

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: P1326366

Luminaire Tested: LDSQA3D09R30W2N902765DE010 3LSQCA30R 1MMS\_3000K

Issue Date: 1/29/2026

**Test Information**

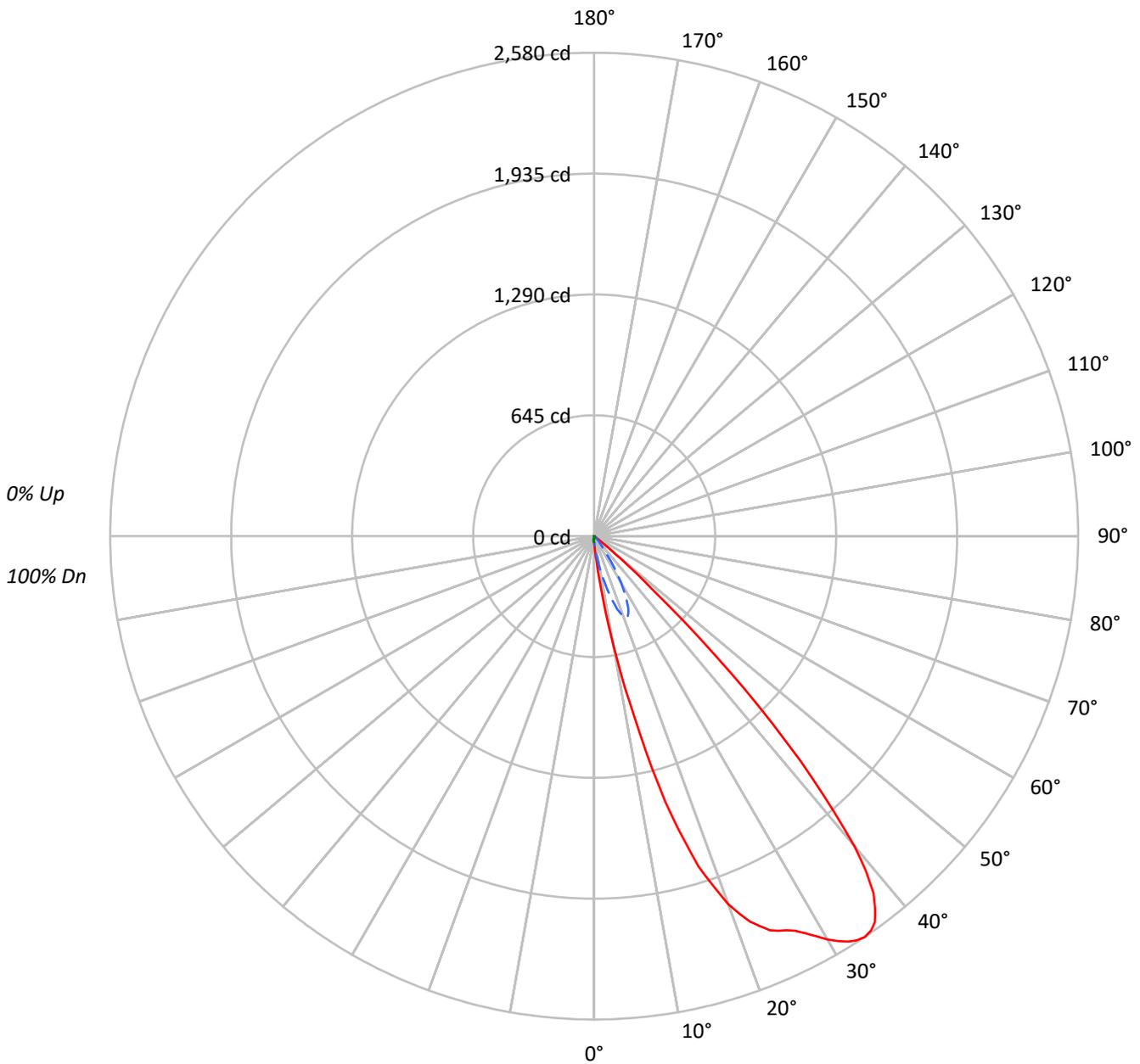
Test Method: LM-79-2019  
Report Number: P1326366  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R30W2N902765DE010 3LSQCA30R 1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 621.0 lumens  
Efficiency: N/A  
Efficacy: 69.0 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				
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92				
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83				
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68				
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61				
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55				
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50				
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45				
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41				
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37				

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

	0°	45°	90°	135°	180°
0°	5718	5718	5718	5718	5718
5°	20763	12897	5238	2109	1504
10°	102724	30884	4075	402	0
15°	262062	58821	2603	0	0
20°	382899	83629	1063	0	0
25°	441755	82054	228	0	0
30°	494400	56319	0	0	0
35°	540708	24262	0	0	0
40°	485298	9442	0	0	0
45°	247822	3824	0	0	0
50°	38261	455	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	1131	0	0
80°	0	595	1686	0	0
85°	0	1186	3359	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 247822 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.9	1.1
10°-20°	82.7	13.3
20°-30°	204.5	32.9
30°-40°	235.1	37.9
40°-50°	87.2	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°	294.2	47.4
0°-40°	529.3	85.2
0°-60°	619.7	99.8
0°-90°	621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	621.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	33	33	33	33	33	
5°	120	75	30	12	9	26
15°	1470	330	15	0	0	423
25°	2325	432	1	0	0	1074
35°	2572	115	0	0	0	1559
45°	1018	16	0	0	0	792
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°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
2.5°	58.9	59.4	59.4	57.7	57.1	56.5	54.8	49.5	41.4	33.2	26.8
5°	120.1	120.6	120.6	117.1	110.1	103.2	97.3	74.6	47.8	30.3	19.8
7.5°	283.2	283.8	271.6	257.6	229.6	215.0	188.2	114.8	54.2	27.4	12.8
10°	587.4	574.6	542.6	501.8	458.6	402.7	346.2	176.6	58.9	23.3	8.2
12.5°	982.0	969.7	928.4	870.1	785.6	676.0	568.8	248.3	59.4	18.6	4.7
15°	1469.8	1435.4	1385.8	1289.1	1164.4	994.8	817.6	329.9	57.1	14.6	1.2
17.5°	1848.0	1816.5	1753.6	1640.5	1485.5	1297.3	1079.9	407.4	50.7	9.3	0.0
20°	2089.2	2056.0	1997.2	1897.5	1732.6	1511.7	1262.9	456.3	42.0	5.8	0.0
21°	2158.0	2126.0	2068.3	1969.2	1804.9	1584.6	1307.7	466.8	37.9	4.7	0.0
22°	2218.6	2193.6	2139.9	2032.1	1864.9	1638.2	1353.2	468.0	35.0	3.5	0.0
23°	2261.2	2243.1	2189.5	2090.4	1923.7	1681.9	1377.7	461.0	31.5	2.3	0.0
24°	2302.0	2279.8	2233.8	2141.7	1970.4	1718.6	1399.8	448.2	28.0	1.7	0.0
25°	2324.7	2299.0	2263.5	2177.2	2008.8	1741.9	1413.2	431.8	24.5	1.2	0.0
26°	2340.4	2320.6	2281.6	2198.2	2025.1	1757.1	1415.0	407.9	22.1	0.6	0.0
27°	2364.3	2344.5	2306.6	2216.9	2032.1	1754.7	1404.5	380.6	19.2	0.0	0.0
28°	2400.4	2374.2	2336.3	2236.7	2035.0	1744.8	1381.2	350.8	16.3	0.0	0.0
29°	2441.8	2415.0	2373.6	2262.9	2035.6	1725.0	1344.5	318.2	14.6	0.0	0.0
30°	2486.1	2462.8	2420.8	2288.6	2042.0	1699.4	1301.9	283.2	11.7	0.0	0.0
31°	2521.1	2500.1	2455.2	2311.9	2047.3	1677.2	1249.5	248.3	9.9	0.0	0.0
32°	2551.4	2532.7	2477.4	2317.1	2036.8	1645.8	1193.5	214.5	8.2	0.0	0.0
33°	2572.4	2549.1	2484.4	2303.7	2006.5	1593.9	1131.2	182.4	6.4	0.0	0.0
34°	2579.9	2552.0	2473.9	2268.7	1945.3	1515.2	1050.2	149.2	5.2	0.0	0.0
35°	2571.8	2537.4	2436.0	2208.7	1862.5	1421.4	952.8	115.4	4.1	0.0	0.0
36°	2545.6	2501.9	2381.8	2123.0	1744.2	1310.7	855.5	89.7	2.9	0.0	0.0
37°	2489.0	2440.7	2289.1	2010.0	1627.1	1183.6	744.8	69.9	1.7	0.0	0.0
38°	2419.7	2349.7	2165.6	1867.2	1475.6	1040.8	635.2	57.7	1.2	0.0	0.0
39°	2301.4	2224.5	2018.7	1702.9	1327.0	905.0	528.6	50.1	0.6	0.0	0.0
40°	2158.6	2067.1	1850.9	1526.9	1151.6	762.9	441.2	42.0	0.6	0.0	0.0
42.5°	1628.3	1550.8	1318.2	1038.5	704.0	449.9	244.8	27.4	0.0	0.0	0.0
45°	1017.5	936.5	779.2	569.4	381.1	233.1	117.7	15.7	0.0	0.0	0.0
47.5°	415.5	381.1	313.5	241.3	172.5	109.6	49.0	7.0	0.0	0.0	0.0
50°	142.8	127.0	106.6	78.1	55.4	37.9	25.6	1.7	0.0	0.0	0.0
52.5°	41.4	42.0	36.7	31.5	24.5	17.5	12.8	0.0	0.0	0.0	0.0
55°	7.6	6.4	7.6	7.0	7.6	6.4	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	1.7	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	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	1.7	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	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°	33.2	33.2	33.2
2.5°	21.6	19.2	18.1
5°	12.2	9.3	8.7
7.5°	6.4	4.1	3.5
10°	2.3	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)