

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: P1326283

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQCA30R 1MMS\_5000K

Issue Date: 1/29/2026

**Test Information**

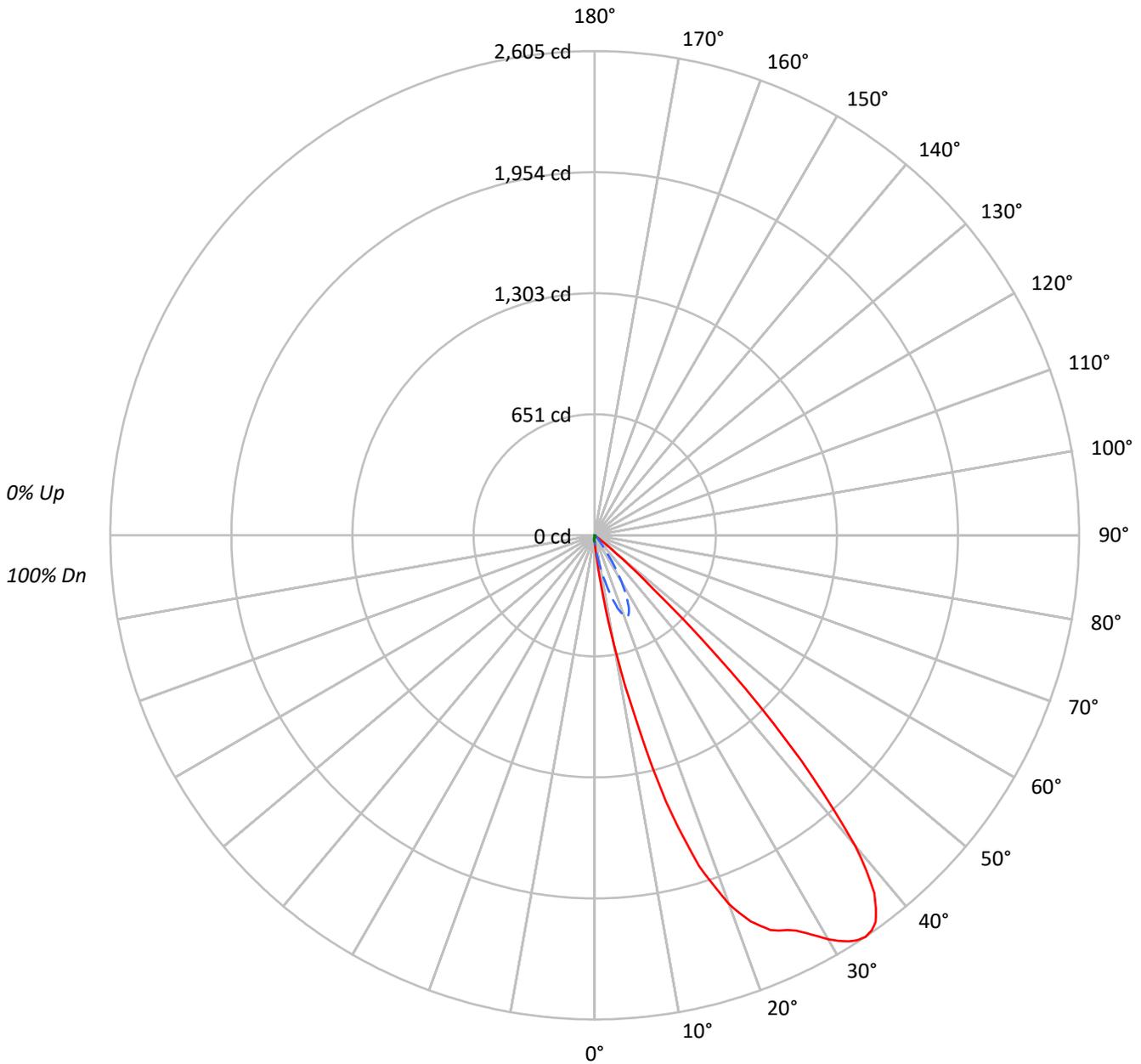
Test Method: LM-79-2019  
Report Number: P1326283  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R30W2N902750DE010 3LSQCA30R 1MMS\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 627.0 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22  
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



— 0°-180°    - - - 45°-225°    ····· 90°-270°



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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	100	100	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	92	92	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83	83	83	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75	75	75	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68	68	68	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61	61	61	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	55	55	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	50	50	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	45	45	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41	41	41	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37	37	37	37

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

	0°	45°	90°	135°	180°
0°	5769	5769	5769	5769	5769
5°	20953	13018	5290	2144	1521
10°	103721	31181	4110	420	0
15°	264594	59373	2621	0	0
20°	386601	84435	1081	0	0
25°	446012	82852	228	0	0
30°	499172	56876	0	0	0
35°	545922	24494	0	0	0
40°	489997	9532	0	0	0
45°	250233	3873	0	0	0
50°	38636	482	0	0	0
55°	2282	0	180	0	0
60°	0	0	207	0	0
65°	0	0	489	0	0
70°	0	302	604	0	0
75°	0	399	1198	0	0
80°	0	595	1785	0	0
85°	0	1186	3557	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 250233 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.0	1.1
10°-20°	83.5	13.3
20°-30°	206.5	32.9
30°-40°	237.4	37.9
40°-50°	88.1	14.0
50°-60°	3.2	0.5
60°-70°	0.3	0.1
70°-80°	0.5	0.1
80°-90°	0.5	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°	297.0	47.4
0°-40°	534.4	85.2
0°-60°	625.7	99.8
0°-90°	627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	627.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	34	34	34	34	34	
5°	121	75	31	12	9	26
15°	1484	333	15	0	0	427
25°	2347	436	1	0	0	1084
35°	2597	116	0	0	0	1574
45°	1027	16	0	0	0	800
55°	8	0	1	0	0	26
65°	0	0	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
2.5°	59.4	60.0	60.0	58.3	57.7	57.1	55.3	50.0	41.8	33.5	27.1
5°	121.2	121.8	121.8	118.3	111.2	104.1	98.3	75.3	48.2	30.6	20.0
7.5°	286.0	286.6	274.2	260.1	231.8	217.1	190.1	115.9	54.7	27.7	12.9
10°	593.1	580.2	547.8	506.6	463.1	406.6	349.5	178.3	59.4	23.5	8.2
12.5°	991.5	979.1	937.3	878.5	793.2	682.6	574.3	250.7	60.0	18.8	4.7
15°	1484.0	1449.2	1399.2	1301.6	1175.6	1004.4	825.5	333.0	57.7	14.7	1.2
17.5°	1865.8	1834.1	1770.5	1656.4	1499.8	1309.8	1090.3	411.3	51.2	9.4	0.0
20°	2109.4	2075.9	2016.5	1915.8	1749.3	1526.3	1275.1	460.7	42.4	5.9	0.0
21°	2178.9	2146.5	2088.3	1988.2	1822.3	1599.9	1320.4	471.3	38.2	4.7	0.0
22°	2240.1	2214.8	2160.6	2051.8	1882.9	1654.0	1366.3	472.5	35.3	3.5	0.0
23°	2283.0	2264.8	2210.6	2110.6	1942.3	1698.1	1391.0	465.4	31.8	2.4	0.0
24°	2324.2	2301.8	2255.4	2162.4	1989.4	1735.2	1413.3	452.5	28.2	1.8	0.0
25°	2347.1	2321.3	2285.4	2198.3	2028.2	1758.7	1426.9	436.0	24.7	1.2	0.0
26°	2363.0	2343.0	2303.6	2219.5	2044.7	1774.0	1428.6	411.9	22.4	0.6	0.0
27°	2387.2	2367.2	2328.9	2238.3	2051.8	1771.7	1418.1	384.2	19.4	0.0	0.0
28°	2423.6	2397.2	2358.9	2258.3	2054.7	1761.7	1394.5	354.2	16.5	0.0	0.0
29°	2465.4	2438.4	2396.6	2284.8	2055.3	1741.7	1357.5	321.3	14.7	0.0	0.0
30°	2510.1	2486.6	2444.2	2310.7	2061.8	1715.8	1314.5	286.0	11.8	0.0	0.0
31°	2545.4	2524.3	2479.0	2334.2	2067.1	1693.4	1261.5	250.7	10.0	0.0	0.0
32°	2576.0	2557.2	2501.3	2339.5	2056.5	1661.7	1205.1	216.5	8.2	0.0	0.0
33°	2597.2	2573.7	2508.4	2326.0	2025.9	1609.3	1142.1	184.2	6.5	0.0	0.0
34°	2604.9	2576.6	2497.8	2290.7	1964.1	1529.9	1060.3	150.6	5.3	0.0	0.0
35°	2596.6	2561.9	2459.5	2230.1	1880.5	1435.1	962.0	116.5	4.1	0.0	0.0
36°	2570.2	2526.0	2404.8	2143.6	1761.1	1323.3	863.8	90.6	2.9	0.0	0.0
37°	2513.1	2464.2	2311.3	2029.4	1642.8	1195.1	752.0	70.6	1.8	0.0	0.0
38°	2443.1	2372.5	2186.5	1885.3	1489.8	1050.9	641.4	58.3	1.2	0.0	0.0
39°	2323.6	2245.9	2038.2	1719.3	1339.8	913.8	533.7	50.6	0.6	0.0	0.0
40°	2179.5	2087.1	1868.8	1541.6	1162.7	770.2	445.4	42.4	0.6	0.0	0.0
42.5°	1644.0	1565.7	1331.0	1048.5	710.8	454.2	247.1	27.7	0.0	0.0	0.0
45°	1027.4	945.6	786.7	574.9	384.8	235.4	118.9	15.9	0.0	0.0	0.0
47.5°	419.5	384.8	316.6	243.6	174.2	110.6	49.4	7.1	0.0	0.0	0.0
50°	144.2	128.3	107.7	78.8	55.9	38.2	25.9	1.8	0.0	0.0	0.0
52.5°	41.8	42.4	37.1	31.8	24.7	17.7	12.9	0.0	0.0	0.0	0.0
55°	7.6	6.5	7.6	7.1	7.6	6.5	4.7	0.0	0.0	0.6	0.0
57.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
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):**

	135°	157.5°	180°
0°	33.5	33.5	33.5
2.5°	21.8	19.4	18.2
5°	12.4	9.4	8.8
7.5°	6.5	4.1	3.5
10°	2.4	0.6	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)