

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: P1439020

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439020
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-055U-055D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

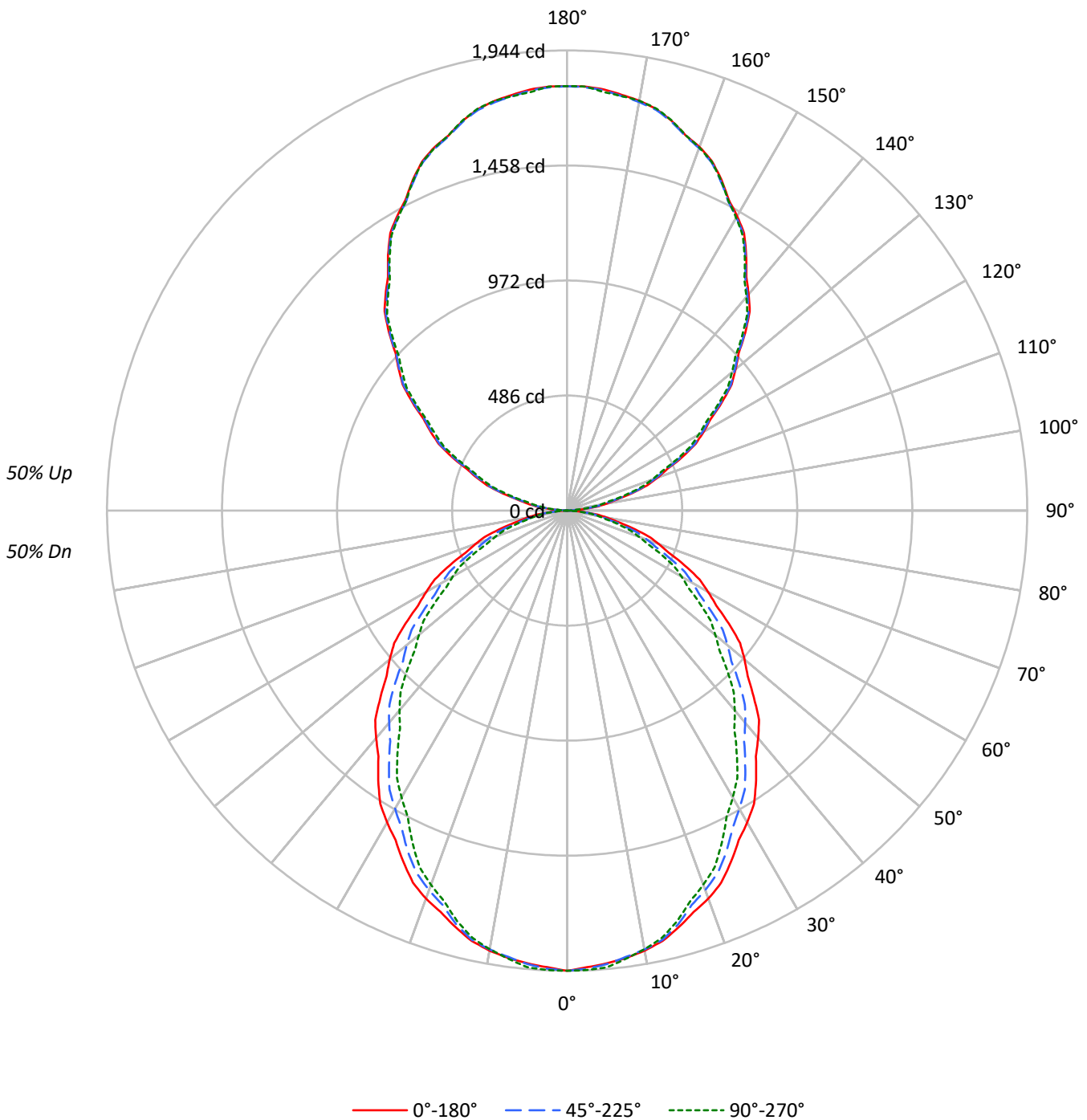
Lumens per Lamp: N/A
Luminaire Lumens: 9106.0 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 74.6
Input Voltage (V): 120
Input Current (Ain): 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: P1439020

CATALOG NUMBER: CB2-D-055U-055D-930-1D-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	0	
RCR																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	98	94	90	86	90	87	83	80	73	71	69	61	59	58	50	49	48	42				
2	89	82	76	71	82	76	71	66	64	60	57	54	51	49	44	42	40	36				
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	30				
4	75	64	56	50	69	59	53	47	51	45	41	43	39	36	35	32	30	26				
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	32	29	26	23				
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	20				
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18				
8	54	42	35	29	50	39	32	28	34	29	25	29	25	22	24	21	19	16				
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15				
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13				

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: P1439020

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	2.0
10°-20°	509.6	5.6
20°-30°	732.7	8.0
30°-40°	823.6	9.0
40°-50°	795.6	8.7
50°-60°	672.2	7.4
60°-70°	482.8	5.3
70°-80°	263.9	2.9
80°-90°	70.2	0.8
90°-100°	69.3	0.8
100°-110°	285.7	3.1
110°-120°	518.6	5.7
120°-130°	705.7	7.7
130°-140°	814.6	8.9
140°-150°	820.9	9.0
150°-160°	708.4	7.8
160°-170°	480.1	5.3
170°-180°	169.4	1.9
0°-30°	1425.1	15.7
0°-40°	2248.7	24.7
0°-60°	3716.5	40.8
0°-90°	4533.4	49.8
90°-120°	873.5	9.6
90°-150°	3214.7	35.3
90°-180°	4573.0	50.2
0°-180°	9106.0	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	1	0	1	5
95°	67	59	56	43	43	78
105°	282	278	271	256	253	300
115°	537	536	526	510	509	530
125°	799	807	790	773	775	713
135°	1064	1077	1059	1039	1046	820
145°	1319	1334	1313	1298	1308	824
155°	1543	1558	1536	1526	1538	709
165°	1705	1723	1701	1691	1706	480
175°	1786	1805	1782	1771	1775	169
180°	1793	1793	1793	1793	1793	



TEST NUMBER: P1439020

CATALOG NUMBER: CB2-D-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	17.0	14.3	14.6
90°	0.0	0.0	1.4	0.0	1.4
92.5°	16.8	14.6	13.7	9.0	10.3
95°	67.1	58.9	55.9	43.4	43.4
97.5°	126.7	118.5	114.1	101.2	98.5
100°	169.2	161.0	156.6	142.6	139.9
102.5°	212.9	209.0	201.4	186.2	183.5
105°	282.5	278.4	271.3	255.9	253.1
107.5°	354.1	354.9	344.3	331.7	327.8
110°	405.6	404.2	395.8	383.1	380.4



TEST NUMBER: P1439020

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	458.2	455.7	447.3	434.6	431.9
115°	537.1	535.7	525.9	510.5	509.1
117.5°	612.0	616.4	604.7	588.5	588.0
120°	665.7	671.2	657.3	643.3	640.6
122.5°	718.3	724.9	711.0	694.8	695.4
125°	798.6	806.8	790.2	773.4	774.8
127.5°	876.1	886.2	870.8	853.7	855.4
130°	928.7	941.0	924.5	906.3	909.1
132.5°	982.4	994.7	978.2	959.0	963.9
135°	1064.3	1076.6	1058.7	1039.3	1046.1
137.5°	1141.5	1153.8	1134.3	1117.9	1126.1
140°	1193.0	1205.3	1184.6	1169.4	1177.6
142.5°	1243.3	1257.8	1236.1	1219.8	1230.2
145°	1318.9	1333.9	1313.3	1298.1	1307.7
147.5°	1390.5	1405.5	1384.6	1370.0	1379.8
150°	1436.3	1451.4	1429.4	1417.0	1428.0
152.5°	1478.9	1496.1	1473.0	1460.7	1474.9
155°	1542.6	1557.7	1535.6	1526.1	1538.4
157.5°	1598.0	1615.5	1593.5	1585.4	1595.2
160°	1634.9	1651.4	1629.3	1621.2	1632.1
162.5°	1662.9	1680.4	1659.6	1650.3	1663.5
165°	1704.9	1722.6	1700.7	1691.2	1706.3
167.5°	1737.9	1756.8	1734.5	1724.8	1740.1
170°	1758.0	1775.8	1752.4	1741.6	1758.0
172.5°	1771.4	1790.3	1765.9	1754.9	1765.9
175°	1786.0	1805.1	1781.8	1770.7	1774.8
177.5°	1793.0	1808.3	1789.6	1779.9	1793.0
180°	1793.0	1793.0	1793.0	1793.0	1793.0



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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	16.81	17.66	17.77	18.63	19.91	15.71	16.56	16.67	17.53	18.81
	3H	18.45	19.21	19.43	20.20	21.49	17.24	18.00	18.21	18.98	20.28
	4H	19.08	19.80	20.07	20.79	22.09	17.81	18.53	18.80	19.52	20.82
	6H	19.48	20.15	20.48	21.14	22.46	18.18	18.84	19.18	19.84	21.15
	8H	19.63	20.26	20.63	21.27	22.59	18.32	18.95	19.32	19.96	21.28
	12H	19.70	20.30	20.71	21.31	22.65	18.38	18.98	19.39	19.99	21.32
4H	2H	17.22	17.94	18.21	18.92	20.23	16.34	17.06	17.33	18.05	19.36
	3H	19.09	19.68	20.09	20.70	22.02	18.08	18.68	19.08	19.69	21.01
	4H	19.83	20.38	20.84	21.39	22.73	18.75	19.30	19.76	20.31	21.65
	6H	20.35	20.82	21.37	21.85	23.19	19.22	19.70	20.24	20.73	22.07
	8H	20.55	20.99	21.58	22.02	23.38	19.41	19.85	20.44	20.88	22.24
	12H	20.66	21.06	21.70	22.10	23.46	19.50	19.90	20.54	20.94	22.30
8H	4H	19.99	20.43	21.01	21.45	22.81	19.02	19.46	20.04	20.49	21.84
	6H	20.63	20.99	21.67	22.06	23.41	19.63	19.99	20.67	21.06	22.41
	8H	20.92	21.24	21.97	22.29	23.66	19.90	20.22	20.95	21.27	22.65
	12H	21.09	21.37	22.15	22.42	23.84	20.05	20.33	21.11	21.38	22.79
12H	4H	19.97	20.36	21.01	21.40	22.76	19.03	19.42	20.07	20.46	21.82
	6H	20.66	20.98	21.71	22.03	23.40	19.69	20.01	20.74	21.06	22.43
	8H	20.97	21.25	22.03	22.30	23.72	19.99	20.28	21.05	21.32	22.74