

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: P1438664

Luminaire Tested: CB2-055U-055D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438664
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-055D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

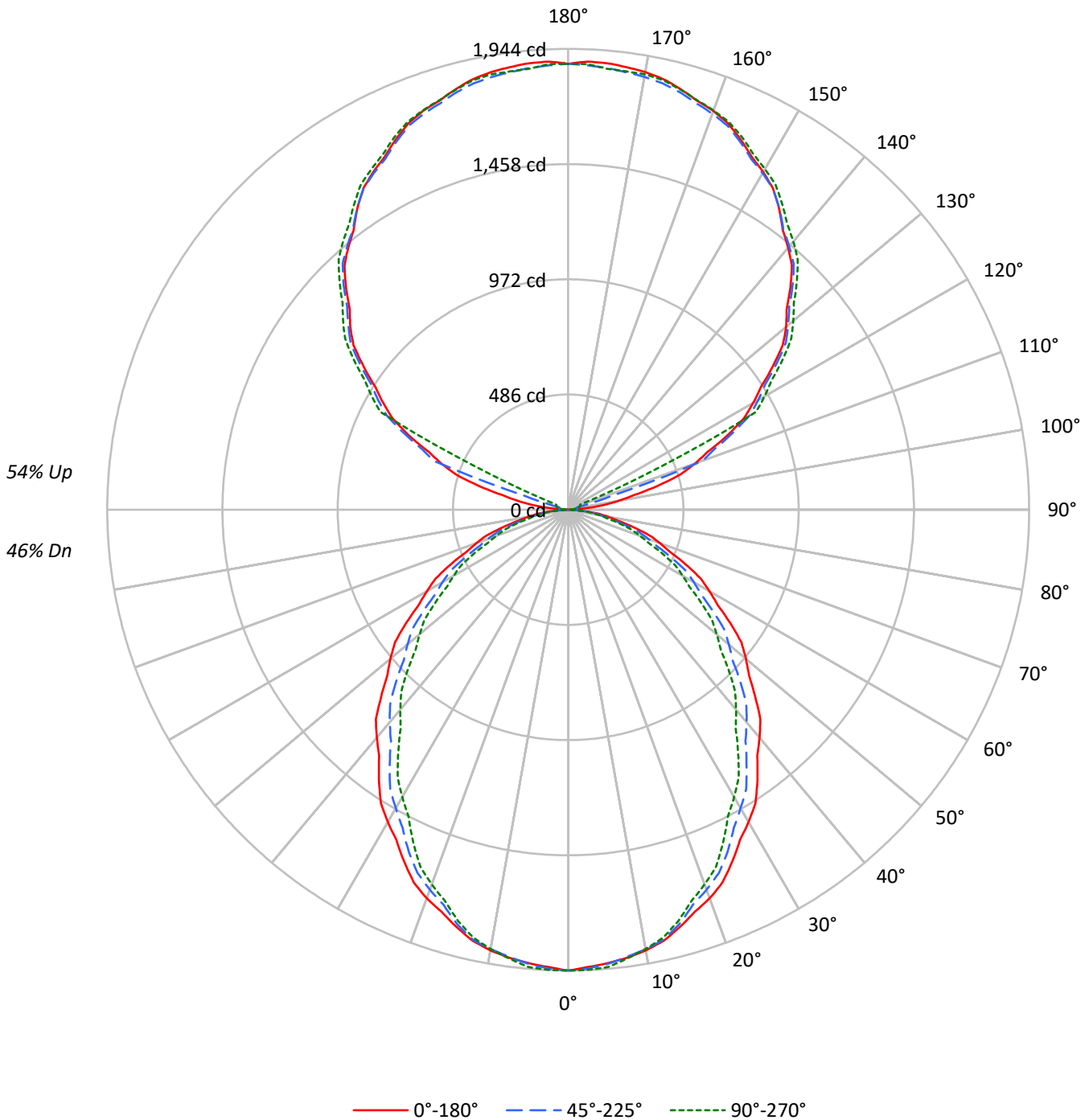
Lumens per Lamp: N/A
Luminaire Lumens: 9897.4 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 74.6
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: P1438664

CATALOG NUMBER: CB2-055U-055D-930-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1438664

CATALOG NUMBER: CB2-055U-055D-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	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	88	81	75	70	81	75	70	65	63	59	56	51	49	46	41	39	38	33
3	81	72	64	59	74	66	60	55	55	51	47	46	42	39	37	34	32	28
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24
5	68	57	49	43	62	52	45	40	44	39	35	37	33	29	30	27	24	21
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19
7	58	46	38	33	53	42	36	31	36	31	27	30	26	23	25	22	19	17
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	14
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16930	16930	16930
5°	16786	16812	16930
10°	16691	16651	16638
15°	16427	16320	16185
20°	16168	15810	15588
25°	15734	15290	14861
30°	15298	14624	14070
35°	14797	13942	13277
40°	14265	13301	12522
45°	13731	12631	11788
50°	13250	11979	11072
55°	12657	11301	10396
60°	11978	10656	9722
65°	11257	9938	9048
70°	10460	9133	8186
75°	9516	8264	7413
80°	8511	7242	6720
85°	6545	5945	4906

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13731 cd/sqm



TEST NUMBER: P1438664

CATALOG NUMBER: CB2-055U-055D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	1.8
10°-20°	509.6	5.1
20°-30°	732.7	7.4
30°-40°	823.6	8.3
40°-50°	795.6	8.0
50°-60°	672.2	6.8
60°-70°	482.8	4.9
70°-80°	263.9	2.7
80°-90°	70.2	0.7
90°-100°	32.8	0.3
100°-110°	208.7	2.1
110°-120°	663.0	6.7
120°-130°	962.1	9.7
130°-140°	1034.7	10.5
140°-150°	974.2	9.8
150°-160°	793.6	8.0
160°-170°	516.5	5.2
170°-180°	178.6	1.8
0°-30°	1425.1	14.4
0°-40°	2248.7	22.7
0°-60°	3716.5	37.5
0°-90°	4533.4	45.8
90°-120°	904.4	9.1
90°-150°	3875.3	39.2
90°-180°	5364.0	54.2
0°-180°	9897.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1944	1944	1944	1944	1944	
5°	1920	1946	1923	1924	1937	182
15°	1822	1838	1810	1792	1795	514
25°	1637	1639	1591	1555	1547	754
35°	1392	1376	1311	1260	1249	869
45°	1115	1092	1026	972	957	861
55°	834	803	744	698	685	745
65°	546	526	482	448	439	542
75°	283	265	246	226	220	302
85°	66	61	60	52	49	78
90°	0	0	0	1	1	5
95°	75	22	23	15	14	95
105°	392	406	41	48	50	413
115°	741	757	764	773	443	729
125°	1053	1072	1072	1090	1104	941
135°	1325	1341	1338	1347	1364	1022
145°	1551	1563	1552	1554	1574	969
155°	1722	1733	1714	1710	1734	794
165°	1836	1842	1823	1815	1834	519
175°	1891	1895	1870	1858	1868	180
180°	1881	1881	1881	1881	1881	

TEST NUMBER: P1438664

CATALOG NUMBER: CB2-055U-055D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1944.0	1944.0	1944.0	1944.0	1944.0
2.5°	1930.9	1954.2	1936.9	1939.3	1942.8
5°	1920.2	1946.4	1923.2	1923.5	1936.6
7.5°	1906.5	1931.3	1902.1	1896.7	1908.9
10°	1887.5	1912.2	1883.0	1872.8	1881.5
12.5°	1862.5	1886.0	1858.0	1841.8	1849.4
15°	1822.0	1838.0	1810.1	1792.3	1795.2
17.5°	1777.9	1787.8	1747.5	1732.6	1729.7
20°	1744.6	1753.3	1705.9	1685.0	1682.0
22.5°	1701.7	1709.3	1659.4	1633.7	1629.6
25°	1637.4	1638.8	1591.2	1555.3	1546.6
27.5°	1570.1	1565.5	1512.7	1470.1	1458.8
30°	1521.3	1515.5	1454.3	1409.4	1399.2
32.5°	1468.9	1458.4	1397.1	1348.7	1338.5
35°	1391.8	1375.8	1311.4	1260.5	1248.9
37.5°	1309.6	1291.6	1228.3	1173.0	1159.9
40°	1254.8	1234.5	1170.0	1114.6	1101.5
42.5°	1200.1	1177.4	1111.6	1056.2	1042.0
45°	1114.9	1091.6	1025.6	971.7	957.1
47.5°	1033.9	1004.2	940.2	886.5	872.0
50°	978.0	945.9	884.2	831.8	817.2
52.5°	920.8	887.6	828.2	778.2	763.6
55°	833.6	803.0	744.3	697.8	684.7
57.5°	747.2	717.8	664.2	619.8	607.0
60°	687.7	663.0	611.8	569.8	558.2
62.5°	630.5	608.1	559.4	521.0	509.4
65°	546.3	525.9	482.3	447.9	439.1
67.5°	464.4	444.0	408.8	377.9	368.0
70°	410.8	390.5	358.7	330.3	321.5
72.5°	359.6	338.1	312.3	286.2	279.8
75°	282.8	265.4	245.6	226.1	220.3
77.5°	214.9	198.1	183.7	170.0	168.5
80°	169.7	155.1	144.4	135.4	134.0
82.5°	126.8	115.8	108.7	102.1	101.8
85°	65.5	61.1	59.5	52.0	49.1
87.5°	19.1	19.1	16.7	14.6	14.6
90°	0.0	0.0	0.0	1.4	1.4
92.5°	20.7	7.9	5.4	7.9	7.9
95°	74.8	21.6	23.1	14.9	13.6
97.5°	155.3	34.8	33.5	36.8	38.1
100°	216.3	71.3	36.7	42.2	43.5
102.5°	283.7	268.6	37.8	45.5	47.9
105°	391.8	406.4	40.8	47.7	50.3
107.5°	497.9	512.5	189.9	49.3	52.0
110°	568.6	583.2	601.2	50.4	53.0



TEST NUMBER: P1438664

CATALOG NUMBER: CB2-055U-055D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	635.0	652.8	666.5	112.2	55.2
115°	741.3	757.3	764.5	773.3	443.4
117.5°	835.2	854.9	862.9	878.2	893.1
120°	900.5	919.1	925.0	940.3	956.3
122.5°	964.7	981.2	984.8	1002.3	1017.2
125°	1052.8	1071.5	1071.9	1089.9	1104.5
127.5°	1141.0	1156.9	1156.2	1169.6	1185.9
130°	1199.7	1210.4	1210.6	1221.9	1239.2
132.5°	1248.7	1263.6	1263.9	1273.0	1290.3
135°	1324.9	1340.8	1338.5	1347.0	1364.3
137.5°	1396.4	1411.9	1407.6	1414.8	1432.6
140°	1443.2	1456.5	1450.0	1457.3	1477.2
142.5°	1486.8	1500.1	1490.3	1496.5	1517.5
145°	1550.7	1562.7	1552.0	1553.9	1573.8
147.5°	1607.5	1619.2	1606.5	1608.2	1626.9
150°	1644.5	1655.2	1639.1	1640.9	1659.5
152.5°	1677.2	1686.8	1669.6	1669.3	1691.1
155°	1722.1	1732.7	1713.9	1710.4	1734.3
157.5°	1762.9	1772.7	1753.9	1751.3	1770.0
160°	1790.1	1796.7	1777.8	1774.2	1792.8
162.5°	1808.6	1816.3	1797.4	1791.6	1810.2
165°	1836.3	1841.7	1822.7	1815.0	1833.6
167.5°	1860.3	1866.4	1842.1	1835.2	1855.1
170°	1874.4	1878.4	1854.0	1845.0	1864.9
172.5°	1883.1	1886.1	1861.6	1851.3	1864.9
175°	1890.7	1894.7	1870.3	1858.3	1867.6
177.5°	1892.1	1894.2	1875.8	1865.3	1881.2
180°	1881.2	1881.2	1881.2	1881.2	1881.2



TEST NUMBER: P1438664

CATALOG NUMBER: CB2-055U-055D-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	16.43	17.24	17.42	18.25	19.58	15.33	16.14	16.32	17.15	18.48
	3H	18.07	18.80	19.07	19.81	21.16	16.85	17.58	17.86	18.60	19.95
	4H	18.70	19.39	19.71	20.40	21.76	17.42	18.11	18.44	19.13	20.49
	6H	19.10	19.73	20.12	20.75	22.12	17.79	18.43	18.82	19.45	20.82
	8H	19.24	19.85	20.28	20.89	22.25	17.93	18.54	18.97	19.57	20.94
	12H	19.31	19.89	20.35	20.92	22.31	17.99	18.57	19.03	19.60	20.99
4H	2H	16.83	17.52	17.86	18.54	19.90	15.96	16.65	16.98	17.66	19.02
	3H	18.70	19.27	19.73	20.32	21.69	17.69	18.26	18.72	19.31	20.68
	4H	19.44	19.97	20.48	21.00	22.40	18.36	18.89	19.40	19.92	21.32
	6H	19.96	20.41	21.01	21.47	22.86	18.83	19.28	19.88	20.35	21.74
	8H	20.16	20.58	21.21	21.64	23.04	19.02	19.44	20.07	20.50	21.90
	12H	20.27	20.65	21.33	21.71	23.13	19.11	19.49	20.18	20.56	21.97
8H	4H	19.59	20.02	20.64	21.07	22.48	18.63	19.05	19.68	20.11	21.51
	6H	20.23	20.58	21.31	21.68	23.08	19.23	19.58	20.31	20.68	22.08
	8H	20.52	20.83	21.60	21.91	23.33	19.51	19.81	20.59	20.89	22.32
	12H	20.70	20.97	21.78	22.04	23.50	19.65	19.92	20.74	21.00	22.46
12H	4H	19.57	19.95	20.64	21.02	22.43	18.63	19.01	19.70	20.08	21.49
	6H	20.26	20.57	21.34	21.65	23.07	19.29	19.60	20.38	20.68	22.10
	8H	20.58	20.85	21.66	21.92	23.38	19.60	19.87	20.68	20.94	22.41