

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: P1439214

Luminaire Tested: CB3-055U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439214
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-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

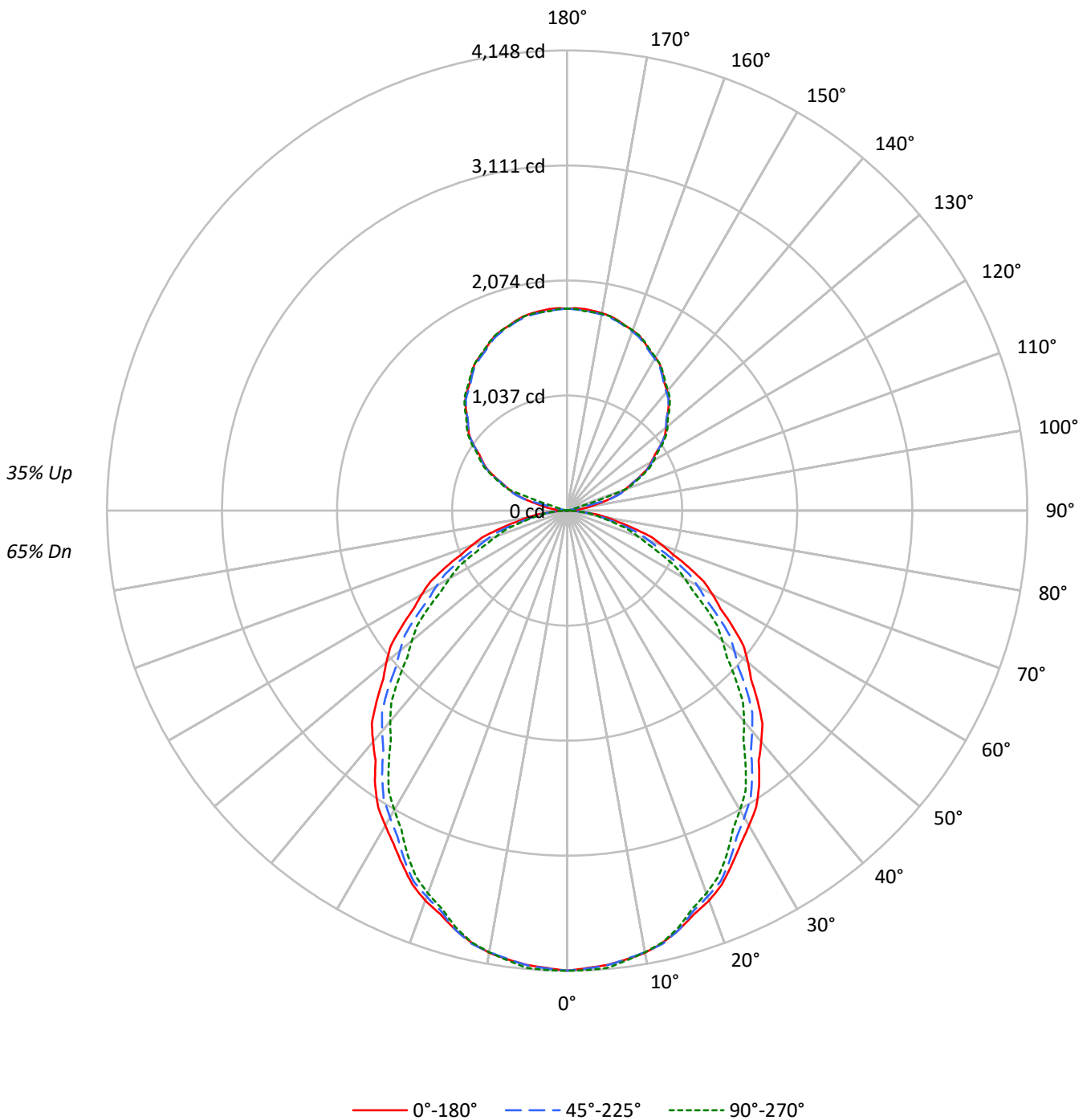
Lumens per Lamp: N/A
Luminaire Lumens: 15301.4 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

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: P1439214

CATALOG NUMBER: CB3-055U-120D-935-1D-UNV-STD-W-8

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	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	93	85	79	74	87	80	75	70	71	67	63	63	59	57	55	53	50	47								
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	33	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	40	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19								
10	50	37	30	25	47	36	29	24	32	26	23	29	24	21	26	22	19	17								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23465	23465	23465
5°	23354	23371	23505
10°	23252	23218	23218
15°	22896	22896	22758
20°	22524	22293	22098
25°	21956	21680	21294
30°	21419	20861	20360
35°	20854	20081	19369
40°	20102	19145	18319
45°	19421	18313	17182
50°	18719	17320	16075
55°	17957	16358	15022
60°	17133	15366	13833
65°	16168	14236	12579
70°	15057	12913	11208
75°	13650	11333	9980
80°	11901	9500	8829
85°	9178	8029	8029

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19421 cd/sqm



TEST NUMBER: P1439214

CATALOG NUMBER: CB3-055U-120D-935-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.4	2.6
10°-20°	1099.5	7.2
20°-30°	1597.4	10.4
30°-40°	1816.2	11.9
40°-50°	1763.1	11.5
50°-60°	1488.5	9.7
60°-70°	1059.1	6.9
70°-80°	565.9	3.7
80°-90°	149.5	1.0
90°-100°	42.0	0.3
100°-110°	304.3	2.0
110°-120°	723.6	4.7
120°-130°	924.5	6.0
130°-140°	997.2	6.5
140°-150°	940.1	6.1
150°-160°	766.9	5.0
160°-170°	499.7	3.3
170°-180°	172.7	1.1
0°-30°	3088.3	20.2
0°-40°	4904.4	32.1
0°-60°	8156.1	53.3
0°-90°	9930.5	64.9
90°-120°	1070.0	7.0
90°-150°	3931.6	25.7
90°-180°	5371.0	35.1
0°-180°	15301.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4148	4148	4148	4148	4148	
5°	4112	4164	4115	4110	4139	390
15°	3909	3944	3909	3886	3886	1101
25°	3517	3529	3473	3426	3411	1621
35°	3020	2991	2908	2822	2804	1882
45°	2427	2390	2289	2179	2148	1872
55°	1821	1772	1658	1552	1523	1628
65°	1208	1165	1064	969	940	1196
75°	624	590	518	465	457	666
85°	141	130	124	124	124	168
90°	0	0	0	1	0	9
95°	77	14	18	19	19	95
105°	385	391	396	29	30	406
115°	723	728	730	741	745	713
125°	1027	1034	1031	1042	1049	917
135°	1290	1297	1286	1296	1304	994
145°	1502	1511	1492	1502	1510	940
155°	1664	1677	1654	1658	1669	767
165°	1773	1783	1764	1758	1770	501
175°	1824	1833	1809	1800	1805	173
180°	1820	1820	1820	1820	1820	

TEST NUMBER: P1439214

CATALOG NUMBER: CB3-055U-120D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4147.8	4147.8	4147.8	4147.8	4147.8
2.5°	4126.6	4168.1	4131.3	4136.3	4145.5
5°	4112.5	4164.3	4115.4	4110.2	4139.0
7.5°	4080.7	4127.9	4077.1	4065.4	4091.3
10°	4047.7	4099.5	4041.8	4027.4	4041.8
12.5°	3988.8	4042.9	3997.0	3973.1	3985.2
15°	3909.2	3943.8	3909.2	3885.7	3885.7
17.5°	3812.0	3848.3	3783.1	3766.5	3760.2
20°	3741.3	3773.0	3703.0	3679.2	3670.6
22.5°	3647.0	3676.4	3618.2	3577.9	3566.9
25°	3517.4	3528.9	3473.2	3425.8	3411.4
27.5°	3387.2	3390.1	3313.6	3256.0	3237.0
30°	3278.8	3281.7	3193.4	3131.2	3116.8
32.5°	3170.4	3161.7	3077.9	3004.0	2994.2
35°	3019.6	2990.8	2907.6	2821.8	2804.5
37.5°	2837.5	2820.2	2722.0	2636.0	2610.1
40°	2722.0	2693.2	2592.4	2506.4	2480.5
42.5°	2606.5	2573.1	2469.9	2374.4	2346.1
45°	2427.4	2390.0	2289.0	2179.3	2147.6
47.5°	2247.1	2206.2	2095.1	1988.9	1953.7
50°	2126.9	2083.7	1967.9	1863.9	1826.5
52.5°	2004.4	1958.9	1843.0	1736.8	1706.3
55°	1820.6	1771.6	1658.5	1551.8	1523.0
57.5°	1636.7	1588.4	1475.9	1375.0	1340.4
60°	1514.2	1468.1	1358.1	1257.1	1222.6
62.5°	1389.3	1345.5	1237.9	1139.3	1107.1
65°	1207.8	1164.6	1063.5	968.6	939.7
67.5°	1028.1	991.3	891.4	804.3	781.3
70°	910.3	875.7	780.7	700.6	677.6
72.5°	797.2	760.3	669.9	601.8	585.6
75°	624.5	590.0	518.5	465.3	456.6
77.5°	466.6	438.4	376.5	346.3	341.7
80°	365.3	339.4	291.6	271.0	271.0
82.5°	271.0	249.7	218.6	209.7	209.7
85°	141.4	129.9	123.7	123.7	123.7
87.5°	42.4	42.4	40.1	38.0	37.7
90°	0.0	0.0	0.0	1.3	0.0
92.5°	20.8	8.0	6.6	7.9	7.7
95°	76.8	13.8	17.8	19.2	19.2
97.5°	154.7	151.7	20.8	25.0	25.2
100°	213.9	220.6	21.9	26.1	27.4
102.5°	279.8	285.4	40.6	27.2	28.5
105°	385.4	390.7	396.3	28.8	30.2
107.5°	490.4	494.4	498.1	448.4	167.9
110°	559.5	563.6	565.0	578.8	581.5



TEST NUMBER: P1439214

CATALOG NUMBER: CB3-055U-120D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	624.3	629.4	632.0	643.6	648.4
115°	722.7	728.1	729.6	740.7	744.7
117.5°	816.3	821.9	824.5	833.4	839.9
120°	877.7	884.4	885.9	897.0	902.4
122.5°	938.1	945.8	945.2	955.2	962.8
125°	1027.2	1033.9	1031.3	1042.4	1049.2
127.5°	1112.0	1116.0	1110.3	1123.9	1129.5
130°	1165.7	1169.7	1163.0	1175.5	1182.2
132.5°	1215.1	1221.3	1213.4	1224.8	1231.6
135°	1290.5	1297.2	1286.4	1296.2	1304.2
137.5°	1357.7	1365.8	1352.8	1364.2	1371.2
140°	1401.6	1409.7	1393.4	1405.9	1414.0
142.5°	1442.2	1452.4	1432.9	1444.3	1453.5
145°	1501.7	1511.1	1492.1	1501.9	1510.0
147.5°	1558.2	1566.3	1548.1	1555.1	1560.7
150°	1592.2	1600.3	1579.9	1586.9	1593.6
152.5°	1619.7	1630.9	1610.6	1615.5	1625.4
155°	1663.6	1677.0	1654.0	1658.3	1669.0
157.5°	1703.9	1715.9	1692.9	1696.7	1706.1
160°	1728.0	1740.1	1717.0	1718.6	1728.0
162.5°	1746.7	1757.7	1737.9	1735.1	1746.7
165°	1773.3	1782.7	1763.7	1758.5	1770.5
167.5°	1795.5	1806.2	1782.9	1778.5	1792.2
170°	1807.6	1818.3	1793.8	1787.3	1802.1
172.5°	1815.2	1824.9	1801.5	1792.7	1804.3
175°	1824.0	1833.4	1808.9	1799.5	1804.8
177.5°	1826.5	1834.0	1814.4	1805.9	1818.8
180°	1819.9	1819.9	1819.9	1819.9	1819.9



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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	19.39	20.39	20.21	21.23	22.27	18.31	19.31	19.13	20.15	21.19
	3H	21.07	21.96	21.90	22.81	23.88	19.73	20.63	20.57	21.48	22.55
	4H	21.70	22.55	22.55	23.41	24.49	20.26	21.10	21.11	21.96	23.04
	6H	22.09	22.87	22.96	23.74	24.83	20.58	21.36	21.45	22.23	23.32
	8H	22.24	22.98	23.11	23.86	24.95	20.71	21.45	21.58	22.33	23.43
	12H	22.31	23.01	23.18	23.89	25.01	20.79	21.50	21.67	22.37	23.49
4H	2H	19.81	20.66	20.67	21.52	22.60	18.95	19.80	19.81	20.66	21.74
	3H	21.72	22.42	22.58	23.31	24.41	20.59	21.29	21.45	22.18	23.28
	4H	22.47	23.11	23.35	24.00	25.12	21.20	21.84	22.08	22.73	23.85
	6H	22.98	23.53	23.87	24.44	25.57	21.62	22.17	22.51	23.08	24.21
	8H	23.17	23.69	24.07	24.60	25.74	21.79	22.31	22.69	23.21	24.35
	12H	23.28	23.74	24.19	24.67	25.81	21.90	22.37	22.82	23.29	24.44
8H	4H	22.61	23.13	23.51	24.03	25.17	21.47	21.99	22.37	22.89	24.03
	6H	23.23	23.66	24.16	24.61	25.75	22.00	22.43	22.93	23.38	24.52
	8H	23.51	23.89	24.44	24.83	25.99	22.26	22.64	23.19	23.58	24.73
	12H	23.68	24.01	24.62	24.95	26.15	22.44	22.77	23.38	23.71	24.91
12H	4H	22.59	23.05	23.51	23.98	25.12	21.48	21.94	22.40	22.87	24.01
	6H	23.25	23.63	24.18	24.57	25.73	22.06	22.44	23.00	23.38	24.54
	8H	23.56	23.89	24.49	24.82	26.03	22.35	22.68	23.29	23.62	24.82