

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: P1439208

Luminaire Tested: CB3-055U-120D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439208
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-840-1D-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, 80 CRI LEDS
Ballast/Driver: -

Summary

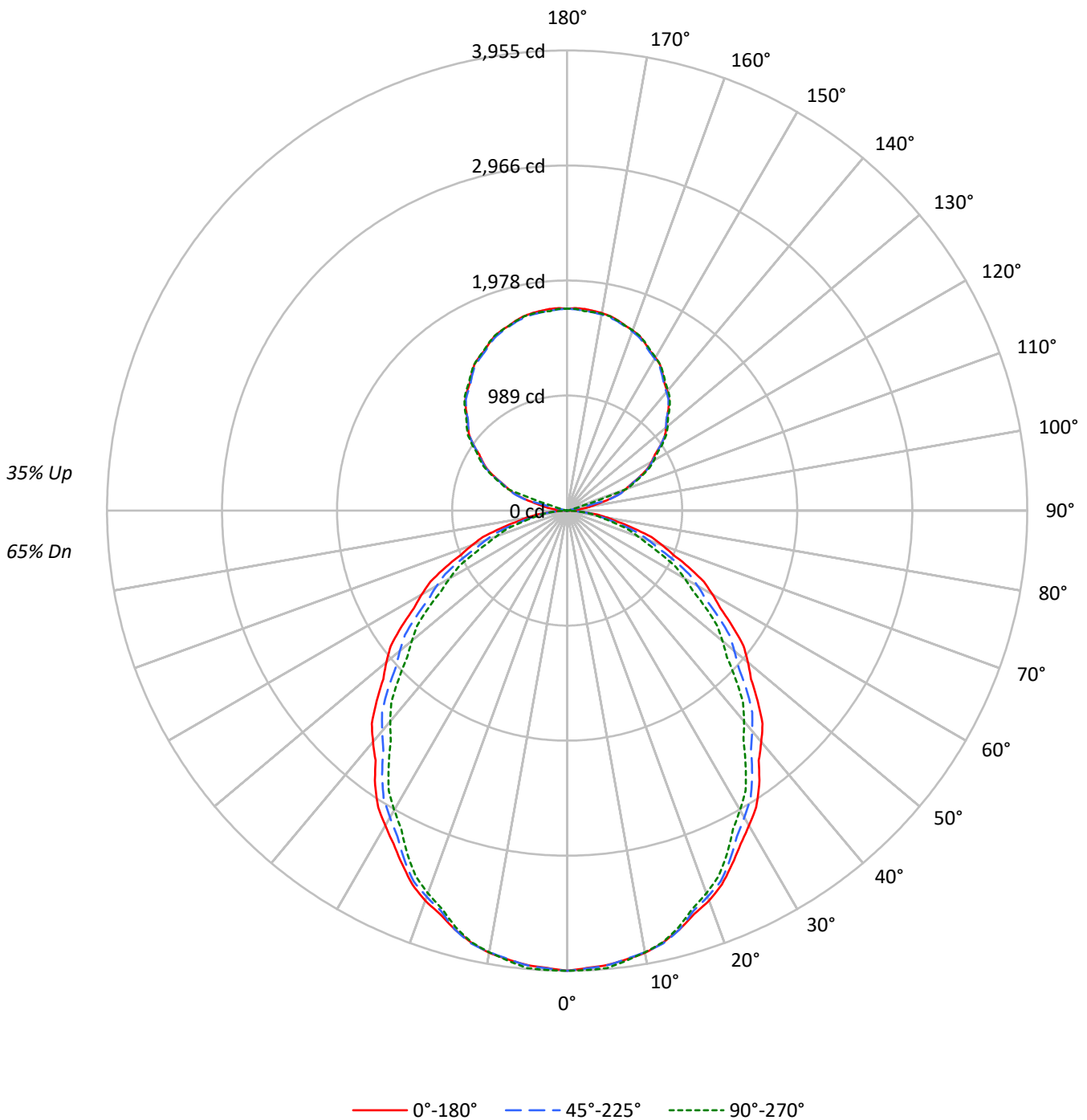
Lumens per Lamp: N/A
Luminaire Lumens: 14591.1 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

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: P1439208

CATALOG NUMBER: CB3-055U-120D-840-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439208

CATALOG NUMBER: CB3-055U-120D-840-1D-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°	22376	22376	22376
5°	22270	22286	22414
10°	22173	22141	22141
15°	21833	21833	21701
20°	21478	21258	21072
25°	20937	20674	20306
30°	20424	19892	19415
35°	19886	19148	18469
40°	19169	18257	17468
45°	18519	17463	16384
50°	17851	16515	15329
55°	17123	15600	14324
60°	16337	14652	13191
65°	15418	13575	11995
70°	14357	12313	10687
75°	13016	10807	9517
80°	11347	9060	8418
85°	8750	7659	7659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18519 cd/sqm



TEST NUMBER: P1439208

CATALOG NUMBER: CB3-055U-120D-840-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.2	2.6
10°-20°	1048.4	7.2
20°-30°	1523.3	10.4
30°-40°	1731.9	11.9
40°-50°	1681.2	11.5
50°-60°	1419.4	9.7
60°-70°	1009.9	6.9
70°-80°	539.6	3.7
80°-90°	142.6	1.0
90°-100°	40.1	0.3
100°-110°	290.2	2.0
110°-120°	690.0	4.7
120°-130°	881.5	6.0
130°-140°	950.9	6.5
140°-150°	896.4	6.1
150°-160°	731.3	5.0
160°-170°	476.5	3.3
170°-180°	164.7	1.1
0°-30°	2944.9	20.2
0°-40°	4676.7	32.1
0°-60°	7777.4	53.3
0°-90°	9469.5	64.9
90°-120°	1020.3	7.0
90°-150°	3749.2	25.7
90°-180°	5122.0	35.1
0°-180°	14591.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3955	3955	3955	3955	3955	
5°	3922	3971	3924	3919	3947	372
15°	3728	3761	3728	3705	3705	1050
25°	3354	3365	3312	3267	3253	1545
35°	2879	2852	2773	2691	2674	1794
45°	2315	2279	2183	2078	2048	1785
55°	1736	1689	1582	1480	1452	1552
65°	1152	1111	1014	924	896	1141
75°	596	563	494	444	435	635
85°	135	124	118	118	118	160
90°	0	0	0	1	0	8
95°	73	13	17	18	18	90
105°	368	373	378	28	29	388
115°	689	694	696	706	710	680
125°	980	986	983	994	1000	874
135°	1231	1237	1227	1236	1244	948
145°	1432	1441	1423	1432	1440	896
155°	1586	1599	1577	1581	1592	732
165°	1691	1700	1682	1677	1688	477
175°	1739	1748	1725	1716	1721	165
180°	1735	1735	1735	1735	1735	



TEST NUMBER: P1439208

CATALOG NUMBER: CB3-055U-120D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3955.3	3955.3	3955.3	3955.3	3955.3
2.5°	3935.1	3974.6	3939.6	3944.2	3953.0
5°	3921.6	3971.0	3924.4	3919.4	3946.9
7.5°	3891.2	3936.3	3887.9	3876.6	3901.3
10°	3859.8	3909.2	3854.2	3840.4	3854.2
12.5°	3803.6	3855.2	3811.5	3788.7	3800.2
15°	3727.7	3760.7	3727.7	3705.3	3705.3
17.5°	3635.0	3669.6	3607.5	3591.6	3585.6
20°	3567.6	3597.8	3531.1	3508.4	3500.2
22.5°	3477.7	3505.7	3450.2	3411.8	3401.3
25°	3354.1	3365.1	3312.0	3266.7	3253.0
27.5°	3230.0	3232.7	3159.7	3104.8	3086.7
30°	3126.6	3129.3	3045.1	2985.8	2972.1
32.5°	3023.2	3015.0	2935.0	2864.6	2855.2
35°	2879.4	2851.9	2772.6	2690.8	2674.3
37.5°	2705.8	2689.3	2595.7	2513.6	2488.9
40°	2595.7	2568.2	2472.1	2390.0	2365.3
42.5°	2485.5	2453.7	2355.2	2264.1	2237.2
45°	2314.7	2279.0	2182.7	2078.1	2047.9
47.5°	2142.8	2103.8	1997.9	1896.5	1863.0
50°	2028.2	1987.0	1876.5	1777.4	1741.7
52.5°	1911.3	1867.9	1757.4	1656.2	1627.1
55°	1736.1	1689.4	1581.6	1479.8	1452.3
57.5°	1560.8	1514.6	1407.4	1311.1	1278.2
60°	1443.9	1400.0	1295.0	1198.8	1165.8
62.5°	1324.8	1283.0	1180.4	1086.4	1055.7
65°	1151.8	1110.6	1014.1	923.6	896.1
67.5°	980.4	945.2	850.0	767.0	745.0
70°	868.0	835.1	744.4	668.1	646.1
72.5°	760.2	725.0	638.8	573.8	558.5
75°	595.5	562.6	494.4	443.7	435.4
77.5°	445.0	418.1	359.0	330.3	325.9
80°	348.3	323.6	278.1	258.4	258.4
82.5°	258.4	238.1	208.4	200.0	200.0
85°	134.8	123.9	118.0	118.0	118.0
87.5°	40.5	40.5	38.2	36.2	36.0
90°	0.0	0.0	0.0	1.3	0.0
92.5°	19.9	7.6	6.3	7.6	7.3
95°	73.2	13.1	17.0	18.3	18.3
97.5°	147.5	144.7	19.9	23.8	24.1
100°	204.0	210.4	20.9	24.9	26.2
102.5°	266.8	272.2	38.7	25.9	27.2
105°	367.5	372.6	377.9	27.5	28.8
107.5°	467.7	471.5	475.0	427.6	160.1
110°	533.6	537.4	538.8	551.9	554.5



TEST NUMBER: P1439208

CATALOG NUMBER: CB3-055U-120D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	595.3	600.2	602.6	613.7	618.3
115°	689.2	694.3	695.7	706.3	710.1
117.5°	778.4	783.8	786.2	794.7	800.9
120°	837.0	843.4	844.8	855.4	860.5
122.5°	894.5	901.9	901.3	910.9	918.1
125°	979.5	985.9	983.4	994.1	1000.4
127.5°	1060.3	1064.2	1058.8	1071.7	1077.1
130°	1111.6	1115.4	1109.0	1120.9	1127.3
132.5°	1158.7	1164.6	1157.1	1168.0	1174.4
135°	1230.6	1237.0	1226.7	1236.0	1243.7
137.5°	1294.7	1302.4	1290.0	1300.9	1307.5
140°	1336.5	1344.2	1328.7	1340.6	1348.3
142.5°	1375.3	1385.0	1366.4	1377.3	1386.0
145°	1432.0	1441.0	1422.9	1432.2	1439.9
147.5°	1485.9	1493.6	1476.2	1482.9	1488.2
150°	1518.3	1526.0	1506.6	1513.2	1519.6
152.5°	1544.5	1555.2	1535.8	1540.5	1550.0
155°	1586.3	1599.1	1577.2	1581.3	1591.6
157.5°	1624.8	1636.3	1614.3	1617.9	1626.9
160°	1647.8	1659.3	1637.3	1638.8	1647.8
162.5°	1665.6	1676.1	1657.2	1654.6	1665.6
165°	1690.9	1699.9	1681.8	1676.8	1688.3
167.5°	1712.1	1722.4	1700.1	1696.0	1709.0
170°	1723.6	1733.9	1710.6	1704.3	1718.4
172.5°	1731.0	1740.2	1717.9	1709.5	1720.5
175°	1739.3	1748.3	1724.9	1715.9	1721.0
177.5°	1741.7	1748.8	1730.2	1722.1	1734.4
180°	1735.4	1735.4	1735.4	1735.4	1735.4



TEST NUMBER: P1439208

CATALOG NUMBER: CB3-055U-120D-840-1D-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	19.22	20.22	20.04	21.06	22.10	18.15	19.14	18.97	19.98	21.03
	3H	20.90	21.80	21.73	22.65	23.72	19.57	20.46	20.40	21.31	22.39
	4H	21.54	22.38	22.39	23.24	24.32	20.09	20.94	20.94	21.80	22.88
	6H	21.93	22.71	22.79	23.57	24.67	20.42	21.20	21.28	22.06	23.16
	8H	22.07	22.81	22.94	23.70	24.79	20.54	21.29	21.42	22.17	23.26
	12H	22.14	22.85	23.02	23.73	24.85	20.62	21.33	21.50	22.21	23.33
4H	2H	19.65	20.49	20.50	21.35	22.43	18.79	19.63	19.64	20.49	21.57
	3H	21.55	22.25	22.42	23.14	24.24	20.42	21.12	21.29	22.02	23.11
	4H	22.30	22.95	23.18	23.83	24.96	21.03	21.67	21.91	22.56	23.68
	6H	22.81	23.37	23.71	24.28	25.41	21.45	22.01	22.35	22.92	24.04
	8H	23.01	23.53	23.91	24.43	25.57	21.63	22.14	22.52	23.05	24.19
	12H	23.11	23.58	24.03	24.50	25.65	21.74	22.20	22.65	23.13	24.27
8H	4H	22.44	22.96	23.34	23.87	25.01	21.31	21.82	22.20	22.73	23.87
	6H	23.07	23.50	23.99	24.44	25.58	21.84	22.27	22.76	23.21	24.35
	8H	23.35	23.72	24.28	24.66	25.82	22.09	22.47	23.03	23.41	24.57
	12H	23.52	23.85	24.45	24.78	25.99	22.28	22.61	23.21	23.54	24.75
12H	4H	22.42	22.89	23.34	23.81	24.96	21.31	21.78	22.23	22.70	23.85
	6H	23.09	23.47	24.02	24.41	25.56	21.90	22.28	22.83	23.22	24.37
	8H	23.39	23.73	24.33	24.66	25.87	22.19	22.52	23.12	23.45	24.66