

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: P1439212

Luminaire Tested: CB3-055U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439212
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-055U-120D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

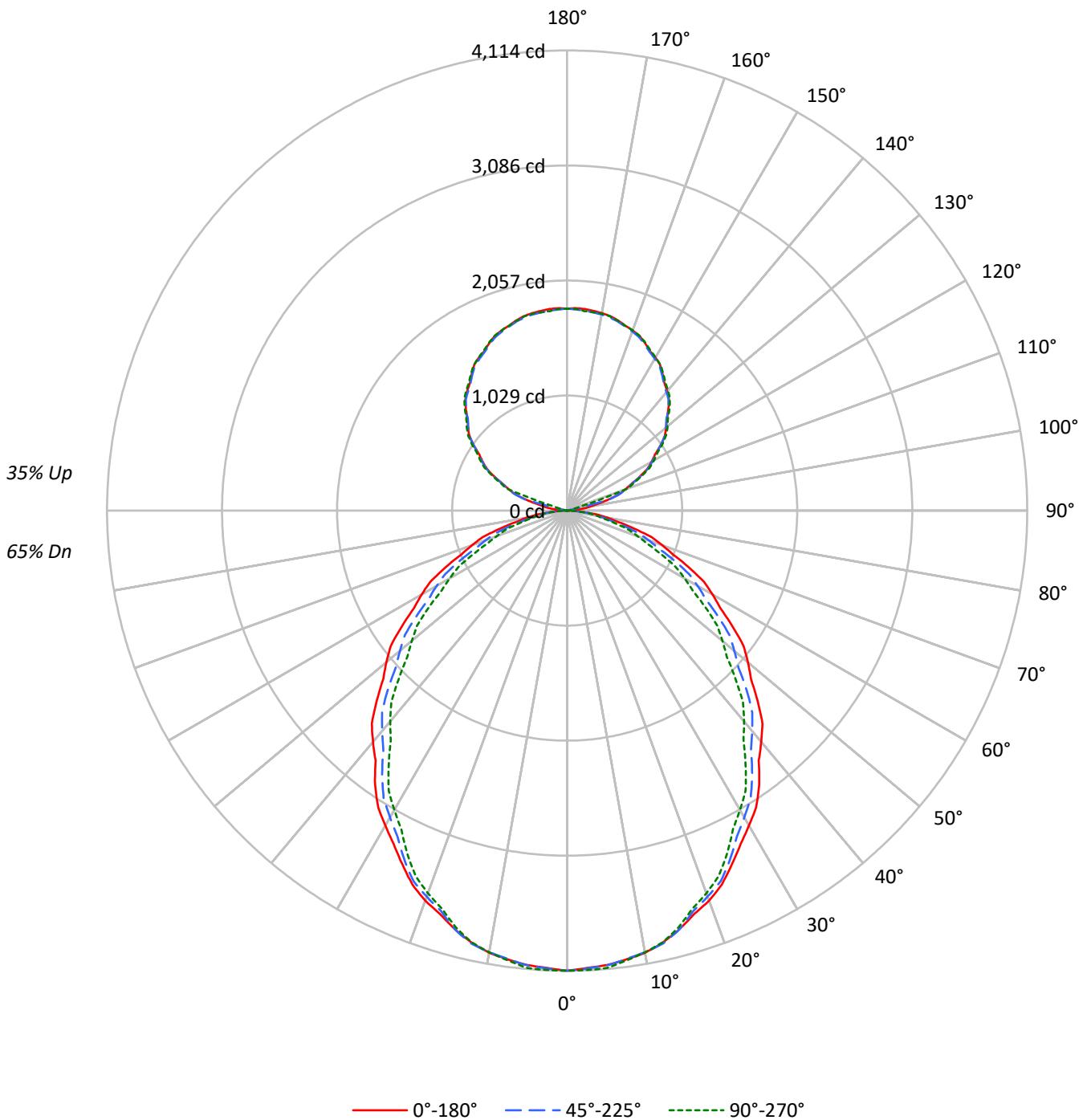
Lumens per Lamp: N/A
Luminaire Lumens: 15176.6 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 113.3
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: P1439212

CATALOG NUMBER: CB3-055U-120D-930-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439212

CATALOG NUMBER: CB3-055U-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	50	30	10	0	
RCR																						
0	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	70	70	70	65	
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	61	59	62	61	59	55	
2	93	85	79	74	87	80	75	70	71	67	63	63	59	57	55	53	50	55	53	50	47	
3	85	75	68	62	79	71	64	59	63	58	53	56	52	48	49	46	43	49	46	43	40	
4	78	67	59	52	73	63	56	50	56	50	46	50	45	42	44	40	37	44	40	37	34	
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	40	36	33	30	
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	36	32	29	26	
7	61	49	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26	33	29	26	23	
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	30	26	23	21	
9	53	40	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	28	24	21	19	
10	50	37	30	25	47	36	29	24	32	26	23	29	24	21	26	22	19	26	22	19	17	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23274	23274	23274
5°	23164	23181	23313
10°	23063	23029	23029
15°	22709	22709	22572
20°	22340	22112	21918
25°	21777	21503	21120
30°	21244	20690	20194
35°	20684	19917	19210
40°	19938	18989	18169
45°	19262	18164	17041
50°	18567	17178	15944
55°	17810	16225	14899
60°	16992	15241	13720
65°	16037	14120	12477
70°	14935	12808	11115
75°	13539	11242	9900
80°	11803	9425	8757
85°	9107	7964	7964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19262 cd/sqm



TEST NUMBER: P1439212

CATALOG NUMBER: CB3-055U-120D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.2	2.6
10°-20°	1090.5	7.2
20°-30°	1584.4	10.4
30°-40°	1801.4	11.9
40°-50°	1748.7	11.5
50°-60°	1476.4	9.7
60°-70°	1050.4	6.9
70°-80°	561.2	3.7
80°-90°	148.3	1.0
90°-100°	41.7	0.3
100°-110°	301.9	2.0
110°-120°	717.7	4.7
120°-130°	916.9	6.0
130°-140°	989.0	6.5
140°-150°	932.4	6.1
150°-160°	760.6	5.0
160°-170°	495.6	3.3
170°-180°	171.3	1.1
0°-30°	3063.1	20.2
0°-40°	4864.4	32.1
0°-60°	8089.5	53.3
0°-90°	9849.5	64.9
90°-120°	1061.3	7.0
90°-150°	3899.6	25.7
90°-180°	5327.0	35.1
0°-180°	15176.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4114	4114	4114	4114	4114	
5°	4079	4130	4082	4077	4105	387
15°	3877	3912	3877	3854	3854	1092
25°	3489	3500	3445	3398	3384	1607
35°	2995	2966	2884	2799	2782	1866
45°	2408	2370	2270	2162	2130	1857
55°	1806	1757	1645	1539	1511	1614
65°	1198	1155	1055	961	932	1187
75°	619	585	514	462	453	660
85°	140	129	123	123	123	166
90°	0	0	0	1	0	9
95°	76	14	18	19	19	94
105°	382	388	393	29	30	403
115°	717	722	724	735	739	707
125°	1019	1026	1023	1034	1041	909
135°	1280	1287	1276	1286	1294	986
145°	1490	1499	1480	1490	1498	932
155°	1650	1663	1640	1645	1655	761
165°	1759	1768	1749	1744	1756	497
175°	1809	1818	1794	1785	1790	172
180°	1805	1805	1805	1805	1805	

TEST NUMBER: P1439212

CATALOG NUMBER: CB3-055U-120D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4114.0	4114.0	4114.0	4114.0	4114.0
2.5°	4093.0	4134.1	4097.6	4102.5	4111.7
5°	4078.9	4130.4	4081.9	4076.7	4105.2
7.5°	4047.4	4094.2	4043.9	4032.2	4057.9
10°	4014.7	4066.1	4008.8	3994.5	4008.8
12.5°	3956.2	4009.9	3964.4	3940.7	3952.7
15°	3877.3	3911.6	3877.3	3854.0	3854.0
17.5°	3780.9	3816.9	3752.3	3735.8	3729.5
20°	3710.8	3742.2	3672.8	3649.2	3640.7
22.5°	3617.3	3646.4	3588.6	3548.7	3537.8
25°	3488.7	3500.1	3444.9	3397.8	3383.5
27.5°	3359.6	3362.4	3286.5	3229.4	3210.6
30°	3252.0	3254.9	3167.3	3105.6	3091.3
32.5°	3144.5	3136.0	3052.8	2979.5	2969.8
35°	2994.9	2966.4	2883.9	2798.8	2781.6
37.5°	2814.4	2797.2	2699.8	2614.5	2588.8
40°	2699.8	2671.2	2571.3	2485.9	2460.2
42.5°	2585.3	2552.1	2449.7	2355.0	2327.0
45°	2407.6	2370.5	2270.3	2161.5	2130.0
47.5°	2228.8	2188.2	2078.0	1972.6	1937.8
50°	2109.6	2066.7	1951.8	1848.7	1811.6
52.5°	1988.0	1942.9	1827.9	1722.6	1692.4
55°	1805.7	1757.2	1645.0	1539.2	1510.6
57.5°	1623.4	1575.4	1463.9	1363.7	1329.5
60°	1501.8	1456.1	1347.0	1246.9	1212.6
62.5°	1378.0	1334.5	1227.8	1130.0	1098.0
65°	1198.0	1155.1	1054.8	960.6	932.1
67.5°	1019.7	983.2	884.2	797.7	774.9
70°	902.9	868.6	774.3	694.9	672.0
72.5°	790.7	754.1	664.4	596.9	580.9
75°	619.4	585.2	514.3	461.5	452.9
77.5°	462.8	434.8	373.4	343.5	338.9
80°	362.3	336.6	289.3	268.8	268.8
82.5°	268.8	247.7	216.8	208.0	208.0
85°	140.3	128.8	122.7	122.7	122.7
87.5°	42.1	42.1	39.7	37.7	37.4
90°	0.0	0.0	0.0	1.3	0.0
92.5°	20.7	7.9	6.5	7.9	7.6
95°	76.2	13.7	17.7	19.0	19.0
97.5°	153.4	150.5	20.7	24.8	25.0
100°	212.2	218.8	21.8	25.9	27.2
102.5°	277.5	283.1	40.3	27.0	28.3
105°	382.2	387.6	393.1	28.6	29.9
107.5°	486.4	490.4	494.0	444.7	166.5
110°	555.0	559.0	560.4	574.1	576.7

TEST NUMBER: P1439212

CATALOG NUMBER: CB3-055U-120D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	619.2	624.2	626.8	638.3	643.1
115°	716.9	722.2	723.7	734.6	738.6
117.5°	809.6	815.2	817.8	826.6	833.0
120°	870.6	877.2	878.7	889.7	895.0
122.5°	930.4	938.1	937.5	947.4	954.9
125°	1018.8	1025.5	1022.9	1033.9	1040.6
127.5°	1102.9	1106.9	1101.3	1114.7	1120.3
130°	1156.2	1160.2	1153.5	1165.9	1172.5
132.5°	1205.2	1211.3	1203.5	1214.9	1221.5
135°	1280.0	1286.6	1275.9	1285.6	1293.6
137.5°	1346.6	1354.6	1341.7	1353.1	1360.0
140°	1390.2	1398.2	1382.0	1394.4	1402.4
142.5°	1430.4	1440.5	1421.2	1432.5	1441.6
145°	1489.5	1498.8	1480.0	1489.7	1497.6
147.5°	1545.5	1553.5	1535.4	1542.4	1548.0
150°	1579.2	1587.2	1567.0	1574.0	1580.6
152.5°	1606.5	1617.6	1597.5	1602.3	1612.2
155°	1650.0	1663.3	1640.5	1644.8	1655.4
157.5°	1690.0	1701.9	1679.1	1682.8	1692.1
160°	1713.9	1725.9	1703.0	1704.6	1713.9
162.5°	1732.4	1743.3	1723.7	1721.0	1732.4
165°	1758.8	1768.1	1749.3	1744.1	1756.1
167.5°	1780.8	1791.5	1768.3	1764.0	1777.6
170°	1792.8	1803.4	1779.2	1772.7	1787.4
172.5°	1800.4	1810.0	1786.8	1778.1	1789.5
175°	1809.1	1818.4	1794.2	1784.8	1790.1
177.5°	1811.6	1819.0	1799.6	1791.2	1804.0
180°	1805.1	1805.1	1805.1	1805.1	1805.1

TEST NUMBER: P1439212

CATALOG NUMBER: CB3-055U-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	19.36	20.36	20.18	21.20	22.24	18.28	19.28	19.10	20.12	21.16
	3H	21.04	21.93	21.87	22.78	23.85	19.71	20.60	20.54	21.45	22.52
	4H	21.67	22.52	22.52	23.38	24.46	20.23	21.07	21.08	21.93	23.01
	6H	22.07	22.85	22.93	23.71	24.80	20.55	21.33	21.42	22.20	23.29
	8H	22.21	22.95	23.08	23.83	24.93	20.68	21.42	21.55	22.31	23.40
	12H	22.28	22.99	23.16	23.86	24.98	20.76	21.47	21.64	22.34	23.46
4H	2H	19.78	20.63	20.64	21.49	22.57	18.93	19.77	19.78	20.63	21.71
	3H	21.69	22.39	22.55	23.28	24.38	20.56	21.26	21.42	22.15	23.25
	4H	22.44	23.08	23.32	23.97	25.09	21.17	21.81	22.05	22.70	23.82
	6H	22.95	23.50	23.84	24.42	25.54	21.59	22.14	22.48	23.05	24.18
	8H	23.15	23.66	24.04	24.57	25.71	21.76	22.28	22.66	23.19	24.32
	12H	23.25	23.71	24.17	24.64	25.78	21.87	22.34	22.79	23.27	24.41
8H	4H	22.58	23.10	23.48	24.00	25.14	21.44	21.96	22.34	22.86	24.00
	6H	23.21	23.63	24.13	24.58	25.72	21.98	22.40	22.90	23.35	24.49
	8H	23.48	23.86	24.42	24.80	25.96	22.23	22.61	23.16	23.55	24.70
	12H	23.65	23.99	24.59	24.92	26.13	22.41	22.75	23.35	23.68	24.88
12H	4H	22.56	23.03	23.48	23.95	25.10	21.45	21.92	22.37	22.84	23.99
	6H	23.22	23.60	24.16	24.54	25.70	22.03	22.41	22.97	23.35	24.51
	8H	23.53	23.86	24.47	24.79	26.00	22.32	22.66	23.26	23.59	24.79