

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: P1326099

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQCA30R 1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R25W2N902750DE010 3LSQCA30R 1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

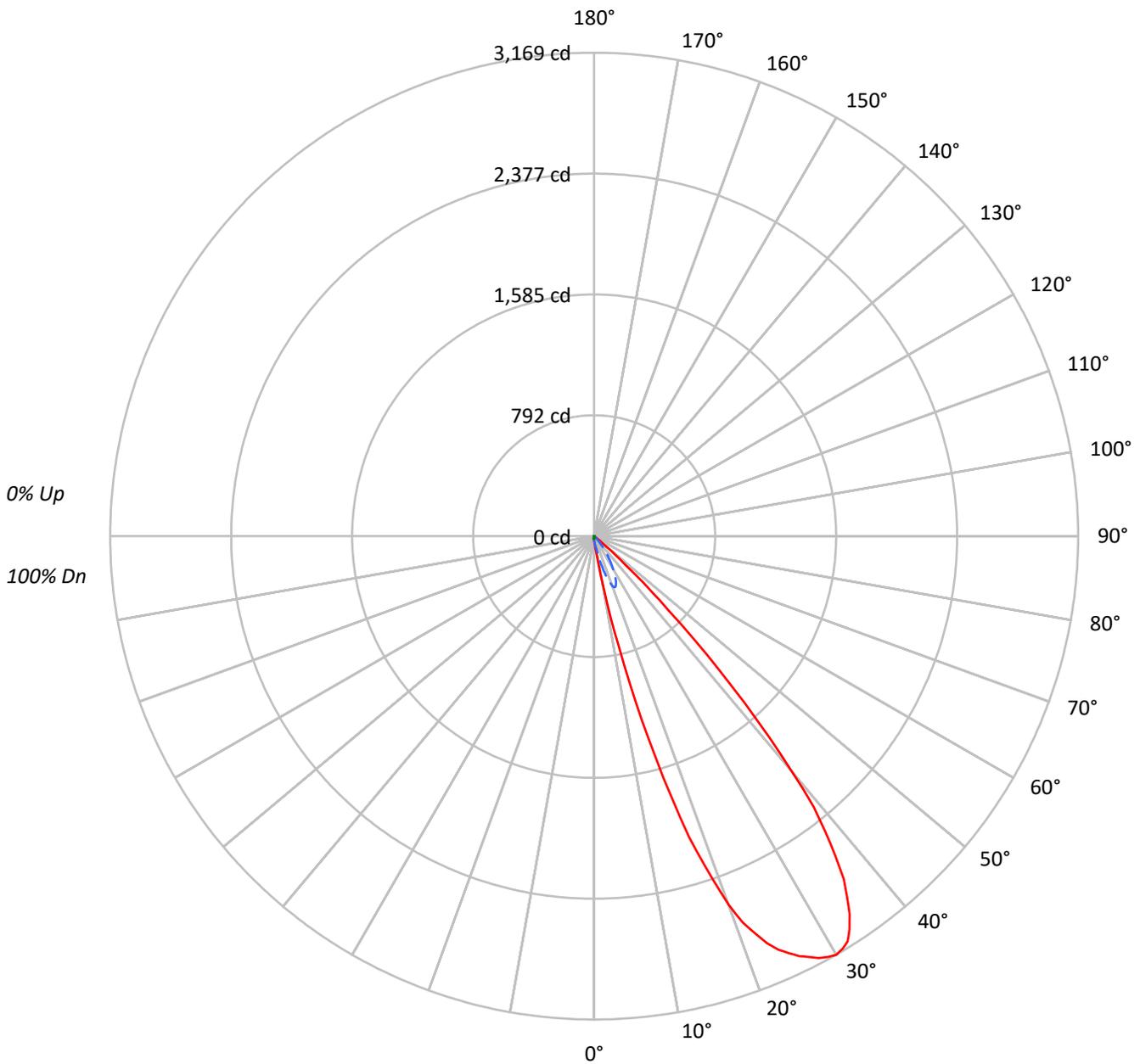
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 634.1 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75			
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61			
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55			
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50			
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	50	47	45			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4684	4684	4684	4684	4684
5°	11756	8696	4391	2247	1746
10°	51415	14795	3620	1032	717
15°	244482	39867	2532	428	321
20°	470615	63853	1631	110	110
25°	573158	64400	893	0	0
30°	630165	49299	358	0	0
35°	607272	31348	126	0	0
40°	453756	13557	0	0	135
45°	167983	3605	146	146	438
50°	19800	482	322	322	643
55°	1952	0	360	540	901
60°	207	0	620	827	1033
65°	245	245	978	1223	1426
70°	302	302	1209	1209	1762
75°	399	399	1198	1198	1597
80°	0	595	1785	1190	1785
85°	0	1186	3557	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 167983 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.6
10°-20°	73.9	11.7
20°-30°	232.0	36.6
30°-40°	244.2	38.5
40°-50°	71.8	11.3
50°-60°	3.9	0.6
60°-70°	1.9	0.3
70°-80°	1.6	0.3
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°	309.9	48.9
0°-40°	554.1	87.4
0°-60°	629.7	99.3
0°-90°	634.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	634.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	68	50	25	13	10	12
15°	1371	224	14	2	2	432
25°	3016	339	5	0	0	1383
35°	2888	149	1	0	0	1743
45°	690	15	1	1	2	627
55°	6	0	1	2	3	17
65°	1	1	2	3	4	1
75°	1	1	2	2	2	0
85°	0	1	2	1	1	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°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
2.5°	42.0	42.6	40.8	42.0	40.8	40.2	39.6	36.7	31.9	27.2	22.5
5°	68.0	68.0	65.1	64.5	63.3	60.9	58.6	50.3	36.1	25.4	17.7
7.5°	106.5	105.9	104.7	101.7	95.8	89.9	84.0	65.7	39.6	23.7	13.6
10°	294.0	289.8	284.5	252.6	216.5	184.6	156.8	84.6	42.6	20.7	10.1
12.5°	730.5	706.9	650.7	586.8	505.2	419.4	335.4	137.8	43.8	17.2	7.1
15°	1371.2	1322.1	1234.5	1106.8	939.9	752.4	592.7	223.6	42.6	14.2	5.3
17.5°	2070.4	2023.0	1901.8	1707.7	1462.3	1174.2	891.4	296.4	39.6	11.8	3.5
20°	2567.8	2517.6	2404.0	2198.1	1932.5	1548.6	1173.6	348.4	37.3	8.9	1.8
21°	2713.3	2663.1	2543.0	2344.2	2065.0	1679.9	1264.1	357.3	35.5	7.7	1.2
22°	2805.6	2776.1	2647.1	2454.3	2169.7	1785.2	1341.6	361.4	34.3	7.1	1.2
23°	2898.5	2854.1	2733.5	2530.0	2249.6	1863.3	1399.0	358.5	33.1	5.9	0.6
24°	2967.1	2929.8	2789.7	2588.5	2305.2	1911.2	1432.7	350.8	31.4	5.3	0.6
25°	3016.2	2981.9	2835.8	2628.2	2342.5	1937.3	1443.3	338.9	29.6	4.7	0.6
26°	3062.9	3025.7	2874.2	2651.2	2362.0	1945.5	1433.3	325.9	27.8	4.1	0.0
27°	3096.7	3058.8	2900.9	2664.8	2363.2	1935.5	1406.1	308.2	26.0	3.5	0.0
28°	3132.7	3089.0	2919.2	2672.5	2356.1	1911.8	1367.0	289.3	24.8	3.0	0.0
29°	3154.6	3113.2	2938.1	2680.8	2341.3	1872.2	1310.2	266.8	21.9	1.8	0.0
30°	3168.8	3119.7	2936.4	2671.9	2321.8	1829.6	1242.2	247.9	18.9	1.8	0.0
31°	3157.0	3105.5	2917.4	2647.1	2290.4	1774.0	1172.4	224.2	15.4	1.2	0.0
32°	3131.6	3070.6	2884.3	2603.9	2234.2	1702.4	1100.2	204.7	11.2	1.2	0.0
33°	3069.4	3018.0	2824.6	2545.9	2160.9	1605.4	1006.2	185.7	7.7	0.6	0.0
34°	2991.4	2939.9	2742.9	2468.5	2062.7	1480.0	892.0	166.2	6.5	0.6	0.0
35°	2888.4	2837.6	2650.6	2360.2	1932.5	1329.2	774.3	149.1	5.3	0.6	0.0
36°	2780.2	2712.8	2534.1	2244.9	1758.0	1157.6	648.3	129.5	4.1	0.6	0.0
37°	2621.1	2575.5	2377.4	2069.2	1569.3	993.2	556.6	111.8	3.0	0.6	0.0
38°	2456.0	2414.0	2220.6	1892.3	1358.7	830.5	466.1	94.6	2.4	0.0	0.0
39°	2285.7	2215.9	2024.8	1665.7	1138.1	695.6	392.2	79.3	1.2	0.0	0.0
40°	2018.3	1965.1	1761.0	1393.6	941.7	563.7	334.2	60.3	1.2	0.0	0.0
42.5°	1338.0	1288.4	1074.2	756.0	500.4	329.5	220.6	23.7	0.0	0.6	0.0
45°	689.7	658.4	534.7	395.7	283.9	202.3	142.0	14.8	0.0	0.6	0.6
47.5°	273.9	268.6	242.5	209.4	161.5	120.1	77.5	6.5	0.0	0.6	0.6
50°	73.9	74.5	69.8	64.5	58.6	55.0	32.5	1.8	0.0	1.2	0.6
52.5°	31.4	31.9	30.8	29.0	26.0	19.5	13.0	0.6	0.6	1.2	1.2
55°	6.5	7.1	7.7	8.3	9.5	8.3	5.3	0.0	0.6	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.2	0.0	0.6	1.2	1.8
60°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.2	1.8	1.8
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.8	2.4
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	2.4	2.4
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.4	2.4
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.4	2.4
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.4	1.8
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	1.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.8	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.8	1.2



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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	0.6	0.6	1.2	1.8	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	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):

	135°	157.5°	180°
0°	27.2	27.2	27.2
2.5°	18.9	17.2	16.6
5°	13.0	11.2	10.1
7.5°	8.9	7.1	6.5
10°	5.9	4.7	4.1
12.5°	4.1	2.4	2.4
15°	2.4	1.8	1.8
17.5°	1.2	0.6	0.6
20°	0.6	0.6	0.6
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	0.6
39°	0.0	0.6	0.6
40°	0.0	0.6	0.6
42.5°	0.0	0.6	1.2
45°	0.6	1.2	1.8
47.5°	1.2	1.8	2.4
50°	1.2	2.4	2.4
52.5°	1.8	2.4	3.0
55°	1.8	3.0	3.0
57.5°	2.4	3.0	3.5
60°	2.4	3.0	3.0
62.5°	2.4	3.5	3.5
65°	3.0	3.5	3.5
67.5°	3.0	3.5	3.5
70°	2.4	3.0	3.5
72.5°	2.4	3.0	3.0
75°	1.8	2.4	2.4
77.5°	1.8	1.8	2.4
80°	1.2	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.2	1.2	1.2
85°	0.6	0.6	0.6
87.5°	0.6	0.6	0.6
90°	0.0	0.0	0.0

(END OF REPORT)