

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: P1439186

Luminaire Tested: CB3-055U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439186
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-055D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

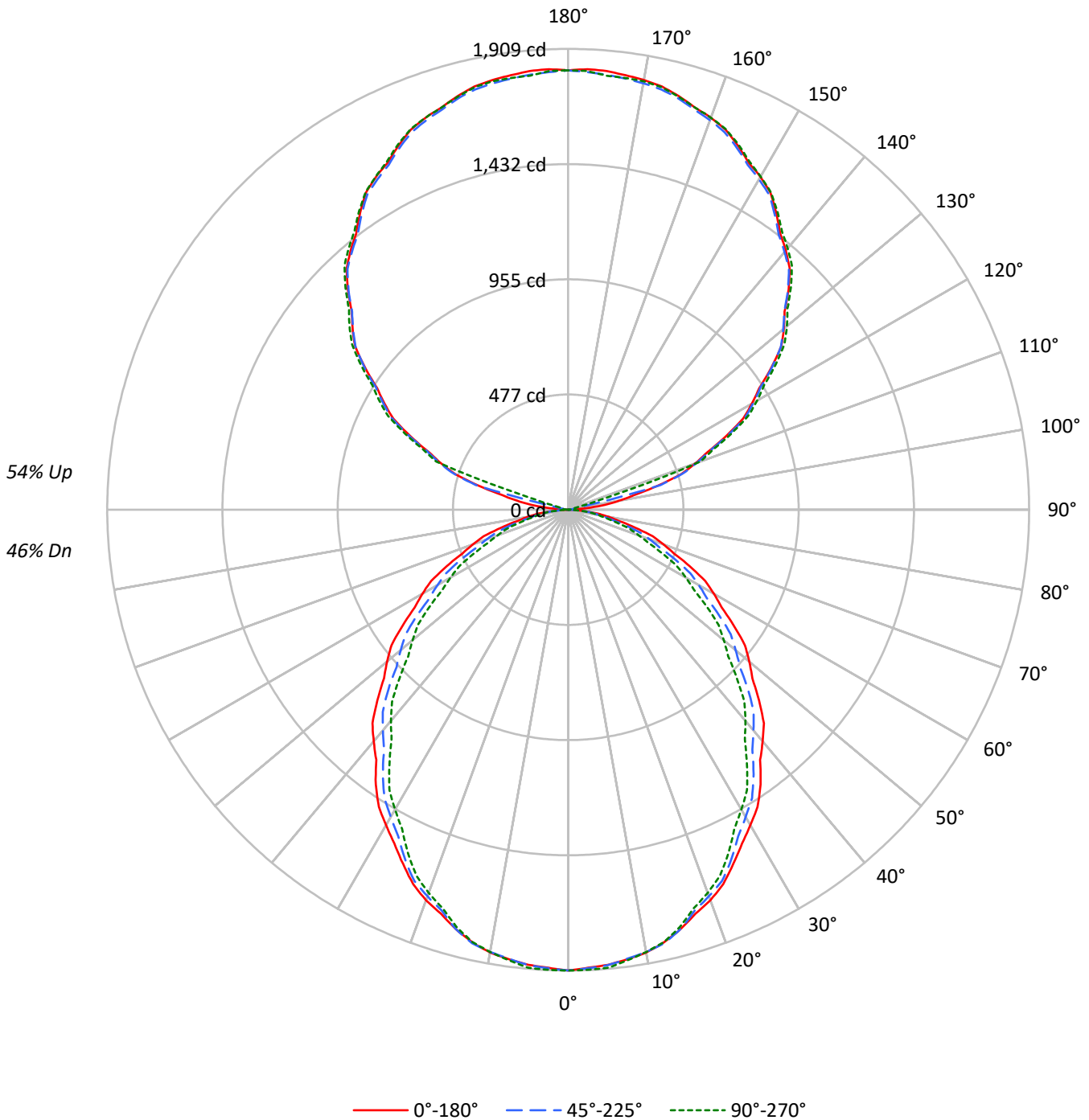
Lumens per Lamp: N/A
Luminaire Lumens: 9941.2 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

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	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	47	46	45	39				
2	88	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33				
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	28				
4	74	63	56	50	68	59	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	30	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	32	53	42	35	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	13				
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°	10799	10799	10799
5°	10748	10756	10818
10°	10701	10685	10685
15°	10537	10537	10474
20°	10366	10260	10170
25°	10105	9977	9800
30°	9857	9601	9370
35°	9598	9241	8914
40°	9251	8811	8431
45°	8938	8428	7908
50°	8615	7971	7398
55°	8264	7529	6913
60°	7885	7072	6366
65°	7441	6551	5790
70°	6929	5943	5157
75°	6282	5215	4592
80°	5477	4372	4063
85°	4226	3693	3693

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	1.8
10°-20°	506.0	5.1
20°-30°	735.2	7.4
30°-40°	835.8	8.4
40°-50°	811.4	8.2
50°-60°	685.1	6.9
60°-70°	487.4	4.9
70°-80°	260.4	2.6
80°-90°	68.8	0.7
90°-100°	42.0	0.4
100°-110°	304.3	3.1
110°-120°	723.6	7.3
120°-130°	924.5	9.3
130°-140°	997.2	10.0
140°-150°	940.1	9.5
150°-160°	766.9	7.7
160°-170°	499.7	5.0
170°-180°	172.7	1.7
0°-30°	1421.3	14.3
0°-40°	2257.1	22.7
0°-60°	3753.6	37.8
0°-90°	4570.3	46.0
90°-120°	1070.0	10.8
90°-150°	3931.6	39.5
90°-180°	5371.0	54.0
0°-180°	9941.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1893	1916	1894	1892	1905	180
15°	1799	1815	1799	1788	1788	507
25°	1619	1624	1598	1577	1570	746
35°	1390	1376	1338	1299	1291	866
45°	1117	1100	1053	1003	988	862
55°	838	815	763	714	701	749
65°	556	536	489	446	432	551
75°	287	272	239	214	210	306
85°	65	60	57	57	57	77
90°	0	0	0	1	0	6
95°	77	14	18	19	19	95
105°	385	391	396	29	30	406
115°	723	728	730	741	745	713
125°	1027	1034	1031	1042	1049	917
135°	1290	1297	1286	1296	1304	994
145°	1502	1511	1492	1502	1510	940
155°	1664	1677	1654	1658	1669	767
165°	1773	1783	1764	1758	1770	501
175°	1824	1833	1809	1800	1805	173
180°	1820	1820	1820	1820	1820	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1908.9	1908.9	1908.9	1908.9	1908.9
2.5°	1899.2	1918.2	1901.3	1903.6	1907.8
5°	1892.6	1916.5	1894.0	1891.6	1904.9
7.5°	1878.0	1899.7	1876.4	1871.0	1882.9
10°	1862.8	1886.7	1860.1	1853.5	1860.1
12.5°	1835.7	1860.6	1839.5	1828.5	1834.1
15°	1799.1	1815.0	1799.1	1788.3	1788.3
17.5°	1754.4	1771.1	1741.1	1733.4	1730.5
20°	1721.8	1736.4	1704.2	1693.3	1689.3
22.5°	1678.4	1692.0	1665.2	1646.6	1641.6
25°	1618.8	1624.1	1598.4	1576.6	1570.0
27.5°	1558.9	1560.2	1525.0	1498.5	1489.7
30°	1509.0	1510.3	1469.7	1441.0	1434.4
32.5°	1459.1	1455.1	1416.5	1382.5	1378.0
35°	1389.7	1376.4	1338.1	1298.6	1290.7
37.5°	1305.9	1297.9	1252.7	1213.1	1201.2
40°	1252.7	1239.5	1193.1	1153.5	1141.6
42.5°	1199.6	1184.2	1136.7	1092.7	1079.7
45°	1117.2	1099.9	1053.4	1002.9	988.4
47.5°	1034.2	1015.4	964.2	915.3	899.1
50°	978.9	959.0	905.7	857.8	840.6
52.5°	922.5	901.5	848.2	799.3	785.3
55°	837.9	815.3	763.3	714.2	700.9
57.5°	753.3	731.0	679.2	632.8	616.9
60°	696.9	675.7	625.0	578.6	562.6
62.5°	639.4	619.2	569.7	524.3	509.5
65°	555.9	536.0	489.4	445.7	432.5
67.5°	473.2	456.2	410.3	370.2	359.5
70°	418.9	403.0	359.3	322.4	311.8
72.5°	366.9	349.9	308.3	276.9	269.5
75°	287.4	271.5	238.6	214.1	210.1
77.5°	214.8	201.8	173.3	159.4	157.3
80°	168.1	156.2	134.2	124.7	124.7
82.5°	124.7	114.9	100.6	96.5	96.5
85°	65.1	59.8	56.9	56.9	56.9
87.5°	19.5	19.5	18.4	17.6	17.4
90°	0.0	0.0	0.0	1.3	0.0
92.5°	20.8	8.0	6.6	7.9	7.7
95°	76.8	13.8	17.8	19.2	19.2
97.5°	154.7	151.7	20.8	25.0	25.2
100°	213.9	220.6	21.9	26.1	27.4
102.5°	279.8	285.4	40.6	27.2	28.5
105°	385.4	390.7	396.3	28.8	30.2
107.5°	490.4	494.4	498.1	448.4	167.9
110°	559.5	563.6	565.0	578.8	581.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	624.3	629.4	632.0	643.6	648.4
115°	722.7	728.1	729.6	740.7	744.7
117.5°	816.3	821.9	824.5	833.4	839.9
120°	877.7	884.4	885.9	897.0	902.4
122.5°	938.1	945.8	945.2	955.2	962.8
125°	1027.2	1033.9	1031.3	1042.4	1049.2
127.5°	1112.0	1116.0	1110.3	1123.9	1129.5
130°	1165.7	1169.7	1163.0	1175.5	1182.2
132.5°	1215.1	1221.3	1213.4	1224.8	1231.6
135°	1290.5	1297.2	1286.4	1296.2	1304.2
137.5°	1357.7	1365.8	1352.8	1364.2	1371.2
140°	1401.6	1409.7	1393.4	1405.9	1414.0
142.5°	1442.2	1452.4	1432.9	1444.3	1453.5
145°	1501.7	1511.1	1492.1	1501.9	1510.0
147.5°	1558.2	1566.3	1548.1	1555.1	1560.7
150°	1592.2	1600.3	1579.9	1586.9	1593.6
152.5°	1619.7	1630.9	1610.6	1615.5	1625.4
155°	1663.6	1677.0	1654.0	1658.3	1669.0
157.5°	1703.9	1715.9	1692.9	1696.7	1706.1
160°	1728.0	1740.1	1717.0	1718.6	1728.0
162.5°	1746.7	1757.7	1737.9	1735.1	1746.7
165°	1773.3	1782.7	1763.7	1758.5	1770.5
167.5°	1795.5	1806.2	1782.9	1778.5	1792.2
170°	1807.6	1818.3	1793.8	1787.3	1802.1
172.5°	1815.2	1824.9	1801.5	1792.7	1804.3
175°	1824.0	1833.4	1808.9	1799.5	1804.8
177.5°	1826.5	1834.0	1814.4	1805.9	1818.8
180°	1819.9	1819.9	1819.9	1819.9	1819.9



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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	15.03	15.85	16.02	16.85	18.18	13.95	14.77	14.95	15.77	17.10
	3H	16.69	17.43	17.70	18.44	19.79	15.36	16.09	16.37	17.11	18.46
	4H	17.32	18.01	18.34	19.03	20.39	15.88	16.57	16.89	17.59	18.94
	6H	17.71	18.34	18.73	19.36	20.73	16.19	16.83	17.22	17.85	19.22
	8H	17.84	18.45	18.87	19.48	20.85	16.32	16.92	17.35	17.96	19.32
	12H	17.91	18.48	18.94	19.51	20.90	16.39	16.97	17.43	18.00	19.39
4H	2H	15.43	16.13	16.46	17.14	18.50	14.57	15.27	15.60	16.28	17.64
	3H	17.32	17.90	18.35	18.94	20.31	16.19	16.77	17.22	17.81	19.18
	4H	18.07	18.59	19.10	19.63	21.02	16.79	17.32	17.83	18.36	19.75
	6H	18.57	19.02	19.61	20.08	21.47	17.20	17.66	18.25	18.72	20.11
	8H	18.76	19.18	19.81	20.23	21.64	17.37	17.80	18.42	18.85	20.25
	12H	18.85	19.23	19.92	20.30	21.71	17.48	17.86	18.54	18.93	20.33
8H	4H	18.19	18.61	19.24	19.67	21.07	17.05	17.48	18.10	18.53	19.93
	6H	18.81	19.16	19.88	20.25	21.65	17.58	17.93	18.65	19.02	20.42
	8H	19.08	19.39	20.16	20.47	21.89	17.83	18.14	18.91	19.22	20.64
	12H	19.25	19.52	20.33	20.59	22.05	18.00	18.28	19.09	19.35	20.81
12H	4H	18.16	18.55	19.23	19.61	21.02	17.05	17.44	18.12	18.50	19.91
	6H	18.83	19.13	19.91	20.21	21.63	17.64	17.94	18.72	19.02	20.44
	8H	19.12	19.39	20.21	20.47	21.93	17.92	18.19	19.00	19.26	20.72