

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: P1326096

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQCA30R 1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326096
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 1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

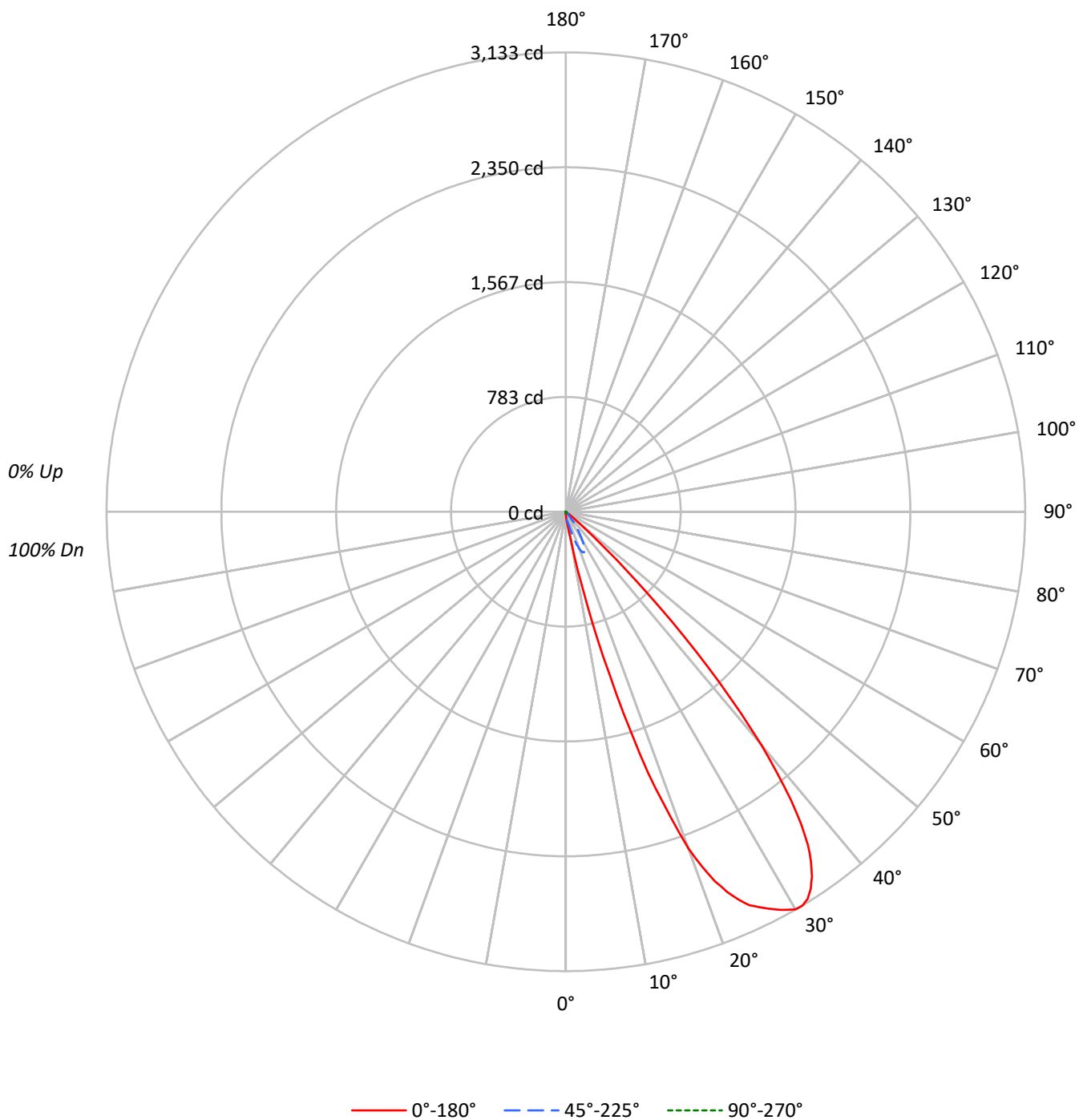
Lumens per Lamp: N/A
Luminaire Lumens: 614.0 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	10
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°	3341	3341	3341	3341	3341
5°	10477	7313	3043	1625	1227
10°	33017	13273	2256	210	0
15°	204151	25265	1355	0	0
20°	447614	49264	440	0	0
25°	562669	56666	0	0	0
30°	622887	43850	0	0	0
35°	613138	24851	0	0	0
40°	466053	6475	0	0	0
45°	188783	2874	0	0	0
50°	20952	322	0	0	0
55°	1591	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: 188783 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.5
10°-20°	63.4	10.3
20°-30°	221.7	36.1
30°-40°	247.3	40.3
40°-50°	74.7	12.2
50°-60°	2.5	0.4
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°	288.1	46.9
0°-40°	535.5	87.2
0°-60°	612.6	99.8
0°-90°	614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	61	42	18	9	7	9
15°	1145	142	8	0	0	381
25°	2961	298	0	0	0	1351
35°	2916	118	0	0	0	1751
45°	775	12	0	0	0	669
55°	5	0	1	0	0	16
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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
2.5°	33.5	34.7	34.1	34.7	34.1	34.1	34.1	34.7	34.1	34.1	34.1
5°	60.6	61.2	61.2	60.6	60.6	61.7	60.6	61.2	59.4	60.6	60.0
7.5°	99.4	98.2	98.2	98.8	98.8	97.6	97.0	95.9	97.0	97.0	95.3
10°	188.8	187.6	184.7	183.5	184.7	184.7	178.8	180.0	180.5	175.3	173.5
12.5°	554.6	550.5	558.7	545.7	538.1	525.8	532.8	508.7	503.4	499.9	491.6
15°	1145.0	1176.2	1162.7	1163.8	1166.2	1136.8	1146.8	1110.3	1079.7	1070.3	1063.9
17.5°	1867.2	1876.6	1864.2	1858.4	1856.0	1841.9	1824.8	1806.6	1783.1	1762.5	1745.5
20°	2442.3	2435.3	2414.1	2416.5	2391.2	2378.2	2363.5	2345.3	2327.1	2297.1	2268.3
21°	2594.1	2573.5	2574.1	2560.0	2559.4	2542.9	2517.0	2498.2	2481.7	2447.6	2429.4
22°	2718.7	2714.0	2703.5	2692.9	2681.7	2673.5	2644.6	2635.2	2601.7	2573.5	2547.6
23°	2815.8	2817.5	2808.1	2801.1	2785.8	2782.3	2745.2	2732.3	2709.3	2666.4	2639.9
24°	2896.3	2893.4	2882.8	2870.5	2861.6	2853.4	2825.2	2804.0	2778.7	2743.4	2717.6
25°	2961.0	2954.0	2946.9	2937.5	2923.4	2914.0	2885.2	2861.6	2839.9	2800.5	2765.2
26°	2999.3	3001.0	2989.9	2982.8	2970.4	2961.0	2931.0	2903.4	2876.3	2834.0	2802.3
27°	3038.1	3036.3	3026.3	3015.7	3002.8	2999.3	2964.6	2935.7	2908.1	2863.4	2825.8
28°	3073.9	3069.2	3061.0	3048.7	3034.5	3024.0	2990.4	2960.4	2930.5	2882.8	2841.7
29°	3103.9	3099.2	3093.9	3078.1	3059.8	3052.8	3016.9	2980.4	2950.4	2901.6	2858.1
30°	3132.2	3123.3	3111.0	3097.5	3079.8	3066.3	3028.7	2996.9	2961.6	2907.5	2865.8
31°	3133.3	3121.6	3112.8	3098.6	3078.7	3062.2	3022.8	2990.4	2949.3	2898.7	2853.4
32°	3112.8	3106.9	3092.8	3077.5	3058.1	3041.6	2998.1	2964.0	2925.2	2871.1	2825.8
33°	3066.3	3060.4	3052.2	3036.3	3011.0	2995.7	2956.9	2919.3	2881.1	2832.2	2780.5
34°	3002.2	2995.1	2984.6	2968.7	2942.8	2926.9	2895.8	2856.9	2816.4	2765.8	2717.6
35°	2916.3	2902.8	2899.9	2876.3	2852.2	2848.1	2811.1	2770.5	2729.3	2673.5	2631.7
36°	2809.9	2794.0	2783.4	2775.2	2759.3	2739.9	2703.5	2671.1	2618.2	2582.3	2523.5
37°	2664.6	2645.2	2655.2	2632.9	2608.2	2599.9	2553.5	2524.1	2479.4	2430.6	2380.6
38°	2495.3	2493.5	2491.2	2481.2	2438.8	2417.1	2397.6	2366.5	2327.7	2268.9	2201.2
39°	2281.2	2284.7	2272.4	2273.6	2252.4	2230.6	2203.6	2168.3	2121.2	2067.7	2013.0
40°	2073.0	2023.0	2031.9	2001.9	2003.6	1971.3	1936.0	1904.8	1874.8	1827.8	1753.1
42.5°	1434.4	1426.7	1400.2	1381.4	1389.7	1347.9	1301.4	1257.9	1216.2	1163.2	1098.0
45°	775.1	757.5	762.8	732.2	732.2	713.4	700.4	664.0	625.1	601.0	563.4
47.5°	288.2	291.7	298.2	285.8	271.7	279.9	267.6	267.6	261.1	253.5	242.9
50°	78.2	79.4	78.2	78.2	76.5	75.3	72.9	72.3	71.7	70.0	67.0
52.5°	31.8	30.0	30.0	30.6	30.6	29.4	30.0	30.0	29.4	28.8	28.8
55°	5.3	5.9	5.9	5.9	5.9	5.3	5.3	5.9	6.5	5.9	5.9
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°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
2.5°	32.9	28.8	24.1	20.0	15.9	13.5	12.3	12.9
5°	55.9	42.3	27.6	17.6	12.3	9.4	7.6	7.1
7.5°	85.9	58.2	31.2	15.3	9.4	4.7	2.9	2.4
10°	131.7	75.9	33.5	12.9	5.9	1.2	0.0	0.0
12.5°	338.2	92.9	34.1	10.6	2.4	0.0	0.0	0.0
15°	695.1	141.7	32.9	7.6	0.6	0.0	0.0	0.0
17.5°	1155.6	217.0	28.8	5.3	0.0	0.0	0.0	0.0
20°	1603.1	268.8	22.9	2.4	0.0	0.0	0.0	0.0
21°	1737.8	284.0	20.6	1.8	0.0	0.0	0.0	0.0
22°	1847.8	295.2	18.2	1.2	0.0	0.0	0.0	0.0
23°	1939.5	301.1	15.9	0.6	0.0	0.0	0.0	0.0
24°	2003.6	302.3	14.7	0.6	0.0	0.0	0.0	0.0
25°	2034.2	298.2	12.9	0.0	0.0	0.0	0.0	0.0
26°	2046.0	289.9	11.8	0.0	0.0	0.0	0.0	0.0
27°	2037.1	279.3	10.6	0.0	0.0	0.0	0.0	0.0
28°	2021.3	263.5	8.8	0.0	0.0	0.0	0.0	0.0
29°	1990.1	242.3	7.6	0.0	0.0	0.0	0.0	0.0
30°	1960.1	220.5	6.5	0.0	0.0	0.0	0.0	0.0
31°	1926.0	201.1	5.3	0.0	0.0	0.0	0.0	0.0
32°	1884.2	178.8	4.1	0.0	0.0	0.0	0.0	0.0
33°	1814.8	158.2	2.9	0.0	0.0	0.0	0.0	0.0
34°	1717.8	138.8	2.4	0.0	0.0	0.0	0.0	0.0
35°	1587.8	118.2	1.8	0.0	0.0	0.0	0.0	0.0
36°	1445.5	96.4	1.2	0.0	0.0	0.0	0.0	0.0
37°	1271.5	70.0	1.2	0.0	0.0	0.0	0.0	0.0
38°	1089.7	44.1	0.6	0.0	0.0	0.0	0.0	0.0
39°	903.9	33.5	0.6	0.0	0.0	0.0	0.0	0.0
40°	733.9	28.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	392.8	19.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	231.7	11.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	129.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	46.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	6.5	0.0	0.0	0.6	0.0	0.0	0.0	0.0
57.5°	0.6	0.0	0.6	0.6	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.6	1.2	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.2	1.2	0.6	0.0	0.0	0.0
67.5°	0.0	0.6	1.2	1.2	0.6	0.0	0.0	0.0
70°	0.0	0.6	1.2	1.2	0.6	0.0	0.0	0.0
72.5°	0.0	0.6	1.2	1.8	0.6	0.0	0.0	0.0
75°	0.0	0.6	1.2	1.8	0.6	0.0	0.0	0.0
77.5°	0.0	0.6	1.2	1.8	0.6	0.0	0.0	0.0
80°	0.0	0.6	1.2	1.8	0.6	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	0.6	1.2	1.8	0.6	0.0	0.0	0.0
85°	0.0	0.6	1.2	1.8	0.6	0.0	0.0	0.0
87.5°	0.0	0.6	1.2	1.8	0.6	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)