

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: P1439540

Luminaire Tested: CB3-D-055U-055D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439540
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-055U-055D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

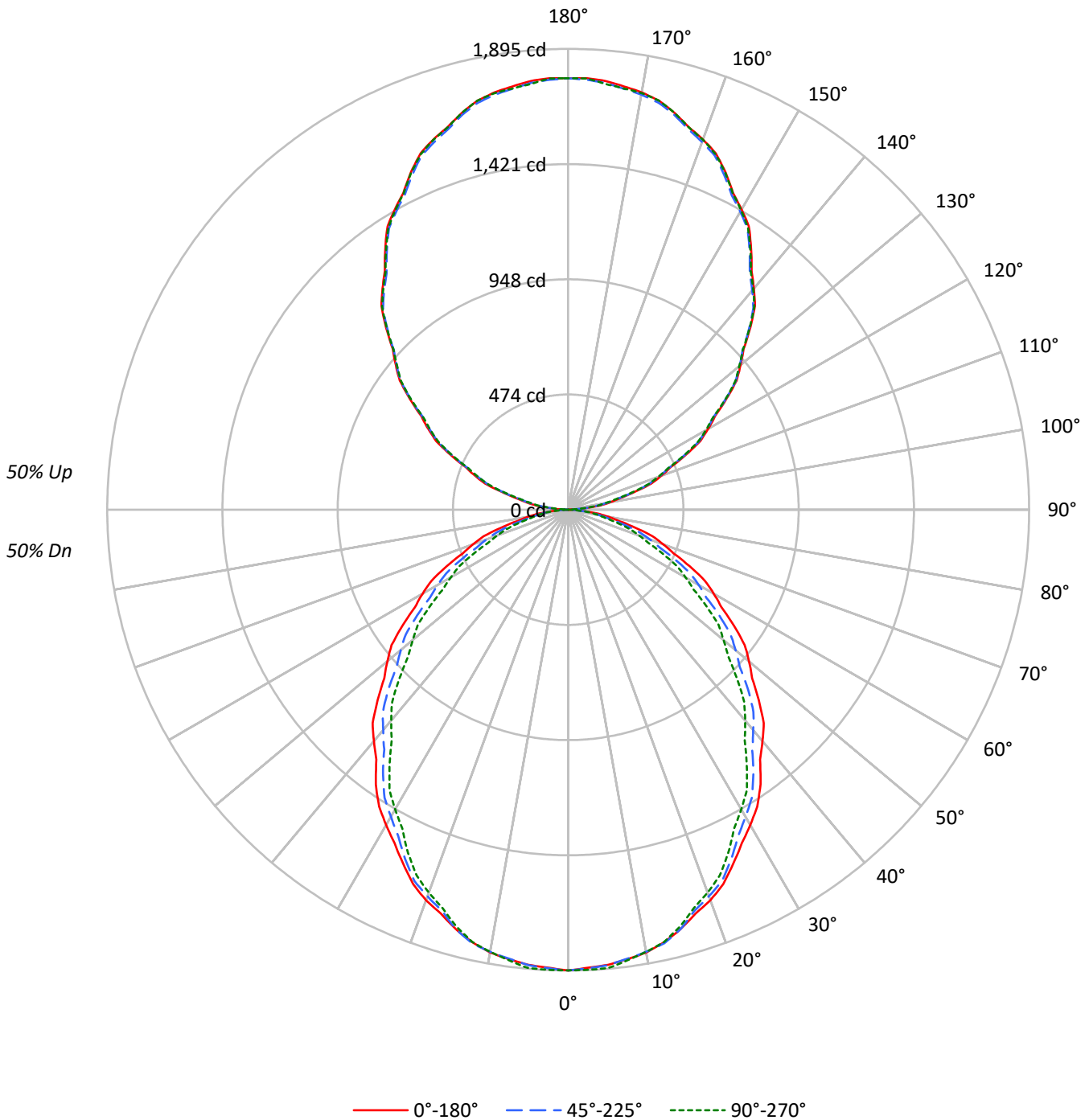
Lumens per Lamp: N/A
Luminaire Lumens: 9105.7 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 69.2
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

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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	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	61	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	37	58	48	41	35	41	35	31	35	30	27	29	26	23	20
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18
8	54	42	34	29	50	39	32	28	34	28	25	29	25	21	24	21	19	16
9	51	38	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	23	20	25	20	18	21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10719	10719	10719
5°	10668	10676	10744
10°	10622	10606	10606
15°	10459	10459	10396
20°	10289	10185	10087
25°	10022	9896	9720
30°	9777	9522	9294
35°	9519	9166	8841
40°	9176	8739	8361
45°	8865	8359	7843
50°	8545	7906	7338
55°	8196	7467	6857
60°	7821	7014	6315
65°	7380	6498	5743
70°	6873	5893	5116
75°	6232	5174	4555
80°	5431	4336	4030
85°	4187	3667	3667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	2.0
10°-20°	502.3	5.5
20°-30°	729.3	8.0
30°-40°	829.0	9.1
40°-50°	804.8	8.8
50°-60°	679.5	7.5
60°-70°	483.4	5.3
70°-80°	258.3	2.8
80°-90°	68.2	0.7
90°-100°	75.0	0.8
100°-110°	293.3	3.2
110°-120°	522.7	5.7
120°-130°	707.4	7.8
130°-140°	813.3	8.9
140°-150°	816.1	9.0
150°-160°	701.8	7.7
160°-170°	475.1	5.2
170°-180°	167.6	1.8
0°-30°	1410.3	15.5
0°-40°	2239.4	24.6
0°-60°	3723.6	40.9
0°-90°	4533.6	49.8
90°-120°	891.0	9.8
90°-150°	3227.7	35.4
90°-180°	4572.0	50.2
0°-180°	9105.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1895	1895	1895	1895	1895	
5°	1879	1902	1880	1878	1892	178
15°	1786	1802	1786	1775	1775	503
25°	1606	1611	1585	1564	1557	740
35°	1378	1365	1327	1288	1280	859
45°	1108	1091	1045	995	980	855
55°	831	809	757	708	695	743
65°	551	532	485	442	429	546
75°	285	269	237	212	208	304
85°	64	59	56	56	56	76
90°	0	0	0	0	0	5
95°	72	65	58	54	56	82
105°	284	283	273	269	267	303
115°	533	536	524	522	521	529
125°	794	804	788	785	786	710
135°	1058	1069	1052	1044	1054	816
145°	1311	1322	1300	1294	1306	819
155°	1530	1544	1518	1512	1528	704
165°	1689	1704	1681	1672	1689	476
175°	1770	1786	1762	1751	1757	168
180°	1774	1774	1774	1774	1774	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1894.7	1894.7	1894.7	1894.7	1894.7
2.5°	1885.0	1904.0	1887.2	1889.4	1893.6
5°	1878.6	1902.2	1879.9	1877.6	1892.0
7.5°	1864.0	1885.6	1862.4	1857.1	1868.9
10°	1849.0	1872.7	1846.3	1839.7	1846.3
12.5°	1822.1	1846.8	1825.9	1815.0	1820.5
15°	1785.8	1801.6	1785.8	1775.0	1775.0
17.5°	1741.4	1758.0	1728.2	1720.6	1717.5
20°	1709.1	1723.6	1691.7	1680.8	1675.5
22.5°	1666.1	1679.5	1652.9	1633.4	1628.2
25°	1605.6	1610.8	1585.4	1563.7	1557.2
27.5°	1546.1	1547.5	1512.5	1486.2	1477.6
30°	1496.7	1498.0	1457.7	1429.3	1422.7
32.5°	1447.2	1443.2	1404.9	1371.2	1366.8
35°	1378.3	1365.2	1327.2	1288.0	1280.2
37.5°	1295.2	1287.3	1242.5	1203.2	1191.4
40°	1242.5	1229.4	1183.3	1144.1	1132.2
42.5°	1189.8	1174.5	1127.4	1083.8	1070.9
45°	1108.0	1090.9	1044.8	994.8	980.3
47.5°	1025.7	1007.1	956.4	907.8	891.8
50°	970.9	951.2	898.3	850.8	833.7
52.5°	914.9	894.2	841.2	792.8	778.9
55°	831.0	808.7	757.1	708.4	695.2
57.5°	747.1	725.0	673.7	627.6	611.8
60°	691.2	670.1	619.9	573.8	558.1
62.5°	634.2	614.2	565.0	520.1	505.3
65°	551.3	531.6	485.4	442.1	429.0
67.5°	469.3	452.5	406.9	367.1	356.6
70°	415.5	399.7	356.3	319.8	309.3
72.5°	363.9	347.0	305.8	274.7	267.3
75°	285.1	269.3	236.7	212.4	208.4
77.5°	213.0	200.1	171.9	158.1	156.0
80°	166.7	154.9	133.1	123.7	123.7
82.5°	123.7	114.0	99.8	95.7	95.7
85°	64.5	59.3	56.5	56.5	56.5
87.5°	19.4	19.4	18.3	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	19.6	17.5	10.9	8.7	8.7
95°	72.1	65.4	58.5	54.4	55.8
97.5°	133.0	126.6	118.1	114.0	115.1
100°	175.5	170.2	160.5	156.4	156.4
102.5°	216.8	213.6	204.0	200.0	201.0
105°	284.3	283.0	273.4	269.3	266.6
107.5°	358.8	356.4	345.8	345.4	343.1
110°	406.7	405.4	395.8	394.4	393.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	455.7	457.5	447.0	445.6	444.3
115°	533.2	535.9	523.7	522.3	521.0
117.5°	612.7	616.4	603.4	602.0	599.6
120°	663.8	671.8	655.6	654.2	652.9
122.5°	716.0	723.0	707.9	705.4	705.2
125°	794.4	803.7	787.6	784.9	786.2
127.5°	872.7	882.3	867.3	861.9	864.8
130°	925.0	935.6	919.5	914.2	918.2
132.5°	978.3	988.9	972.8	967.5	973.7
135°	1058.3	1068.9	1051.5	1043.6	1054.2
137.5°	1136.4	1145.7	1126.6	1121.1	1132.3
140°	1187.5	1196.8	1176.6	1170.1	1183.4
142.5°	1237.6	1247.9	1225.6	1219.1	1233.5
145°	1311.3	1321.9	1300.4	1293.9	1305.8
147.5°	1382.0	1392.9	1371.1	1363.5	1375.8
150°	1425.5	1437.5	1414.7	1408.2	1421.5
152.5°	1468.0	1481.0	1457.1	1449.6	1466.1
155°	1530.3	1543.6	1518.0	1511.6	1527.6
157.5°	1586.3	1598.6	1575.4	1569.0	1582.8
160°	1620.1	1633.4	1609.2	1602.7	1618.7
162.5°	1649.4	1662.7	1640.7	1632.1	1648.1
165°	1689.4	1704.1	1681.3	1672.1	1689.4
167.5°	1722.9	1738.6	1714.5	1706.1	1723.4
170°	1742.5	1757.1	1733.0	1722.5	1739.8
172.5°	1755.5	1770.2	1746.0	1735.4	1747.4
175°	1769.7	1785.6	1761.5	1750.8	1757.4
177.5°	1775.9	1788.7	1769.4	1760.0	1774.9
180°	1773.8	1773.8	1773.8	1773.8	1773.8

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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	15.37	16.22	16.33	17.19	18.47	14.29	15.14	15.25	16.11	17.39
	3H	17.03	17.79	18.01	18.78	20.07	15.70	16.46	16.67	17.45	18.74
	4H	17.66	18.38	18.65	19.37	20.68	16.22	16.94	17.20	17.93	19.23
	6H	18.05	18.71	19.04	19.70	21.02	16.54	17.20	17.53	18.19	19.51
	8H	18.18	18.81	19.19	19.82	21.14	16.66	17.29	17.66	18.30	19.61
	12H	18.25	18.85	19.26	19.85	21.19	16.73	17.33	17.74	18.34	19.68
4H	2H	15.77	16.49	16.77	17.48	18.79	14.91	15.63	15.91	16.62	17.93
	3H	17.66	18.26	18.66	19.28	20.60	16.53	17.13	17.53	18.15	19.47
	4H	18.41	18.96	19.42	19.97	21.31	17.14	17.69	18.15	18.70	20.04
	6H	18.91	19.38	19.93	20.42	21.76	17.55	18.02	18.57	19.05	20.40
	8H	19.10	19.54	20.12	20.57	21.92	17.72	18.16	18.74	19.19	20.54
	12H	19.20	19.60	20.24	20.64	22.00	17.83	18.22	18.87	19.26	20.62
8H	4H	18.54	18.98	19.56	20.00	21.36	17.40	17.84	18.42	18.87	20.22
	6H	19.16	19.52	20.20	20.59	21.94	17.93	18.29	18.97	19.36	20.71
	8H	19.43	19.75	20.49	20.81	22.18	18.18	18.50	19.23	19.55	20.92
	12H	19.60	19.88	20.65	20.93	22.34	18.36	18.64	19.41	19.68	21.10
12H	4H	18.51	18.91	19.55	19.95	21.31	17.40	17.80	18.44	18.84	20.20
	6H	19.17	19.49	20.23	20.55	21.92	17.98	18.31	19.04	19.36	20.73
	8H	19.47	19.75	20.53	20.80	22.22	18.27	18.55	19.32	19.60	21.01