

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: P1438692

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438692
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-055U-120D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

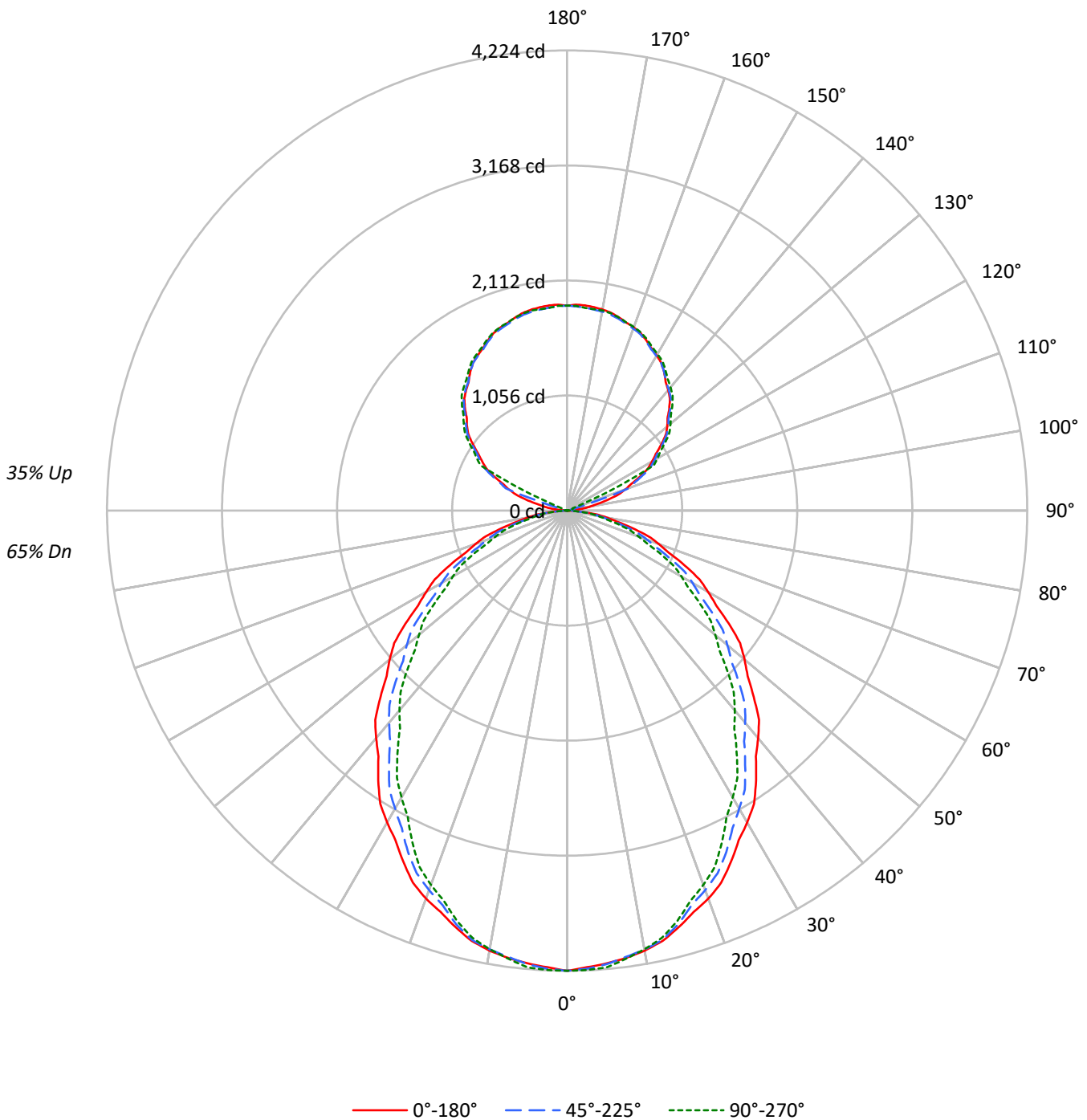
Lumens per Lamp: N/A
Luminaire Lumens: 15214.4 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

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

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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	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	61	59	55
2	92	85	79	74	87	80	75	70	71	67	63	63	59	57	55	52	50	46
3	85	75	68	62	79	71	64	59	63	58	53	56	52	48	49	46	43	40
4	78	67	59	52	73	63	56	50	56	50	46	50	45	42	44	40	37	34
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	30
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	26
7	61	49	40	35	57	46	39	34	41	35	31	37	32	28	33	29	26	23
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.2	2.6
10°-20°	1107.3	7.3
20°-30°	1592.1	10.5
30°-40°	1789.5	11.8
40°-50°	1728.7	11.4
50°-60°	1460.6	9.6
60°-70°	1049.1	6.9
70°-80°	573.4	3.8
80°-90°	152.4	1.0
90°-100°	32.8	0.2
100°-110°	208.7	1.4
110°-120°	663.0	4.4
120°-130°	962.1	6.3
130°-140°	1034.7	6.8
140°-150°	974.2	6.4
150°-160°	793.6	5.2
160°-170°	516.5	3.4
170°-180°	178.6	1.2
0°-30°	3096.7	20.4
0°-40°	4886.2	32.1
0°-60°	8075.4	53.1
0°-90°	9850.3	64.7
90°-120°	904.4	5.9
90°-150°	3875.3	25.5
90°-180°	5364.0	35.3
0°-180°	15214.4	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	1	1	9
95°	75	22	23	15	14	95
105°	392	406	41	48	50	413
115°	741	757	764	773	443	729
125°	1053	1072	1072	1090	1104	941
135°	1325	1341	1338	1347	1364	1022
145°	1551	1563	1552	1554	1574	969
155°	1722	1733	1714	1710	1734	794
165°	1836	1842	1823	1815	1834	519
175°	1891	1895	1870	1858	1868	180
180°	1881	1881	1881	1881	1881	

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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	31.3	31.3
90°	0.0	0.0	0.0	1.4	1.4
92.5°	20.7	7.9	5.4	7.9	7.9
95°	74.8	21.6	23.1	14.9	13.6
97.5°	155.3	34.8	33.5	36.8	38.1
100°	216.3	71.3	36.7	42.2	43.5
102.5°	283.7	268.6	37.8	45.5	47.9
105°	391.8	406.4	40.8	47.7	50.3
107.5°	497.9	512.5	189.9	49.3	52.0
110°	568.6	583.2	601.2	50.4	53.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	635.0	652.8	666.5	112.2	55.2
115°	741.3	757.3	764.5	773.3	443.4
117.5°	835.2	854.9	862.9	878.2	893.1
120°	900.5	919.1	925.0	940.3	956.3
122.5°	964.7	981.2	984.8	1002.3	1017.2
125°	1052.8	1071.5	1071.9	1089.9	1104.5
127.5°	1141.0	1156.9	1156.2	1169.6	1185.9
130°	1199.7	1210.4	1210.6	1221.9	1239.2
132.5°	1248.7	1263.6	1263.9	1273.0	1290.3
135°	1324.9	1340.8	1338.5	1347.0	1364.3
137.5°	1396.4	1411.9	1407.6	1414.8	1432.6
140°	1443.2	1456.5	1450.0	1457.3	1477.2
142.5°	1486.8	1500.1	1490.3	1496.5	1517.5
145°	1550.7	1562.7	1552.0	1553.9	1573.8
147.5°	1607.5	1619.2	1606.5	1608.2	1626.9
150°	1644.5	1655.2	1639.1	1640.9	1659.5
152.5°	1677.2	1686.8	1669.6	1669.3	1691.1
155°	1722.1	1732.7	1713.9	1710.4	1734.3
157.5°	1762.9	1772.7	1753.9	1751.3	1770.0
160°	1790.1	1796.7	1777.8	1774.2	1792.8
162.5°	1808.6	1816.3	1797.4	1791.6	1810.2
165°	1836.3	1841.7	1822.7	1815.0	1833.6
167.5°	1860.3	1866.4	1842.1	1835.2	1855.1
170°	1874.4	1878.4	1854.0	1845.0	1864.9
172.5°	1883.1	1886.1	1861.6	1851.3	1864.9
175°	1890.7	1894.7	1870.3	1858.3	1867.6
177.5°	1892.1	1894.2	1875.8	1865.3	1881.2
180°	1881.2	1881.2	1881.2	1881.2	1881.2



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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	20.79	21.79	21.61	22.63	23.67	19.69	20.69	20.51	21.53	22.57
	3H	22.45	23.34	23.28	24.19	25.26	21.23	22.12	22.06	22.97	24.05
	4H	23.08	23.92	23.93	24.78	25.87	21.81	22.65	22.66	23.51	24.59
	6H	23.49	24.27	24.35	25.13	26.23	22.19	22.96	23.05	23.83	24.93
	8H	23.64	24.38	24.51	25.27	26.36	22.33	23.07	23.20	23.96	25.05
	12H	23.72	24.43	24.60	25.30	26.43	22.40	23.10	23.28	23.98	25.10
4H	2H	21.22	22.06	22.07	22.92	24.00	20.34	21.18	21.20	22.04	23.13
	3H	23.10	23.80	23.96	24.69	25.79	22.09	22.79	22.96	23.68	24.78
	4H	23.85	24.49	24.73	25.38	26.50	22.77	23.41	23.65	24.30	25.42
	6H	24.38	24.93	25.27	25.84	26.97	23.25	23.80	24.14	24.72	25.84
	8H	24.58	25.10	25.48	26.01	27.15	23.44	23.96	24.34	24.87	26.01
	12H	24.70	25.16	25.61	26.09	27.23	23.54	24.00	24.45	24.93	26.08
8H	4H	24.02	24.53	24.91	25.44	26.58	23.05	23.57	23.95	24.47	25.62
	6H	24.66	25.09	25.59	26.04	27.18	23.66	24.09	24.59	25.04	26.18
	8H	24.95	25.33	25.89	26.27	27.43	23.94	24.32	24.87	25.26	26.41
	12H	25.13	25.47	26.07	26.40	27.61	24.09	24.43	25.03	25.36	26.57
12H	4H	24.00	24.47	24.92	25.39	26.54	23.06	23.53	23.98	24.45	25.60
	6H	24.69	25.07	25.63	26.01	27.17	23.72	24.10	24.66	25.04	26.20
	8H	25.02	25.35	25.95	26.28	27.49	24.04	24.37	24.98	25.30	26.51