

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: P1326087

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQCA30R 1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R25W2N902750DE010 3LSQCA30R 1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

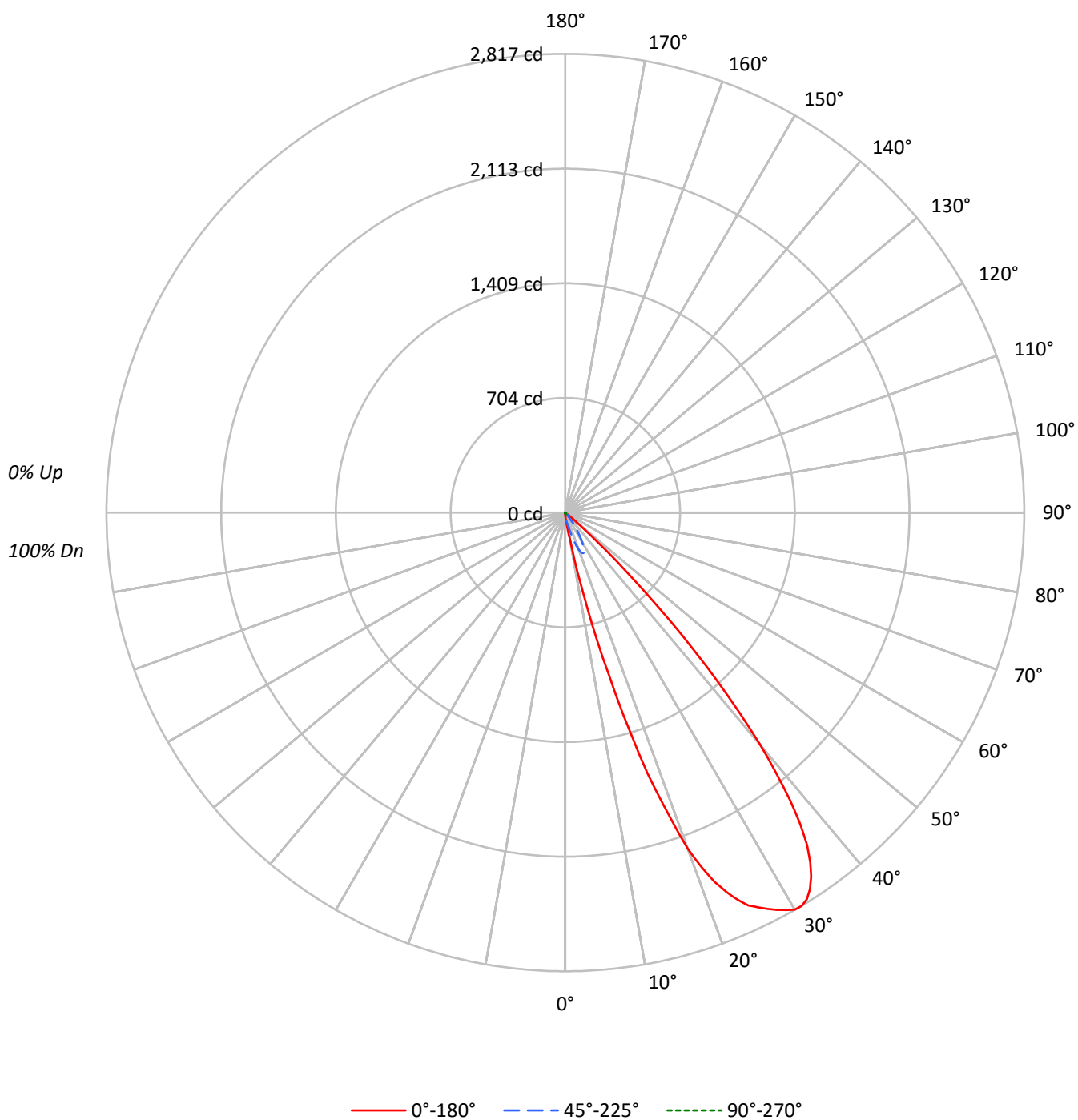
Lumens per Lamp: N/A
Luminaire Lumens: 552.0 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
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	80	87	83	79	85	81	78	83	79	77	75	
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67	
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61	
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55	
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45	
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40	
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2997	2997	2997	2997	2997
5°	9422	6587	2749	1469	1089
10°	29677	11927	2029	192	0
15°	183540	22715	1230	0	0
20°	402418	44279	385	0	0
25°	505851	50946	0	0	0
30°	559986	39435	0	0	0
35°	551241	22349	0	0	0
40°	418998	5823	0	0	0
45°	169712	2582	0	0	0
50°	18836	295	0	0	0
55°	1441	0	150	0	0
60°	0	0	172	0	0
65°	0	0	448	0	0
70°	0	252	554	0	0
75°	0	333	1065	0	0
80°	0	496	1587	0	0
85°	0	988	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 169712 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.5
10°-20°	57.0	10.3
20°-30°	199.3	36.1
30°-40°	222.3	40.3
40°-50°	67.1	12.2
50°-60°	2.2	0.4
60°-70°	0.3	0.1
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°	259.0	46.9
0°-40°	481.4	87.2
0°-60°	550.8	99.8
0°-90°	552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	552.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	54	38	16	8	6	8
15°	1029	127	7	0	0	342
25°	2662	268	0	0	0	1214
35°	2622	106	0	0	0	1574
45°	697	11	0	0	0	602
55°	5	0	0	0	0	15
65°	0	0	1	0	0	0
75°	0	0	2	0	0	0
85°	0	0	2	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
2.5°	30.1	31.2	30.7	31.2	30.7	30.7	30.7	31.2	30.7	30.7	30.7
5°	54.5	55.0	55.0	54.5	54.5	55.5	54.5	55.0	53.4	54.5	53.9
7.5°	89.4	88.3	88.3	88.8	88.8	87.8	87.2	86.2	87.2	87.2	85.7
10°	169.7	168.7	166.0	165.0	166.0	166.0	160.7	161.8	162.3	157.6	156.0
12.5°	498.6	494.9	502.3	490.6	483.8	472.7	479.0	457.3	452.6	449.4	442.0
15°	1029.4	1057.4	1045.3	1046.3	1048.4	1022.0	1031.0	998.2	970.7	962.2	956.4
17.5°	1678.6	1687.1	1676.0	1670.7	1668.6	1655.9	1640.6	1624.2	1603.0	1584.5	1569.2
20°	2195.7	2189.4	2170.3	2172.5	2149.7	2138.1	2124.9	2108.5	2092.1	2065.1	2039.2
21°	2332.1	2313.6	2314.1	2301.5	2300.9	2286.1	2262.9	2245.9	2231.1	2200.5	2184.1
22°	2444.2	2440.0	2430.5	2420.9	2410.9	2403.5	2377.6	2369.1	2339.0	2313.6	2290.4
23°	2531.4	2533.0	2524.6	2518.2	2504.5	2501.3	2468.0	2456.4	2435.8	2397.2	2373.4
24°	2603.9	2601.2	2591.7	2580.6	2572.7	2565.3	2539.9	2520.9	2498.1	2466.4	2443.2
25°	2662.0	2655.7	2649.3	2640.9	2628.2	2619.7	2593.8	2572.7	2553.1	2517.7	2486.0
26°	2696.4	2698.0	2687.9	2681.6	2670.5	2662.0	2635.1	2610.2	2585.9	2547.8	2519.3
27°	2731.3	2729.7	2720.7	2711.2	2699.6	2696.4	2665.2	2639.3	2614.5	2574.3	2540.4
28°	2763.5	2759.3	2751.9	2740.8	2728.1	2718.6	2688.5	2661.5	2634.5	2591.7	2554.7
29°	2790.5	2786.3	2781.5	2767.3	2750.9	2744.5	2712.3	2679.5	2652.5	2608.6	2569.5
30°	2815.9	2808.0	2796.9	2784.7	2768.8	2756.7	2722.8	2694.3	2662.6	2613.9	2576.4
31°	2816.9	2806.4	2798.4	2785.8	2767.8	2753.0	2717.6	2688.5	2651.5	2606.0	2565.3
32°	2798.4	2793.2	2780.5	2766.7	2749.3	2734.5	2695.3	2664.7	2629.8	2581.1	2540.4
33°	2756.7	2751.4	2744.0	2729.7	2707.0	2693.2	2658.3	2624.5	2590.1	2546.3	2499.7
34°	2699.0	2692.7	2683.2	2668.9	2645.6	2631.4	2603.4	2568.5	2532.0	2486.5	2443.2
35°	2621.9	2609.7	2607.1	2585.9	2564.2	2560.5	2527.2	2490.7	2453.7	2403.5	2366.0
36°	2526.2	2511.9	2502.4	2495.0	2480.7	2463.2	2430.5	2401.4	2353.8	2321.6	2268.7
37°	2395.6	2378.1	2387.1	2367.0	2344.8	2337.4	2295.6	2269.2	2229.0	2185.1	2140.2
38°	2243.3	2241.7	2239.6	2230.6	2192.5	2173.0	2155.5	2127.5	2092.6	2039.7	1978.9
39°	2050.9	2054.0	2042.9	2044.0	2024.9	2005.4	1981.1	1949.3	1907.0	1858.9	1809.8
40°	1863.7	1818.8	1826.7	1799.7	1801.3	1772.2	1740.5	1712.5	1685.5	1643.2	1576.1
42.5°	1289.5	1282.6	1258.9	1241.9	1249.3	1211.8	1170.0	1130.9	1093.4	1045.8	987.1
45°	696.8	681.0	685.7	658.2	658.2	641.3	629.7	596.9	562.0	540.3	506.5
47.5°	259.1	262.2	268.1	257.0	244.3	251.7	240.6	240.6	234.7	227.9	218.4
50°	70.3	71.4	70.3	70.3	68.7	67.7	65.6	65.0	64.5	62.9	60.3
52.5°	28.6	27.0	27.0	27.5	27.5	26.4	27.0	27.0	26.4	25.9	25.9
55°	4.8	5.3	5.3	5.3	5.3	4.8	4.8	5.3	5.8	5.3	5.3
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
2.5°	29.6	25.9	21.7	18.0	14.3	12.2	11.1	11.6
5°	50.2	38.1	24.8	15.9	11.1	8.5	6.9	6.3
7.5°	77.2	52.3	28.0	13.7	8.5	4.2	2.6	2.1
10°	118.4	68.2	30.1	11.6	5.3	1.1	0.0	0.0
12.5°	304.0	83.5	30.7	9.5	2.1	0.0	0.0	0.0
15°	624.9	127.4	29.6	6.9	0.5	0.0	0.0	0.0
17.5°	1038.9	195.1	25.9	4.8	0.0	0.0	0.0	0.0
20°	1441.3	241.6	20.6	2.1	0.0	0.0	0.0	0.0
21°	1562.3	255.4	18.5	1.6	0.0	0.0	0.0	0.0
22°	1661.2	265.4	16.4	1.1	0.0	0.0	0.0	0.0
23°	1743.7	270.7	14.3	0.5	0.0	0.0	0.0	0.0
24°	1801.3	271.8	13.2	0.5	0.0	0.0	0.0	0.0
25°	1828.8	268.1	11.6	0.0	0.0	0.0	0.0	0.0
26°	1839.4	260.7	10.6	0.0	0.0	0.0	0.0	0.0
27°	1831.4	251.1	9.5	0.0	0.0	0.0	0.0	0.0
28°	1817.2	236.9	7.9	0.0	0.0	0.0	0.0	0.0
29°	1789.1	217.8	6.9	0.0	0.0	0.0	0.0	0.0
30°	1762.2	198.3	5.8	0.0	0.0	0.0	0.0	0.0
31°	1731.5	180.8	4.8	0.0	0.0	0.0	0.0	0.0
32°	1694.0	160.7	3.7	0.0	0.0	0.0	0.0	0.0
33°	1631.6	142.2	2.6	0.0	0.0	0.0	0.0	0.0
34°	1544.4	124.8	2.1	0.0	0.0	0.0	0.0	0.0
35°	1427.5	106.3	1.6	0.0	0.0	0.0	0.0	0.0
36°	1299.6	86.7	1.1	0.0	0.0	0.0	0.0	0.0
37°	1143.1	62.9	1.1	0.0	0.0	0.0	0.0	0.0
38°	979.7	39.7	0.5	0.0	0.0	0.0	0.0	0.0
39°	812.6	30.1	0.5	0.0	0.0	0.0	0.0	0.0
40°	659.8	25.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	353.2	17.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	208.3	10.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	116.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	41.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5.8	0.0	0.0	0.5	0.0	0.0	0.0	0.0
57.5°	0.5	0.0	0.5	0.5	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.5	1.1	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.1	1.1	0.5	0.0	0.0	0.0
67.5°	0.0	0.5	1.1	1.1	0.5	0.0	0.0	0.0
70°	0.0	0.5	1.1	1.1	0.5	0.0	0.0	0.0
72.5°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
75°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
77.5°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
80°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
85°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
87.5°	0.0	0.5	1.1	1.6	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)