

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: P1438694

Luminaire Tested: CB2-055U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438694
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-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

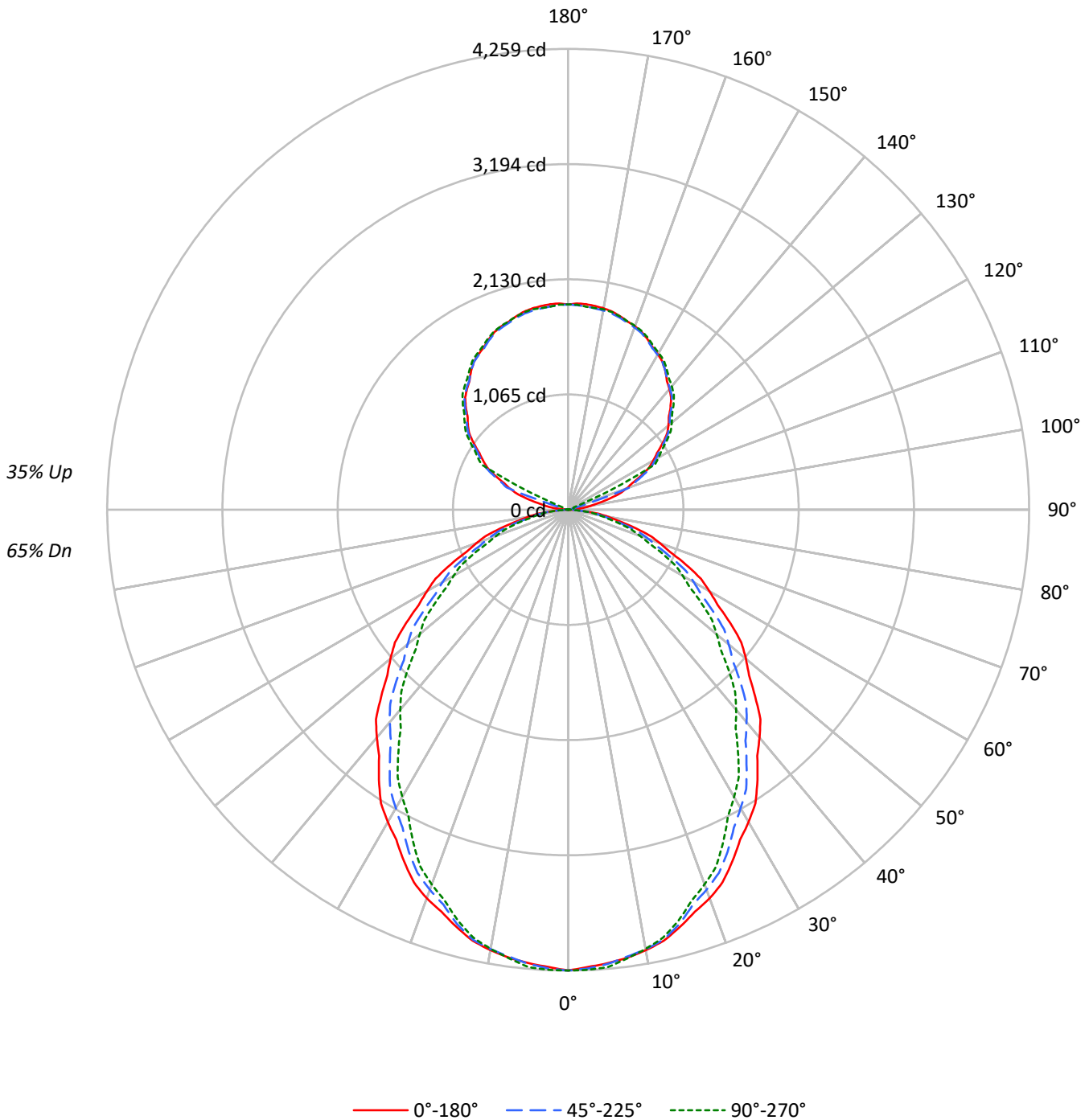
Lumens per Lamp: N/A
Luminaire Lumens: 15339.6 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

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

TEST NUMBER: P1438694

CATALOG NUMBER: CB2-055U-120D-935-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1438694

CATALOG NUMBER: CB2-055U-120D-935-1D-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	55	52	50	46	
2	92	85	79	74	87	80	75	70	71	67	63	63	59	57	55	52	50	46	43	40	40	
3	85	75	68	62	79	71	64	59	63	58	53	56	52	48	49	46	43	37	34	30	26	
4	78	67	59	52	73	63	56	50	56	50	46	50	45	42	44	40	37	34	30	26	23	
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	29	26	23	21	
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	26	23	21	19	
7	61	49	40	35	57	46	39	34	41	35	31	37	32	28	33	29	26	23	21	19	17	
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21	19	17	15	
9	53	41	33	28	50	39	32	27	35	29	25	31	27	23	28	24	21	19	17	15	13	
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17	15	13	11	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37089	37089	37089
5°	36775	36832	37089
10°	36566	36479	36450
15°	35987	35752	35458
20°	35420	34634	34150
25°	34468	33497	32557
30°	33514	32038	30825
35°	32415	30544	29087
40°	31252	29139	27433
45°	30082	27671	25824
50°	29027	26243	24255
55°	27727	24756	22776
60°	26241	23344	21300
65°	24662	21773	19823
70°	22916	20011	17936
75°	20848	18106	16238
80°	18646	15863	14719
85°	14339	13030	10751

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30082 cd/sqm



TEST NUMBER: P1438694

CATALOG NUMBER: CB2-055U-120D-935-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.5	2.6
10°-20°	1116.4	7.3
20°-30°	1605.2	10.5
30°-40°	1804.2	11.8
40°-50°	1742.9	11.4
50°-60°	1472.6	9.6
60°-70°	1057.8	6.9
70°-80°	578.1	3.8
80°-90°	153.6	1.0
90°-100°	33.1	0.2
100°-110°	210.4	1.4
110°-120°	668.4	4.4
120°-130°	970.0	6.3
130°-140°	1043.2	6.8
140°-150°	982.2	6.4
150°-160°	800.1	5.2
160°-170°	520.8	3.4
170°-180°	180.0	1.2
0°-30°	3122.1	20.4
0°-40°	4926.4	32.1
0°-60°	8141.9	53.1
0°-90°	9931.4	64.7
90°-120°	911.9	5.9
90°-150°	3907.2	25.5
90°-180°	5408.0	35.3
0°-180°	15339.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4259	4259	4259	4259	4259	
5°	4207	4264	4213	4214	4243	399
15°	3992	4027	3965	3926	3933	1125
25°	3587	3590	3486	3407	3388	1651
35°	3049	3014	2873	2762	2736	1905
45°	2442	2392	2247	2129	2097	1887
55°	1826	1759	1630	1529	1500	1633
65°	1197	1152	1057	981	962	1187
75°	620	581	538	495	483	663
85°	144	134	130	114	108	171
90°	0	0	0	1	1	9
95°	75	22	23	15	14	96
105°	395	410	41	48	51	416
115°	747	764	771	780	447	735
125°	1062	1080	1081	1099	1114	949
135°	1336	1352	1350	1358	1376	1030
145°	1563	1576	1565	1567	1587	977
155°	1736	1747	1728	1724	1749	800
165°	1851	1857	1838	1830	1849	523
175°	1906	1910	1886	1874	1883	181
180°	1897	1897	1897	1897	1897	

TEST NUMBER: P1438694

CATALOG NUMBER: CB2-055U-120D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4258.9	4258.9	4258.9	4258.9	4258.9
2.5°	4230.2	4281.2	4243.2	4248.6	4256.3
5°	4206.7	4264.1	4213.2	4213.9	4242.6
7.5°	4176.7	4230.9	4166.9	4155.1	4181.9
10°	4135.0	4189.2	4125.2	4102.8	4121.9
12.5°	4080.2	4131.8	4070.4	4034.9	4051.5
15°	3991.5	4026.6	3965.4	3926.4	3932.8
17.5°	3895.0	3916.6	3828.4	3795.7	3789.3
20°	3821.9	3841.0	3737.1	3691.3	3684.9
22.5°	3728.0	3744.6	3635.4	3579.1	3570.2
25°	3587.1	3590.3	3486.0	3407.3	3388.2
27.5°	3439.7	3429.5	3313.8	3220.7	3195.8
30°	3332.8	3320.0	3186.0	3087.7	3065.4
32.5°	3218.0	3195.0	3060.8	2954.6	2932.3
35°	3049.0	3014.0	2873.0	2761.5	2736.0
37.5°	2869.0	2829.5	2691.0	2569.7	2541.0
40°	2749.0	2704.4	2563.2	2441.8	2413.1
42.5°	2629.0	2579.3	2435.3	2314.0	2282.7
45°	2442.5	2391.5	2246.8	2128.7	2096.8
47.5°	2265.1	2200.1	2059.7	1942.2	1910.3
50°	2142.5	2072.3	1937.0	1822.2	1790.3
52.5°	2017.3	1944.6	1814.4	1704.8	1672.9
55°	1826.2	1759.2	1630.5	1528.8	1500.1
57.5°	1637.0	1572.6	1455.1	1357.9	1329.8
60°	1506.6	1452.4	1340.3	1248.4	1222.9
62.5°	1381.4	1332.3	1225.5	1141.4	1115.9
65°	1196.8	1152.2	1056.6	981.1	962.0
67.5°	1017.4	972.8	895.5	827.8	806.1
70°	900.0	855.4	785.9	723.5	704.4
72.5°	787.9	740.7	684.2	627.1	613.1
75°	619.6	581.3	538.1	495.4	482.6
77.5°	470.9	433.9	402.4	372.3	369.1
80°	371.8	339.9	316.3	296.7	293.5
82.5°	277.8	253.6	238.1	223.7	223.1
85°	143.5	133.9	130.4	114.0	107.6
87.5°	41.7	41.7	36.5	31.6	31.6
90°	0.0	0.0	0.0	1.4	1.4
92.5°	20.8	8.0	5.5	8.0	8.0
95°	75.4	21.8	23.3	15.1	13.7
97.5°	156.6	35.1	33.7	37.1	38.4
100°	218.1	71.9	37.0	42.5	43.9
102.5°	286.1	270.8	38.1	45.9	48.3
105°	395.0	409.7	41.1	48.1	50.7
107.5°	501.9	516.7	191.5	49.7	52.4
110°	573.3	588.0	606.2	50.8	53.5



TEST NUMBER: P1438694

CATALOG NUMBER: CB2-055U-120D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	640.2	658.2	672.0	113.1	55.7
115°	747.4	763.5	770.7	779.6	447.1
117.5°	842.1	861.9	870.0	885.5	900.5
120°	907.9	926.7	932.6	948.0	964.1
122.5°	972.6	989.3	992.9	1010.5	1025.6
125°	1061.5	1080.3	1080.7	1098.9	1113.6
127.5°	1150.4	1166.5	1165.7	1179.3	1195.6
130°	1209.6	1220.3	1220.6	1231.9	1249.4
132.5°	1259.0	1274.0	1274.3	1283.5	1300.9
135°	1335.8	1351.9	1349.5	1358.1	1375.6
137.5°	1407.9	1423.5	1419.2	1426.4	1444.4
140°	1455.1	1468.5	1462.0	1469.3	1489.4
142.5°	1499.0	1512.4	1502.6	1508.8	1530.0
145°	1563.4	1575.5	1564.8	1566.6	1586.8
147.5°	1620.8	1632.6	1619.7	1621.5	1640.2
150°	1658.1	1668.8	1652.6	1654.4	1673.2
152.5°	1691.0	1700.6	1683.3	1683.0	1705.0
155°	1736.2	1747.0	1728.0	1724.4	1748.6
157.5°	1777.4	1787.3	1768.3	1765.7	1784.5
160°	1804.8	1811.5	1792.5	1788.8	1807.6
162.5°	1823.5	1831.2	1812.2	1806.3	1825.1
165°	1851.4	1856.8	1837.7	1829.9	1848.7
167.5°	1875.6	1881.8	1857.2	1850.3	1870.4
170°	1889.8	1893.9	1869.3	1860.1	1880.2
172.5°	1898.6	1901.6	1877.0	1866.6	1880.2
175°	1906.3	1910.3	1885.7	1873.6	1883.0
177.5°	1907.7	1909.8	1891.2	1880.6	1896.7
180°	1896.7	1896.7	1896.7	1896.7	1896.7



TEST NUMBER: P1438694
 CATALOG NUMBER: CB2-055U-120D-935-1D-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	20.82	21.81	21.64	22.66	23.70	19.72	20.71	20.54	21.56	22.60
	3H	22.47	23.37	23.31	24.22	25.29	21.26	22.15	22.09	23.00	24.07
	4H	23.11	23.95	23.96	24.81	25.89	21.84	22.68	22.69	23.54	24.62
	6H	23.52	24.30	24.38	25.16	26.26	22.21	22.99	23.08	23.86	24.96
	8H	23.67	24.41	24.54	25.30	26.39	22.36	23.10	23.23	23.98	25.08
	12H	23.75	24.45	24.63	25.33	26.45	22.43	23.13	23.30	24.01	25.13
4H	2H	21.24	22.09	22.10	22.95	24.03	20.37	21.21	21.23	22.07	23.16
	3H	23.13	23.83	23.99	24.72	25.82	22.12	22.82	22.98	23.71	24.81
	4H	23.88	24.52	24.76	25.41	26.53	22.80	23.44	23.68	24.32	25.45
	6H	24.40	24.96	25.30	25.87	27.00	23.28	23.83	24.17	24.74	25.87
	8H	24.61	25.13	25.51	26.04	27.18	23.47	23.99	24.37	24.90	26.04
	12H	24.72	25.19	25.64	26.12	27.26	23.57	24.03	24.48	24.96	26.10
8H	4H	24.04	24.56	24.94	25.47	26.61	23.08	23.60	23.98	24.50	25.64
	6H	24.69	25.12	25.62	26.07	27.21	23.69	24.12	24.61	25.07	26.21
	8H	24.98	25.36	25.92	26.30	27.46	23.97	24.34	24.90	25.29	26.44
	12H	25.16	25.50	26.10	26.43	27.64	24.12	24.45	25.06	25.39	26.60
12H	4H	24.03	24.49	24.95	25.42	26.57	23.09	23.55	24.01	24.48	25.63
	6H	24.72	25.10	25.66	26.04	27.20	23.75	24.13	24.69	25.07	26.23
	8H	25.04	25.38	25.98	26.31	27.52	24.07	24.40	25.00	25.33	26.54