

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: P1439178

Luminaire Tested: CB3-055U-055D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439178
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-835-1D-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, 80 CRI LEDS
Ballast/Driver: -

Summary

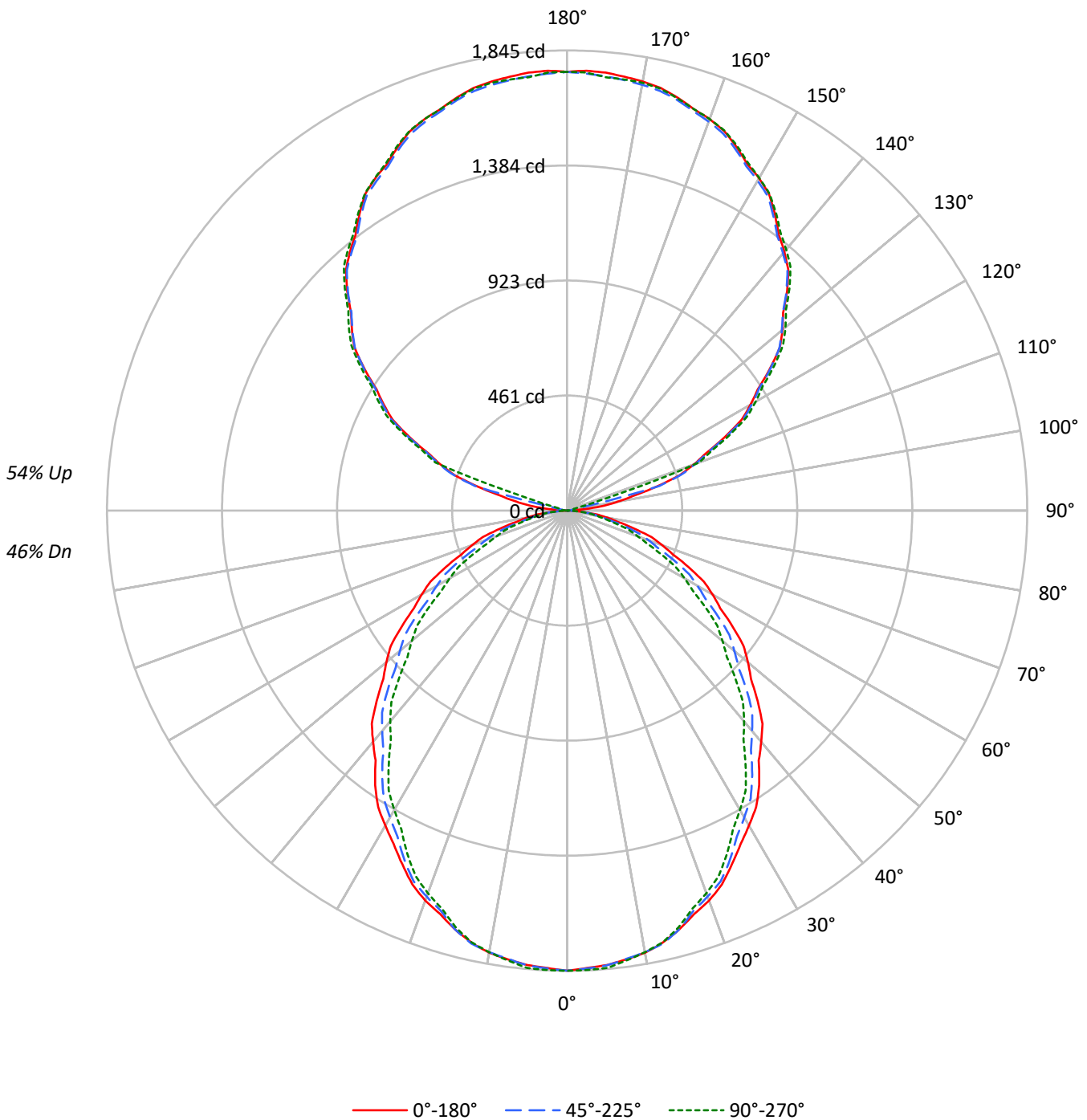
Lumens per Lamp: N/A
Luminaire Lumens: 9607.8 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 69.2
Input Voltage (V): 120
Input Current (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

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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°	10437	10437	10437
5°	10388	10395	10455
10°	10342	10327	10327
15°	10184	10184	10122
20°	10018	9916	9829
25°	9766	9643	9471
30°	9527	9279	9056
35°	9275	8932	8615
40°	8941	8516	8148
45°	8638	8145	7642
50°	8326	7704	7150
55°	7987	7276	6681
60°	7620	6834	6153
65°	7191	6332	5595
70°	6697	5743	4985
75°	6072	5040	4439
80°	5294	4225	3926
85°	4083	3570	3570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8638 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.1	1.8
10°-20°	489.0	5.1
20°-30°	710.5	7.4
30°-40°	807.8	8.4
40°-50°	784.2	8.2
50°-60°	662.1	6.9
60°-70°	471.1	4.9
70°-80°	251.7	2.6
80°-90°	66.5	0.7
90°-100°	40.6	0.4
100°-110°	294.2	3.1
110°-120°	699.3	7.3
120°-130°	893.5	9.3
130°-140°	963.7	10.0
140°-150°	908.5	9.5
150°-160°	741.1	7.7
160°-170°	482.9	5.0
170°-180°	166.9	1.7
0°-30°	1373.6	14.3
0°-40°	2181.4	22.7
0°-60°	3627.7	37.8
0°-90°	4417.0	46.0
90°-120°	1034.1	10.8
90°-150°	3799.8	39.5
90°-180°	5191.0	54.0
0°-180°	9607.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1845	1845	1845	1845	1845	
5°	1829	1852	1830	1828	1841	174
15°	1739	1754	1739	1728	1728	490
25°	1564	1570	1545	1524	1517	721
35°	1343	1330	1293	1255	1247	837
45°	1080	1063	1018	969	955	833
55°	810	788	738	690	677	724
65°	537	518	473	431	418	532
75°	278	262	231	207	203	296
85°	63	58	55	55	55	75
90°	0	0	0	1	0	5
95°	74	13	17	19	19	92
105°	372	378	383	28	29	393
115°	698	704	705	716	720	689
125°	993	999	997	1008	1014	886
135°	1247	1254	1243	1253	1260	960
145°	1451	1460	1442	1452	1459	908
155°	1608	1621	1598	1603	1613	741
165°	1714	1723	1704	1700	1711	484
175°	1763	1772	1748	1739	1744	168
180°	1759	1759	1759	1759	1759	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1844.9	1844.9	1844.9	1844.9	1844.9
2.5°	1835.5	1853.9	1837.6	1839.7	1843.8
5°	1829.2	1852.2	1830.5	1828.1	1841.0
7.5°	1815.0	1836.0	1813.4	1808.2	1819.7
10°	1800.3	1823.4	1797.7	1791.3	1797.7
12.5°	1774.1	1798.2	1777.8	1767.2	1772.6
15°	1738.8	1754.1	1738.8	1728.3	1728.3
17.5°	1695.5	1711.7	1682.7	1675.3	1672.5
20°	1664.1	1678.2	1647.0	1636.5	1632.6
22.5°	1622.1	1635.2	1609.3	1591.4	1586.5
25°	1564.5	1569.6	1544.8	1523.7	1517.3
27.5°	1506.6	1507.9	1473.8	1448.2	1439.7
30°	1458.4	1459.6	1420.4	1392.7	1386.3
32.5°	1410.1	1406.3	1369.0	1336.1	1331.8
35°	1343.0	1330.2	1293.3	1255.1	1247.4
37.5°	1262.1	1254.4	1210.7	1172.4	1160.9
40°	1210.7	1197.9	1153.1	1114.8	1103.3
42.5°	1159.3	1144.5	1098.5	1056.1	1043.5
45°	1079.7	1063.0	1018.1	969.3	955.2
47.5°	999.5	981.3	931.9	884.6	869.0
50°	946.0	926.8	875.3	829.0	812.4
52.5°	891.5	871.3	819.7	772.5	758.9
55°	809.8	788.0	737.7	690.2	677.4
57.5°	728.0	706.5	656.5	611.6	596.2
60°	673.5	653.0	604.0	559.1	543.8
62.5°	617.9	598.5	550.6	506.8	492.4
65°	537.2	518.0	473.0	430.8	418.0
67.5°	457.3	440.9	396.5	357.7	347.5
70°	404.9	389.5	347.2	311.6	301.4
72.5°	354.6	338.2	298.0	267.7	260.5
75°	277.8	262.4	230.6	206.9	203.1
77.5°	207.6	195.0	167.5	154.0	152.0
80°	162.5	150.9	129.7	120.5	120.5
82.5°	120.5	111.1	97.2	93.3	93.3
85°	62.9	57.8	55.0	55.0	55.0
87.5°	18.9	18.9	17.8	17.0	16.8
90°	0.0	0.0	0.0	1.3	0.0
92.5°	20.1	7.7	6.4	7.7	7.4
95°	74.2	13.3	17.2	18.6	18.6
97.5°	149.5	146.7	20.1	24.1	24.4
100°	206.8	213.2	21.2	25.2	26.5
102.5°	270.4	275.8	39.2	26.3	27.6
105°	372.4	377.6	383.1	27.9	29.2
107.5°	474.0	477.9	481.4	433.4	162.2
110°	540.8	544.7	546.1	559.4	562.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	603.3	608.3	610.8	622.0	626.7
115°	698.5	703.7	705.1	715.8	719.7
117.5°	788.9	794.3	796.9	805.5	811.7
120°	848.3	854.8	856.2	867.0	872.1
122.5°	906.6	914.1	913.5	923.2	930.5
125°	992.8	999.2	996.7	1007.5	1014.0
127.5°	1074.7	1078.6	1073.1	1086.2	1091.6
130°	1126.6	1130.5	1124.0	1136.0	1142.5
132.5°	1174.3	1180.3	1172.7	1183.8	1190.2
135°	1247.2	1253.7	1243.3	1252.7	1260.5
137.5°	1312.2	1320.0	1307.4	1318.4	1325.2
140°	1354.6	1362.4	1346.6	1358.8	1366.5
142.5°	1393.8	1403.7	1384.8	1395.9	1404.7
145°	1451.4	1460.4	1442.1	1451.5	1459.3
147.5°	1506.0	1513.7	1496.2	1502.9	1508.4
150°	1538.8	1546.6	1526.9	1533.7	1540.2
152.5°	1565.3	1576.2	1556.6	1561.3	1570.9
155°	1607.8	1620.7	1598.5	1602.7	1613.1
157.5°	1646.7	1658.4	1636.1	1639.8	1648.8
160°	1670.1	1681.7	1659.5	1661.0	1670.1
162.5°	1688.1	1698.7	1679.6	1676.9	1688.1
165°	1713.8	1722.9	1704.5	1699.5	1711.1
167.5°	1735.3	1745.6	1723.1	1718.9	1732.1
170°	1746.9	1757.3	1733.7	1727.4	1741.6
172.5°	1754.4	1763.7	1741.1	1732.6	1743.7
175°	1762.8	1771.9	1748.3	1739.1	1744.3
177.5°	1765.2	1772.5	1753.6	1745.4	1757.8
180°	1758.9	1758.9	1758.9	1758.9	1758.9



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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	14.91	15.73	15.91	16.73	18.06	13.83	14.65	14.83	15.65	16.98
	3H	16.58	17.31	17.58	18.32	19.67	15.24	15.98	16.25	16.99	18.34
	4H	17.20	17.90	18.22	18.91	20.27	15.76	16.45	16.78	17.47	18.82
	6H	17.59	18.22	18.61	19.24	20.61	16.07	16.71	17.10	17.73	19.10
	8H	17.72	18.33	18.76	19.37	20.73	16.20	16.80	17.23	17.84	19.21
	12H	17.79	18.37	18.83	19.40	20.79	16.27	16.85	17.31	17.88	19.27
4H	2H	15.31	16.01	16.34	17.02	18.38	14.46	15.15	15.48	16.16	17.52
	3H	17.20	17.78	18.23	18.82	20.19	16.07	16.65	17.10	17.69	19.06
	4H	17.95	18.48	18.99	19.51	20.90	16.68	17.20	17.71	18.24	19.63
	6H	18.45	18.90	19.50	19.96	21.35	17.09	17.54	18.13	18.60	19.99
	8H	18.64	19.06	19.69	20.11	21.52	17.25	17.68	18.30	18.73	20.13
	12H	18.73	19.12	19.80	20.18	21.59	17.36	17.74	18.43	18.81	20.22
8H	4H	18.07	18.50	19.12	19.55	20.95	16.93	17.36	17.98	18.41	19.81
	6H	18.69	19.04	19.76	20.13	21.54	17.46	17.81	18.53	18.90	20.31
	8H	18.97	19.27	20.05	20.35	21.77	17.71	18.02	18.79	19.10	20.52
	12H	19.13	19.40	20.21	20.47	21.93	17.89	18.16	18.97	19.23	20.69
12H	4H	18.04	18.43	19.11	19.49	20.90	16.93	17.32	18.00	18.38	19.79
	6H	18.71	19.01	19.79	20.09	21.51	17.52	17.82	18.60	18.90	20.32
	8H	19.00	19.27	20.09	20.35	21.81	17.80	18.07	18.88	19.14	20.60