

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: P1326649

Luminaire Tested: LDSQA3D09R40W2N902750DE010 3LSQCA30R 1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

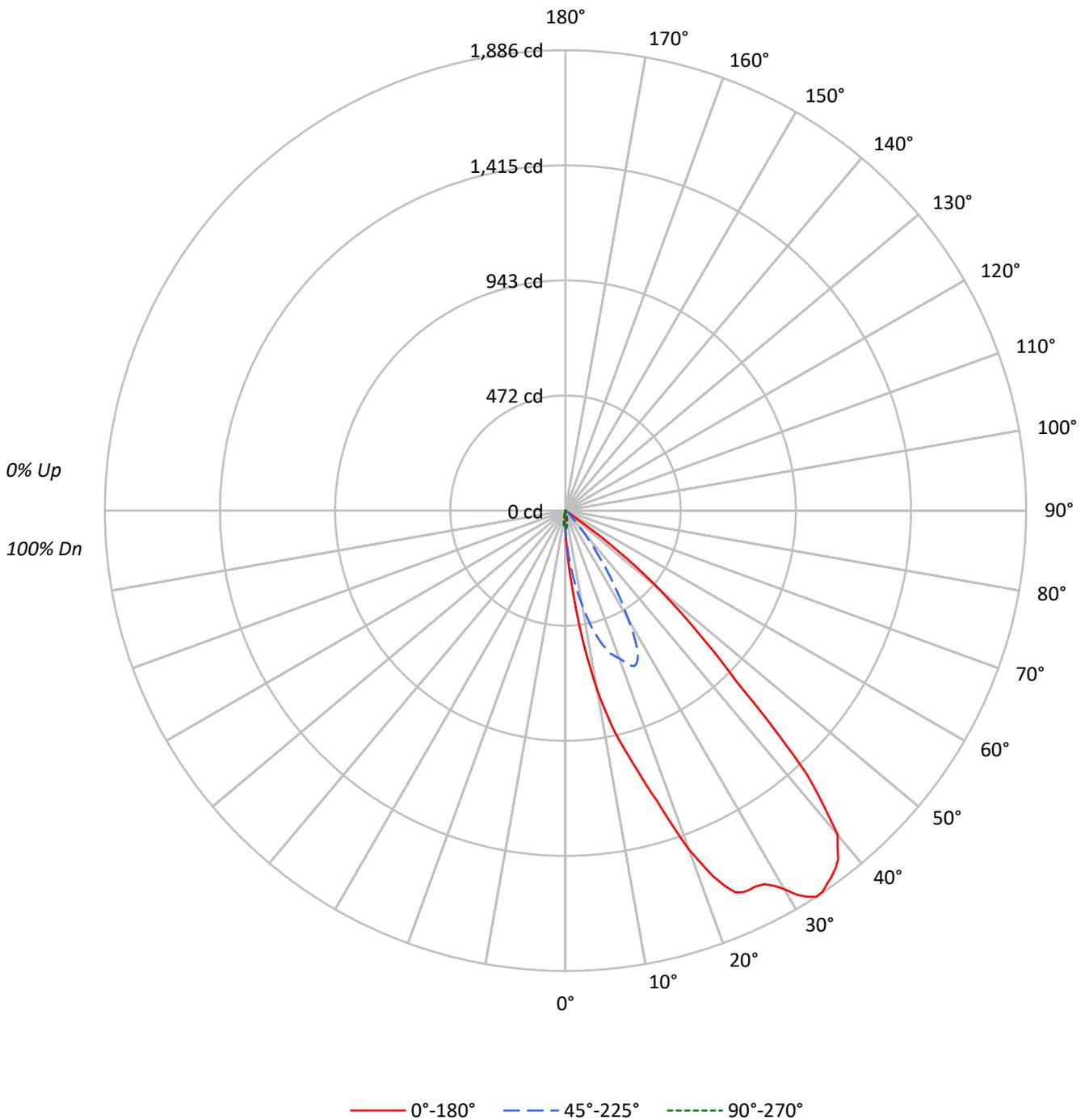
Test Method: LM-79-2019  
Report Number: P1326649  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R40W2N902750DE010 3LSQCA30R 1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 633.0 lumens  
Efficiency: N/A  
Efficacy: 70.3 lumens/watt  
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	83
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	82	79	74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	49
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	55	50	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	51	45	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	12744	12744	12744	12744	12744
5°	54112	36893	11185	2023	1003
10°	130093	68605	6925	210	0
15°	191456	99686	2906	0	0
20°	270625	118176	1063	0	0
25°	327796	131156	0	0	0
30°	355910	102595	0	0	0
35°	392443	60046	0	0	0
40°	389502	24371	0	0	0
45°	241221	7088	0	0	0
50°	134314	161	0	0	0
55°	13121	0	0	0	0
60°	0	0	207	0	0
65°	0	0	245	0	0
70°	0	302	604	0	0
75°	0	399	799	0	0
80°	0	595	1190	0	0
85°	0	1186	2371	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 242366 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.9	2.2
10°-20°	81.6	12.9
20°-30°	186.2	29.4
30°-40°	219.9	34.7
40°-50°	117.5	18.6
50°-60°	12.8	2.0
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.4	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°	281.7	44.5
0°-40°	501.6	79.2
0°-60°	631.9	99.8
0°-90°	633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	74	74	74	74	74	
5°	313	213	65	12	6	44
15°	1074	559	16	0	0	319
25°	1725	690	0	0	0	783
35°	1867	286	0	0	0	1153
45°	990	29	0	0	0	817
55°	44	0	0	0	0	123
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	0	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°	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2.5°	172.6	169.1	171.4	166.7	166.7	156.2	156.8	148.1	135.2	103.2	73.5
5°	313.0	327.0	316.0	301.4	293.2	282.7	268.7	254.2	213.4	128.8	64.7
7.5°	524.1	522.9	504.3	488.5	470.4	442.5	416.2	380.7	303.7	147.5	53.6
10°	743.9	739.8	718.8	705.4	671.0	630.8	577.1	520.0	392.3	153.9	39.6
12.5°	926.9	921.7	904.2	881.4	843.5	792.8	735.1	659.9	485.6	146.9	25.7
15°	1073.8	1072.6	1055.7	1024.8	985.2	935.6	870.4	780.0	559.1	128.8	16.3
17.5°	1248.1	1255.1	1224.8	1191.6	1134.4	1065.1	985.2	882.0	613.3	106.7	10.5
20°	1476.6	1466.7	1438.7	1390.4	1335.6	1252.2	1139.1	991.6	644.8	82.8	5.8
21°	1546.6	1542.5	1513.4	1468.5	1407.8	1323.3	1206.7	1047.6	659.3	74.0	4.7
22°	1617.7	1610.7	1588.0	1544.3	1487.1	1391.5	1263.3	1105.3	678.0	64.7	2.9
23°	1670.8	1667.8	1650.4	1607.2	1548.3	1455.6	1324.5	1158.9	690.8	56.0	1.7
24°	1711.6	1708.1	1690.6	1657.9	1607.2	1510.4	1386.3	1216.6	696.1	48.4	0.6
25°	1725.0	1726.7	1716.2	1690.6	1648.0	1551.2	1432.3	1262.1	690.2	41.4	0.0
26°	1725.6	1730.8	1723.2	1708.6	1673.7	1583.9	1475.5	1288.9	675.1	35.0	0.0
27°	1725.6	1730.8	1723.2	1712.1	1677.8	1602.5	1498.8	1291.8	651.7	29.7	0.0
28°	1733.7	1736.6	1726.7	1713.3	1676.0	1608.4	1505.2	1274.3	614.4	25.7	0.0
29°	1756.4	1753.5	1737.2	1719.1	1674.3	1608.4	1486.0	1241.1	567.8	21.6	0.0
30°	1789.7	1789.7	1764.0	1735.5	1682.4	1607.8	1455.1	1181.1	515.9	17.5	0.0
31°	1834.6	1830.5	1804.8	1762.3	1699.9	1607.8	1409.6	1114.6	468.1	15.2	0.0
32°	1864.9	1862.5	1838.1	1787.9	1728.5	1607.8	1360.6	1041.2	416.2	12.2	0.0
33°	1885.9	1881.2	1853.2	1801.3	1746.0	1599.6	1305.8	962.5	369.6	9.9	0.0
34°	1883.0	1881.8	1852.6	1799.0	1742.5	1565.8	1242.3	875.0	326.5	8.2	0.0
35°	1866.6	1866.6	1831.1	1775.7	1717.4	1516.3	1179.3	800.4	285.6	5.8	0.0
36°	1854.4	1849.7	1809.5	1747.7	1675.4	1438.2	1086.0	725.2	241.9	4.7	0.0
37°	1836.3	1827.6	1782.7	1716.2	1616.0	1353.6	988.1	658.2	204.6	2.9	0.0
38°	1813.0	1799.6	1744.8	1679.5	1550.7	1256.3	888.4	583.0	170.2	1.7	0.0
39°	1770.4	1759.4	1702.8	1632.3	1472.5	1153.7	791.7	512.4	137.6	0.6	0.0
40°	1732.5	1713.3	1649.2	1568.2	1381.0	1037.7	695.5	443.0	108.4	0.0	0.0
42.5°	1460.9	1440.5	1425.9	1345.5	1100.0	745.0	485.6	283.9	56.5	0.0	0.0
45°	990.4	995.1	949.6	895.4	725.8	485.6	303.7	158.0	29.1	0.0	0.0
47.5°	722.3	710.0	648.2	545.6	425.6	283.9	158.6	76.4	11.7	0.0	0.0
50°	501.3	478.0	422.1	345.1	231.4	135.2	70.0	35.6	0.6	0.0	0.0
52.5°	272.2	255.9	216.9	157.4	96.2	51.9	28.0	14.6	0.0	0.0	0.0
55°	43.7	30.3	31.5	26.8	21.0	15.2	8.7	1.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.2



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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	0.6	0.6	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.2
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°	74.0	74.0	74.0	74.0
2.5°	49.6	33.8	25.7	22.2
5°	28.6	11.7	6.4	5.8
7.5°	14.0	4.1	2.3	2.3
10°	5.8	1.2	0.0	0.0
12.5°	1.7	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	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°	0.6	0.0	0.0	0.0
67.5°	0.6	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.0
72.5°	0.6	0.0	0.0	0.0
75°	0.6	0.0	0.0	0.0
77.5°	0.6	0.0	0.0	0.0
80°	0.6	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.6	0.0	0.0	0.0
85°	0.6	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)