

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: P1439216

Luminaire Tested: CB3-055U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439216
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

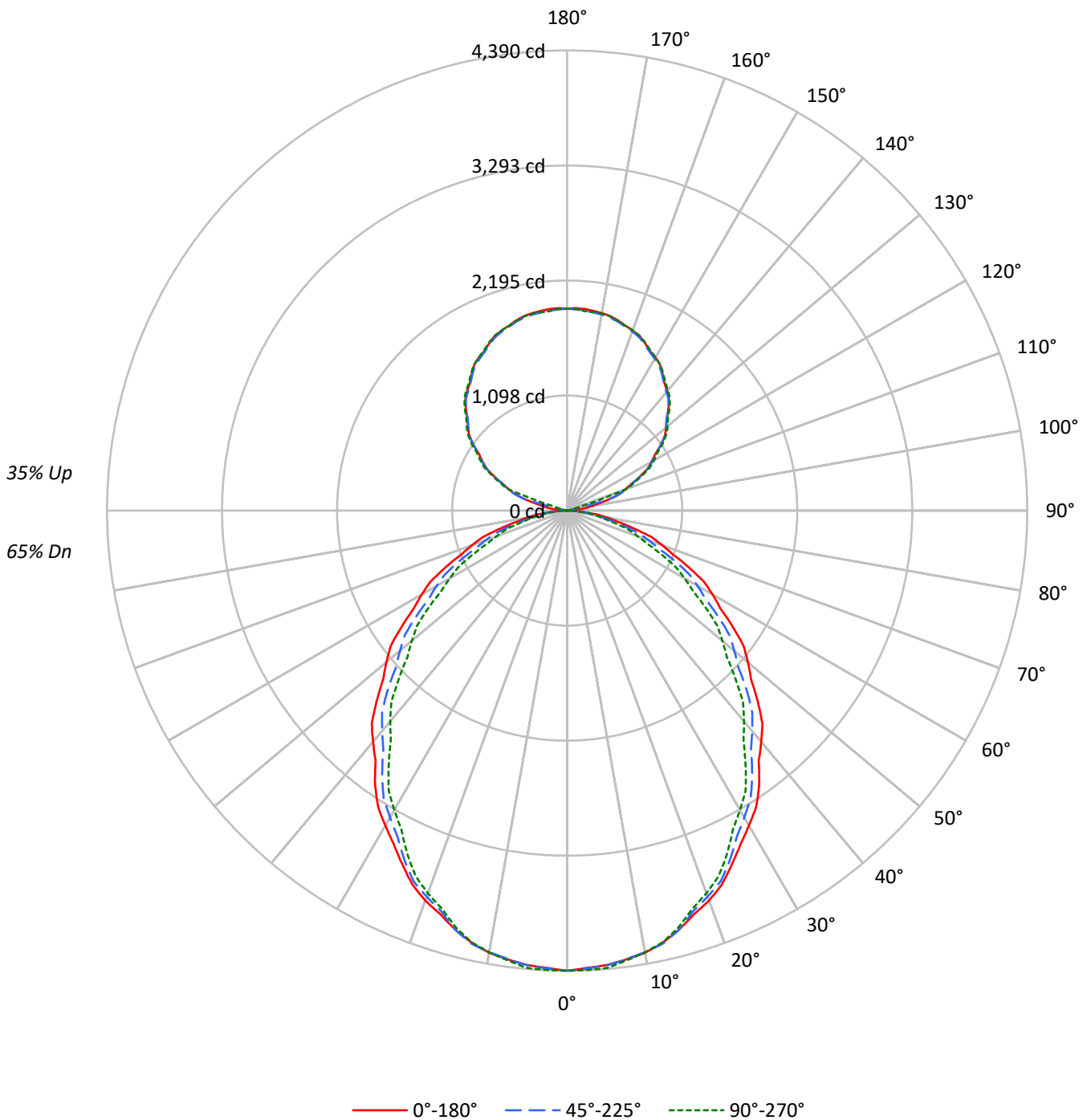
Lumens per Lamp: N/A
Luminaire Lumens: 16194.0 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

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: P1439216

CATALOG NUMBER: CB3-055U-120D-940-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439216

CATALOG NUMBER: CB3-055U-120D-940-1D-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	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°	24834	24834	24834
5°	24717	24734	24876
10°	24609	24572	24572
15°	24232	24232	24085
20°	23838	23594	23387
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20499
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18330	17013
55°	19004	17313	15898
60°	18132	16262	14640
65°	17112	15066	13314
70°	15935	13666	11861
75°	14448	11994	10564
80°	12595	10057	9344
85°	9717	8497	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20554 cd/sqm



TEST NUMBER: P1439216

CATALOG NUMBER: CB3-055U-120D-940-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.2	2.6
10°-20°	1163.6	7.2
20°-30°	1690.6	10.4
30°-40°	1922.1	11.9
40°-50°	1865.9	11.5
50°-60°	1575.4	9.7
60°-70°	1120.8	6.9
70°-80°	598.9	3.7
80°-90°	158.3	1.0
90°-100°	44.5	0.3
100°-110°	322.1	2.0
110°-120°	765.8	4.7
120°-130°	978.4	6.0
130°-140°	1055.3	6.5
140°-150°	994.9	6.1
150°-160°	811.6	5.0
160°-170°	528.8	3.3
170°-180°	182.8	1.1
0°-30°	3268.4	20.2
0°-40°	5190.5	32.1
0°-60°	8631.8	53.3
0°-90°	10509.8	64.9
90°-120°	1132.4	7.0
90°-150°	4161.0	25.7
90°-180°	5684.0	35.1
0°-180°	16194.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4390	4390	4390	4390	4390	
5°	4352	4407	4356	4350	4380	413
15°	4137	4174	4137	4112	4112	1165
25°	3723	3735	3676	3626	3610	1715
35°	3196	3165	3077	2986	2968	1991
45°	2569	2529	2422	2306	2273	1982
55°	1927	1875	1755	1642	1612	1723
65°	1278	1232	1126	1025	995	1266
75°	661	624	549	492	483	705
85°	150	138	131	131	131	177
90°	0	0	0	1	0	9
95°	81	15	19	20	20	100
105°	408	414	420	30	32	430
115°	765	771	772	784	788	755
125°	1087	1094	1092	1103	1110	970
135°	1366	1373	1361	1372	1380	1052
145°	1589	1599	1579	1590	1598	994
155°	1761	1775	1750	1755	1766	812
165°	1877	1887	1866	1861	1874	530
175°	1930	1940	1914	1904	1910	184
180°	1926	1926	1926	1926	1926	



TEST NUMBER: P1439216

CATALOG NUMBER: CB3-055U-120D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4389.8	4389.8	4389.8	4389.8	4389.8
2.5°	4367.3	4411.2	4372.3	4377.5	4387.3
5°	4352.4	4407.2	4355.5	4350.0	4380.4
7.5°	4318.7	4368.7	4315.0	4302.5	4329.9
10°	4283.8	4338.7	4277.5	4262.3	4277.5
12.5°	4221.4	4278.7	4230.2	4204.9	4217.7
15°	4137.3	4173.8	4137.3	4112.3	4112.3
17.5°	4034.4	4072.8	4003.8	3986.2	3979.5
20°	3959.5	3993.1	3919.0	3893.9	3884.7
22.5°	3859.8	3890.9	3829.2	3786.6	3775.0
25°	3722.6	3734.8	3675.8	3625.6	3610.4
27.5°	3584.8	3587.8	3506.8	3445.9	3425.8
30°	3470.1	3473.1	3379.6	3313.8	3298.6
32.5°	3355.3	3346.2	3257.4	3179.2	3168.9
35°	3195.7	3165.2	3077.2	2986.4	2968.1
37.5°	3003.0	2984.7	2880.8	2789.8	2762.3
40°	2880.8	2850.3	2743.6	2652.6	2625.1
42.5°	2758.6	2723.2	2613.9	2512.8	2483.0
45°	2569.0	2529.4	2422.5	2306.4	2272.8
47.5°	2378.2	2334.9	2217.3	2104.9	2067.7
50°	2251.0	2205.3	2082.7	1972.6	1933.0
52.5°	2121.3	2073.1	1950.5	1838.1	1805.8
55°	1926.8	1874.9	1755.3	1642.4	1611.9
57.5°	1732.2	1681.0	1562.0	1455.2	1418.6
60°	1602.5	1553.7	1437.3	1330.4	1293.9
62.5°	1470.3	1424.0	1310.1	1205.8	1171.6
65°	1278.3	1232.5	1125.5	1025.0	994.6
67.5°	1088.1	1049.1	943.4	851.2	826.8
70°	963.4	926.8	826.2	741.5	717.1
72.5°	843.7	804.6	709.0	636.9	619.8
75°	661.0	624.4	548.7	492.4	483.3
77.5°	493.9	464.0	398.4	366.5	361.7
80°	386.6	359.2	308.7	286.8	286.8
82.5°	286.8	264.3	231.3	222.0	222.0
85°	149.7	137.5	130.9	130.9	130.9
87.5°	44.9	44.9	42.4	40.2	39.9
90°	0.0	0.0	0.0	1.4	0.0
92.5°	22.1	8.4	7.0	8.4	8.1
95°	81.3	14.6	18.9	20.3	20.3
97.5°	163.7	160.6	22.1	26.4	26.7
100°	226.4	233.5	23.2	27.6	29.0
102.5°	296.1	302.1	43.0	28.8	30.2
105°	407.9	413.5	419.5	30.5	31.9
107.5°	519.0	523.3	527.2	474.5	177.7
110°	592.2	596.4	598.0	612.6	615.4



TEST NUMBER: P1439216

CATALOG NUMBER: CB3-055U-120D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	660.7	666.1	668.8	681.1	686.2
115°	764.9	770.6	772.2	783.9	788.1
117.5°	863.9	869.9	872.6	882.0	888.9
120°	928.9	936.0	937.6	949.4	955.0
122.5°	992.8	1001.0	1000.3	1011.0	1018.9
125°	1087.1	1094.2	1091.5	1103.3	1110.3
127.5°	1176.8	1181.1	1175.1	1189.4	1195.4
130°	1233.7	1238.0	1230.8	1244.0	1251.1
132.5°	1286.0	1292.5	1284.2	1296.3	1303.4
135°	1365.8	1372.9	1361.4	1371.8	1380.3
137.5°	1436.9	1445.4	1431.7	1443.8	1451.1
140°	1483.4	1491.9	1474.7	1487.9	1496.4
142.5°	1526.3	1537.1	1516.5	1528.6	1538.2
145°	1589.3	1599.3	1579.2	1589.5	1598.0
147.5°	1649.1	1657.6	1638.4	1645.8	1651.7
150°	1685.1	1693.6	1672.1	1679.5	1686.6
152.5°	1714.1	1726.1	1704.6	1709.7	1720.2
155°	1760.6	1774.8	1750.4	1755.0	1766.4
157.5°	1803.3	1816.0	1791.7	1795.7	1805.6
160°	1828.8	1841.6	1817.2	1818.9	1828.8
162.5°	1848.5	1860.2	1839.3	1836.3	1848.5
165°	1876.7	1886.6	1866.5	1861.0	1873.8
167.5°	1900.2	1911.6	1886.9	1882.3	1896.7
170°	1913.0	1924.3	1898.5	1891.6	1907.2
172.5°	1921.1	1931.3	1906.6	1897.3	1909.5
175°	1930.4	1940.3	1914.4	1904.4	1910.1
177.5°	1933.0	1941.0	1920.2	1911.3	1924.9
180°	1926.1	1926.1	1926.1	1926.1	1926.1



TEST NUMBER: P1439216
 CATALOG NUMBER: CB3-055U-120D-940-1D-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	19.59	20.58	20.41	21.42	22.47	18.51	19.51	19.33	20.35	21.39
	3H	21.26	22.16	22.10	23.01	24.08	19.93	20.83	20.76	21.68	22.75
	4H	21.90	22.74	22.75	23.60	24.68	20.46	21.30	21.31	22.16	23.24
	6H	22.29	23.07	23.15	23.94	25.03	20.78	21.56	21.64	22.42	23.52
	8H	22.43	23.17	23.30	24.06	25.15	20.91	21.65	21.78	22.53	23.63
	12H	22.50	23.21	23.38	24.09	25.21	20.99	21.69	21.86	22.57	23.69
4H	2H	20.01	20.86	20.86	21.71	22.79	19.15	20.00	20.01	20.85	21.94
	3H	21.91	22.62	22.78	23.51	24.60	20.78	21.49	21.65	22.38	23.47
	4H	22.67	23.31	23.55	24.20	25.32	21.40	22.04	22.27	22.92	24.05
	6H	23.18	23.73	24.07	24.64	25.77	21.82	22.37	22.71	23.28	24.41
	8H	23.37	23.89	24.27	24.79	25.93	21.99	22.51	22.88	23.41	24.55
	12H	23.48	23.94	24.39	24.87	26.01	22.10	22.57	23.02	23.49	24.63
8H	4H	22.81	23.32	23.70	24.23	25.37	21.67	22.18	22.56	23.09	24.23
	6H	23.43	23.86	24.35	24.81	25.95	22.20	22.63	23.13	23.58	24.72
	8H	23.71	24.09	24.64	25.03	26.18	22.45	22.83	23.39	23.77	24.93
	12H	23.88	24.21	24.81	25.14	26.35	22.64	22.97	23.57	23.90	25.11
12H	4H	22.79	23.25	23.70	24.18	25.32	21.68	22.14	22.59	23.07	24.21
	6H	23.45	23.83	24.38	24.77	25.92	22.26	22.64	23.19	23.58	24.73
	8H	23.75	24.09	24.69	25.02	26.23	22.55	22.88	23.48	23.81	25.02