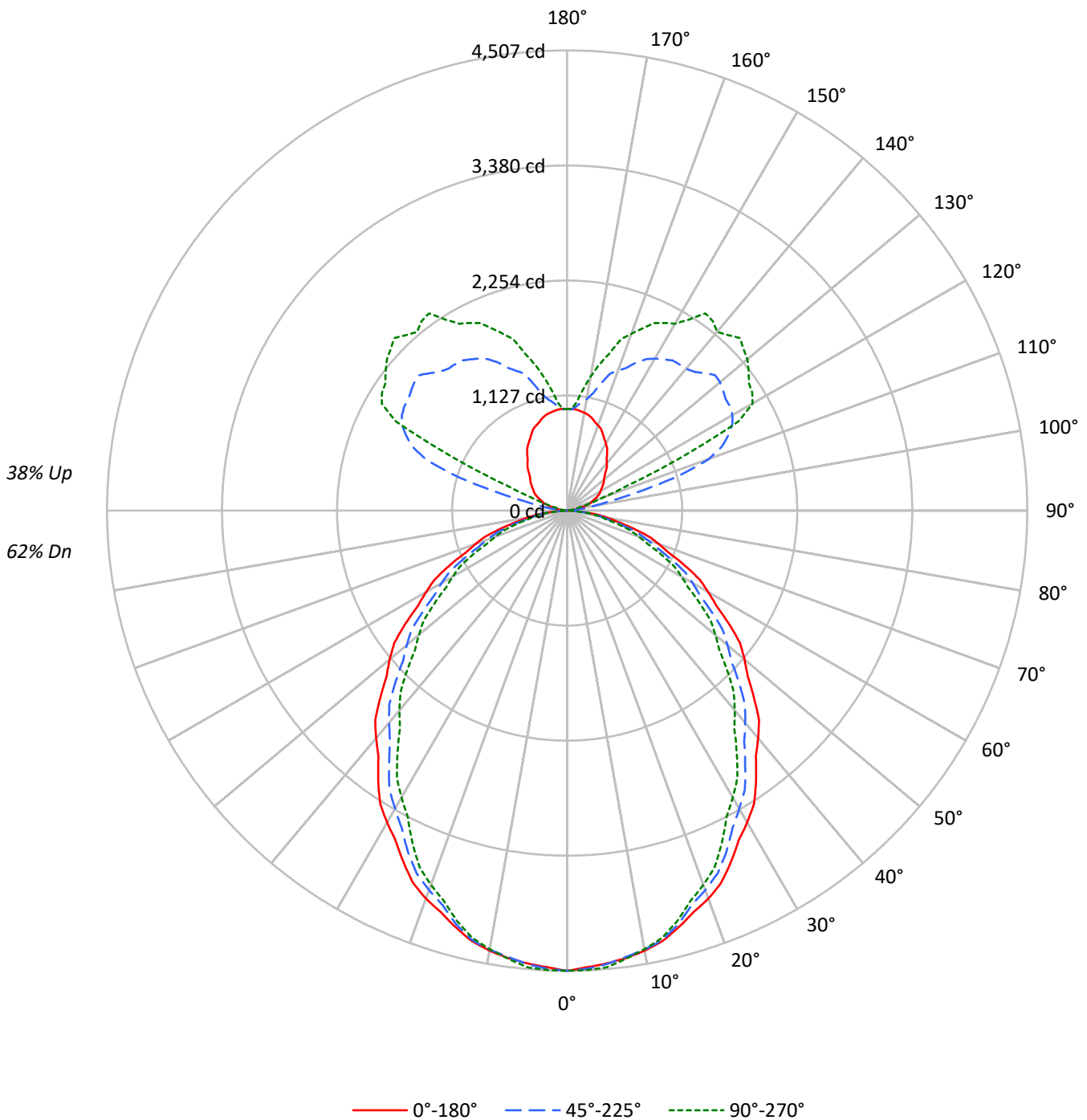
Lumens per Lamp: N/A
Luminaire Lumens: 17043.2 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

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

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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	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°	39253	39253	39253
5°	38920	38980	39251
10°	38699	38607	38577
15°	38086	37837	37526
20°	37485	36654	36143
25°	36479	35451	34456
30°	35469	33907	32623
35°	34306	32325	30784
40°	33075	30839	29034
45°	31837	29286	27330
50°	30721	27774	25670
55°	29344	26200	24105
60°	27772	24706	22542
65°	26100	23042	20979
70°	24253	21177	18982
75°	22063	19162	17187
80°	19729	16791	15577
85°	15178	13789	11381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31837 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.9	2.5
10°-20°	1181.5	6.9
20°-30°	1698.9	10.0
30°-40°	1909.5	11.2
40°-50°	1844.6	10.8
50°-60°	1558.5	9.1
60°-70°	1119.4	6.6
70°-80°	611.8	3.6
80°-90°	162.5	1.0
90°-100°	74.5	0.4
100°-110°	461.3	2.7
110°-120°	1163.3	6.8
120°-130°	1398.5	8.2
130°-140°	1267.9	7.4
140°-150°	1011.1	5.9
150°-160°	689.7	4.0
160°-170°	364.8	2.1
170°-180°	101.5	0.6
0°-30°	3304.2	19.4
0°-40°	5213.7	30.6
0°-60°	8616.8	50.6
0°-90°	10510.6	61.7
90°-120°	1699.1	10.0
90°-150°	5376.6	31.5
90°-180°	6533.0	38.3
0°-180°	17043.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4507	4507	4507	4507	4507	
5°	4452	4513	4459	4460	4490	423
15°	4224	4261	4197	4155	4162	1191
25°	3796	3800	3689	3606	3586	1748
35°	3227	3190	3040	2923	2896	2016
45°	2585	2531	2378	2253	2219	1997
55°	1933	1862	1726	1618	1588	1728
65°	1267	1219	1118	1038	1018	1256
75°	656	615	570	524	511	701
85°	152	142	138	121	114	181
90°	0	0	0	0	0	7
95°	39	97	30	21	21	49
105°	189	528	763	191	129	198
115°	326	720	1740	1620	1234	319
125°	424	873	1898	2160	2173	380
135°	531	967	1903	2228	2391	413
145°	681	1017	1796	2164	2357	426
155°	827	1037	1598	1926	2027	381
165°	938	1026	1290	1519	1590	263
175°	994	1007	1024	1042	1063	94
180°	994	994	994	994	994	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4507.3	4507.3	4507.3	4507.3	4507.3
2.5°	4476.9	4530.9	4490.7	4496.4	4504.5
5°	4452.1	4512.8	4459.0	4459.7	4490.0
7.5°	4420.3	4477.7	4410.0	4397.5	4425.9
10°	4376.2	4433.5	4365.8	4342.1	4362.4
12.5°	4318.2	4372.8	4307.8	4270.3	4287.8
15°	4224.3	4261.4	4196.7	4155.4	4162.2
17.5°	4122.1	4145.1	4051.7	4017.1	4010.3
20°	4044.8	4065.1	3955.1	3906.6	3899.9
22.5°	3945.4	3963.0	3847.4	3787.9	3778.4
25°	3796.4	3799.7	3689.4	3606.1	3585.8
27.5°	3640.4	3629.6	3507.1	3408.5	3382.2
30°	3527.2	3513.7	3371.8	3267.8	3244.2
32.5°	3405.7	3381.4	3239.3	3127.0	3103.3
35°	3226.9	3189.8	3040.5	2922.6	2895.6
37.5°	3036.4	2994.5	2848.0	2719.6	2689.2
40°	2909.4	2862.1	2712.7	2584.3	2553.9
42.5°	2782.4	2729.7	2577.4	2448.9	2415.9
45°	2585.0	2531.0	2377.9	2252.9	2219.1
47.5°	2397.2	2328.4	2179.8	2055.5	2021.7
50°	2267.5	2193.2	2050.0	1928.5	1894.7
52.5°	2134.9	2058.0	1920.3	1804.2	1770.5
55°	1932.7	1861.8	1725.6	1617.9	1587.6
57.5°	1732.5	1664.4	1539.9	1437.1	1407.4
60°	1594.5	1537.1	1418.5	1321.2	1294.2
62.5°	1461.9	1410.0	1297.0	1208.0	1181.0
65°	1266.6	1219.4	1118.2	1038.4	1018.1
67.5°	1076.8	1029.5	947.7	876.1	853.1
70°	952.5	905.3	831.7	765.7	745.5
72.5°	833.8	783.9	724.1	663.7	648.8
75°	655.7	615.2	569.5	524.3	510.8
77.5°	498.4	459.2	425.9	394.1	390.7
80°	393.4	359.7	334.8	314.0	310.6
82.5°	294.0	268.4	251.9	236.7	236.1
85°	151.9	141.7	138.0	120.6	113.9
87.5°	44.2	44.2	38.7	33.1	33.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.3	17.0	6.9	6.9	6.9
95°	38.6	97.2	30.0	21.4	21.4
97.5°	80.6	233.1	162.0	43.6	37.7
100°	111.4	337.7	278.5	64.0	51.4
102.5°	142.3	428.9	439.7	101.5	78.8
105°	188.6	527.9	762.8	191.4	128.6
107.5°	234.0	592.6	1169.0	395.0	238.3
110°	261.4	630.1	1474.1	615.7	368.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	288.8	667.6	1642.1	987.1	635.9
115°	325.7	719.5	1739.8	1619.7	1234.2
117.5°	356.5	767.2	1823.8	2002.9	1889.8
120°	377.1	804.5	1868.4	2057.8	2095.5
122.5°	397.7	831.8	1892.4	2079.1	2150.4
125°	424.2	872.6	1898.4	2160.1	2172.6
127.5°	450.8	903.3	1926.7	2234.5	2240.4
130°	471.4	923.9	1954.1	2259.4	2305.5
132.5°	495.4	941.2	1964.4	2273.6	2343.2
135°	531.4	967.1	1902.7	2227.8	2391.2
137.5°	576.8	985.8	1843.5	2226.5	2332.1
140°	604.2	989.7	1812.7	2275.7	2284.1
142.5°	635.1	1000.5	1805.8	2270.3	2342.3
145°	681.4	1016.6	1795.5	2164.2	2356.9
147.5°	727.6	1026.8	1756.1	2047.1	2215.5
150°	758.5	1030.9	1718.4	2007.9	2112.7
152.5°	789.4	1034.9	1670.4	1983.5	2071.5
155°	827.1	1036.6	1598.4	1926.4	2026.9
157.5°	866.5	1031.6	1511.9	1822.0	1931.8
160°	887.1	1025.3	1457.0	1746.3	1842.7
162.5°	907.6	1022.4	1409.0	1647.3	1760.4
165°	938.5	1026.5	1289.9	1518.6	1589.8
167.5°	959.1	1022.7	1178.5	1365.9	1466.4
170°	972.8	1023.0	1109.9	1248.9	1332.7
172.5°	983.0	1006.5	1068.8	1142.0	1199.0
175°	994.2	1006.8	1024.2	1041.8	1062.8
177.5°	997.6	1004.3	990.8	987.5	994.2
180°	994.2	994.2	994.2	994.2	994.2



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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	20.77	21.73	21.62	22.60	23.70	19.67	20.63	20.52	21.50	22.60
	3H	22.42	23.28	23.29	24.16	25.29	21.20	22.07	22.07	22.95	24.07
	4H	23.05	23.87	23.93	24.76	25.89	21.78	22.60	22.66	23.48	24.62
	6H	23.46	24.21	24.35	25.11	26.25	22.16	22.91	23.05	23.80	24.95
	8H	23.61	24.33	24.51	25.24	26.38	22.30	23.02	23.20	23.93	25.07
	12H	23.69	24.37	24.60	25.28	26.45	22.37	23.05	23.27	23.95	25.12
4H	2H	21.19	22.00	22.08	22.89	24.02	20.31	21.13	21.20	22.02	23.15
	3H	23.07	23.75	23.96	24.67	25.81	22.06	22.74	22.96	23.66	24.81
	4H	23.82	24.44	24.73	25.35	26.53	22.74	23.36	23.64	24.27	25.44
	6H	24.34	24.88	25.27	25.82	26.99	23.22	23.75	24.14	24.69	25.87
	8H	24.55	25.05	25.47	25.98	27.17	23.41	23.91	24.33	24.84	26.03
	12H	24.66	25.11	25.61	26.06	27.26	23.50	23.95	24.45	24.90	26.10
8H	4H	23.98	24.48	24.91	25.41	26.60	23.02	23.52	23.94	24.45	25.64
	6H	24.63	25.04	25.58	26.02	27.20	23.63	24.04	24.58	25.01	26.20
	8H	24.92	25.28	25.88	26.25	27.45	23.90	24.27	24.86	25.23	26.44
	12H	25.10	25.42	26.06	26.38	27.63	24.06	24.38	25.02	25.34	26.59
12H	4H	23.97	24.42	24.91	25.37	26.56	23.03	23.48	23.97	24.43	25.62
	6H	24.66	25.02	25.62	25.99	27.19	23.69	24.05	24.65	25.02	26.23
	8H	24.98	25.30	25.94	26.26	27.51	24.00	24.32	24.96	25.28	26.54