

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1323948

Luminaire Tested: LDSQA3D13R509030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

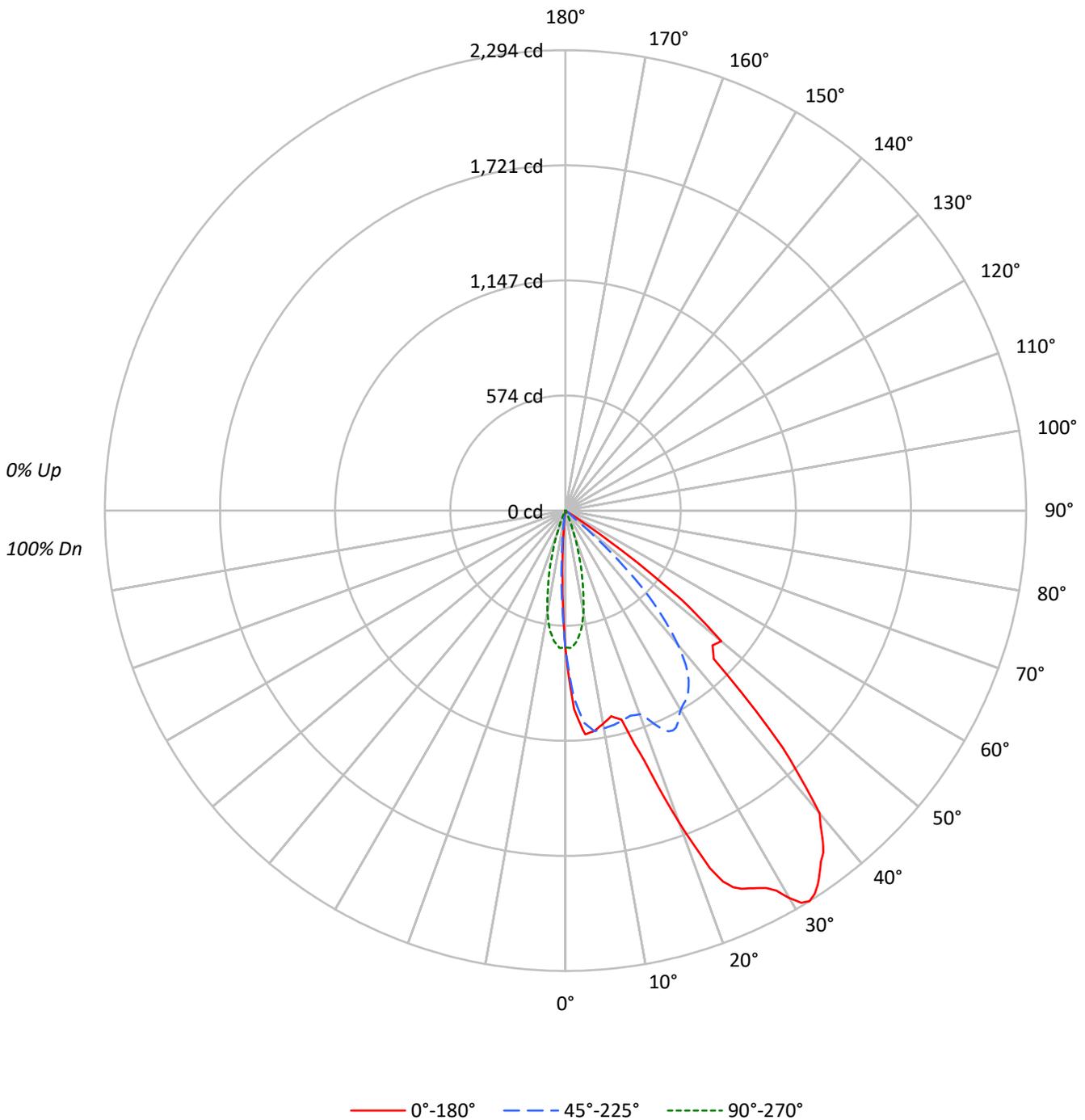
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1098.0 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
Input Voltage (V): NR
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	89	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	82	78	75	74
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	75	71	68	66
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	69	65	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	64	59	55	54
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	55	49	46	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	117404	117404	117404	117404	117404
5°	193453	183582	112839	33522	16752
10°	188538	192682	90413	1696	2256
15°	192223	193364	54149	1729	571
20°	302991	197974	22305	0	0
25°	394989	230654	5321	0	0
30°	443331	228099	219	0	0
35°	463948	224626	0	0	0
40°	442604	195144	0	0	0
45°	254179	128794	0	0	0
50°	271253	14709	0	0	0
55°	77287	0	0	0	0
60°	0	0	379	0	0
65°	0	448	448	0	0
70°	0	554	554	0	0
75°	0	732	732	0	0
80°	0	1091	2182	1091	0
85°	0	2174	4347	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 280678 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	5.2
10°-20°	144.2	13.1
20°-30°	277.1	25.2
30°-40°	322.5	29.4
40°-50°	230.8	21.0
50°-60°	64.2	5.9
60°-70°	0.4	0.0
70°-80°	0.7	0.1
80°-90°	0.8	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	478.6	43.6
0°-40°	801.1	73.0
0°-60°	1096.1	99.8
0°-90°	1098.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1098.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	682	682	682	682	682	
5°	1119	1062	653	194	97	103
15°	1078	1084	304	10	3	348
25°	2079	1214	28	0	0	945
35°	2207	1068	0	0	0	1365
45°	1044	529	0	0	0	981
55°	257	0	0	0	0	324
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	2	1	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7
2.5°	990.8	996.2	997.3	984.4	986.5	968.2	969.3	956.4	925.1	816.4	685.0
5°	1119.0	1115.8	1119.0	1114.7	1119.0	1108.2	1101.8	1096.4	1061.9	907.9	652.7
7.5°	1107.1	1102.8	1109.3	1111.4	1119.0	1115.8	1116.8	1120.1	1108.2	957.4	597.7
10°	1078.1	1077.0	1080.2	1080.2	1088.8	1089.9	1094.2	1100.7	1101.8	974.7	517.0
12.5°	1050.1	1046.8	1046.8	1045.7	1050.1	1049.0	1059.7	1074.8	1095.3	963.9	406.0
15°	1078.1	1074.8	1070.5	1058.7	1050.1	1040.4	1041.4	1051.1	1084.5	935.9	303.7
17.5°	1304.2	1287.0	1265.5	1227.8	1187.9	1119.0	1078.1	1052.2	1071.6	892.8	202.5
20°	1653.2	1645.6	1611.2	1549.8	1485.2	1383.9	1257.9	1156.7	1080.2	839.0	121.7
21°	1785.6	1781.3	1744.7	1687.6	1614.4	1491.6	1362.4	1240.7	1097.4	816.4	95.9
22°	1921.3	1905.2	1876.1	1812.6	1736.1	1613.3	1469.0	1334.4	1131.9	787.3	73.2
23°	2008.6	1998.9	1967.6	1917.0	1843.8	1724.2	1576.7	1430.2	1165.3	755.0	54.9
24°	2053.8	2050.6	2025.8	1990.3	1927.8	1806.1	1666.1	1515.3	1193.3	717.3	39.8
25°	2078.6	2067.8	2052.7	2026.9	1979.5	1873.9	1749.0	1589.6	1213.8	679.6	28.0
26°	2093.6	2087.2	2063.5	2040.9	1995.6	1909.5	1802.9	1634.9	1219.1	633.3	19.4
27°	2110.9	2095.8	2073.2	2046.3	1995.6	1920.3	1823.3	1654.2	1212.7	585.9	12.9
28°	2129.2	2118.4	2087.2	2052.7	1992.4	1920.3	1815.8	1628.4	1193.3	540.6	7.5
29°	2164.7	2150.7	2112.0	2061.3	1993.5	1918.1	1786.7	1574.5	1167.4	490.0	4.3
30°	2229.3	2200.3	2152.9	2081.8	2001.0	1913.8	1738.2	1493.8	1147.0	432.9	1.1
31°	2280.0	2263.8	2208.9	2119.5	2022.6	1901.9	1681.2	1414.1	1133.0	383.4	0.0
32°	2294.0	2282.1	2242.3	2158.3	2059.2	1892.3	1616.5	1336.5	1122.2	328.5	0.0
33°	2277.8	2270.3	2228.3	2151.8	2068.9	1879.3	1542.2	1260.1	1110.4	278.9	0.0
34°	2247.7	2238.0	2201.3	2123.8	2044.1	1823.3	1471.2	1201.9	1093.1	232.6	0.0
35°	2206.7	2199.2	2161.5	2085.0	1998.9	1736.1	1400.1	1163.1	1068.4	186.3	0.0
36°	2162.6	2160.4	2112.0	2036.6	1940.7	1652.1	1313.9	1134.1	1043.6	147.5	0.0
37°	2133.5	2122.7	2070.0	1995.6	1871.8	1554.1	1245.0	1124.4	1009.1	114.2	0.0
38°	2080.7	2082.9	2022.6	1954.7	1801.8	1469.0	1189.0	1116.8	970.4	82.9	0.0
39°	2018.3	2019.3	1956.9	1898.7	1718.9	1379.6	1142.7	1109.3	921.9	52.8	0.0
40°	1968.7	1967.6	1896.6	1834.1	1629.5	1295.6	1117.9	1098.5	868.0	30.2	0.0
42.5°	1600.4	1606.9	1615.5	1641.3	1419.5	1148.1	1094.2	1038.2	715.1	0.0	0.0
45°	1043.6	1068.4	1074.8	1152.4	1151.3	1087.8	1038.2	930.5	528.8	0.0	0.0
47.5°	993.0	1000.5	1014.5	1044.7	1060.8	1029.6	928.4	777.6	288.6	0.0	0.0
50°	1012.4	1011.3	1014.5	1014.5	985.4	904.7	761.4	574.0	54.9	0.0	0.0
52.5°	727.0	753.9	783.0	795.9	758.2	673.1	555.7	337.1	0.0	0.0	0.0
55°	257.4	248.8	242.3	264.9	259.6	291.9	241.2	78.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.1	4.3	9.7	12.9	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	681.7	681.7	681.7	681.7
2.5°	546.0	418.9	339.2	344.6
5°	383.4	193.9	119.5	96.9
7.5°	229.4	59.2	11.8	9.7
10°	107.7	9.7	10.8	12.9
12.5°	32.3	8.6	11.8	10.8
15°	8.6	9.7	5.4	3.2
17.5°	3.2	4.3	0.0	0.0
20°	2.2	0.0	0.0	0.0
21°	2.2	0.0	0.0	0.0
22°	1.1	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.1	0.0	0.0	0.0
67.5°	1.1	0.0	0.0	0.0
70°	1.1	0.0	0.0	0.0
72.5°	1.1	0.0	0.0	0.0
75°	1.1	0.0	0.0	0.0
77.5°	1.1	0.0	0.0	0.0
80°	1.1	1.1	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.1	1.1	0.0	0.0
85°	1.1	1.1	0.0	0.0
87.5°	1.1	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)