

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: P1326181

Luminaire Tested: LDSQA3D09R25W2N902765DE010 3LSQCA30R 1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326181
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: LDSQA3D09R25W2N902765DE010 3LSQCA30R 1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

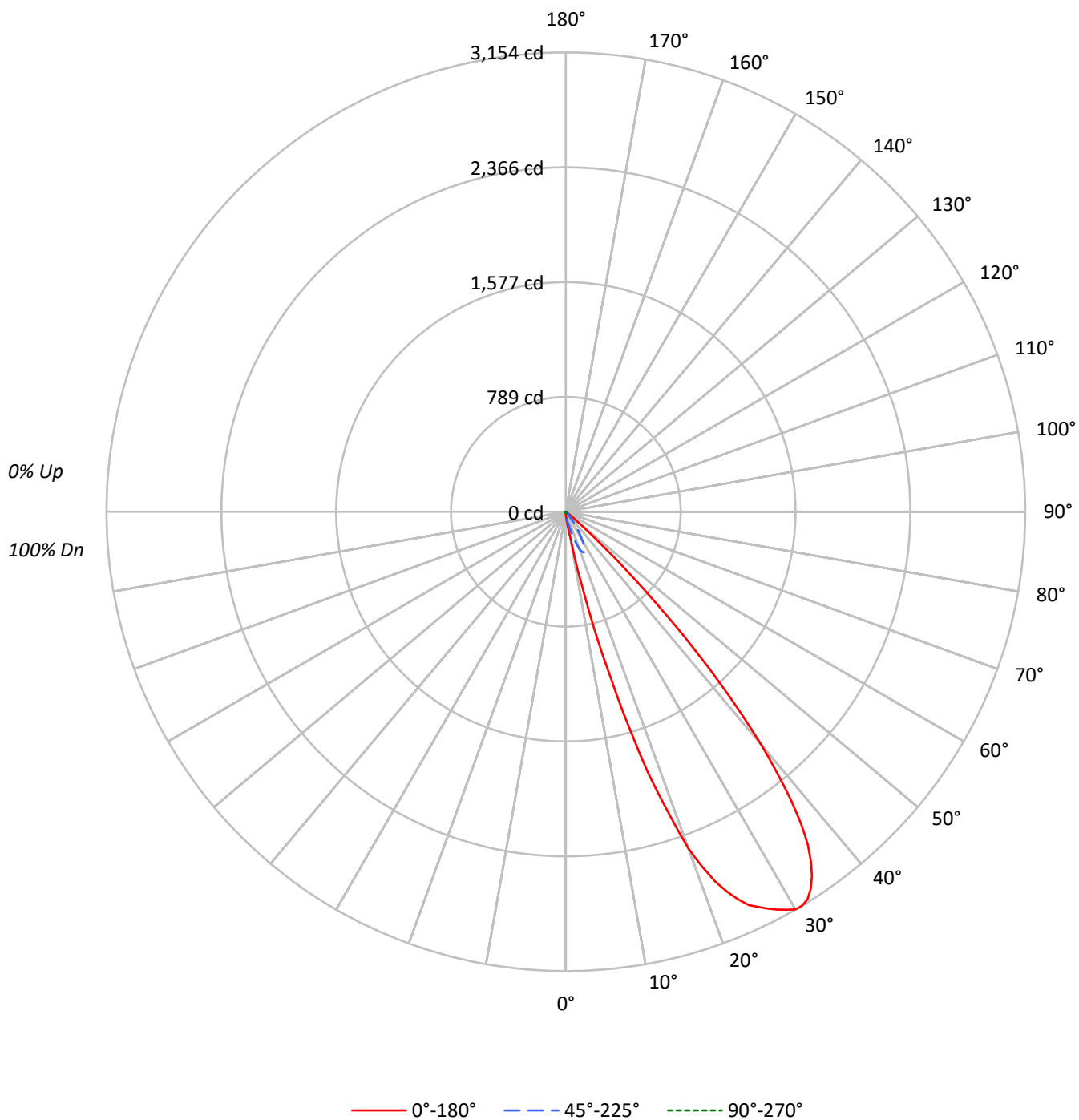
Lumens per Lamp: N/A
Luminaire Lumens: 618.0 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	3358	3358	3358	3358	3358
5°	10546	7365	3077	1642	1227
10°	33227	13361	2273	210	0
15°	205488	25443	1373	0	0
20°	450528	49576	440	0	0
25°	566336	57027	0	0	0
30°	626944	44148	0	0	0
35°	617132	25019	0	0	0
40°	469088	6520	0	0	0
45°	190025	2874	0	0	0
50°	21086	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: 190025 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.5
10°-20°	63.8	10.3
20°-30°	223.1	36.1
30°-40°	248.9	40.3
40°-50°	75.2	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°	290.0	46.9
0°-40°	538.9	87.2
0°-60°	616.6	99.8
0°-90°	618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	618.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	61	43	18	10	7	9
15°	1152	143	8	0	0	383
25°	2980	300	0	0	0	1360
35°	2935	119	0	0	0	1762
45°	780	12	0	0	0	674
55°	5	0	1	0	0	17
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°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
2.5°	33.7	34.9	34.3	34.9	34.3	34.3	34.3	34.9	34.3	34.3	34.3
5°	61.0	61.6	61.6	61.0	61.0	62.2	61.0	61.6	59.8	61.0	60.4
7.5°	100.0	98.9	98.9	99.4	99.4	98.3	97.7	96.5	97.7	97.7	95.9
10°	190.0	188.8	185.9	184.7	185.9	185.9	179.9	181.1	181.7	176.4	174.6
12.5°	558.2	554.0	562.3	549.3	541.6	529.2	536.3	512.0	506.7	503.1	494.8
15°	1152.5	1183.8	1170.2	1171.4	1173.8	1144.2	1154.2	1117.5	1086.8	1077.3	1070.8
17.5°	1879.4	1888.8	1876.4	1870.5	1868.1	1853.9	1836.7	1818.4	1794.7	1774.0	1756.8
20°	2458.2	2451.1	2429.8	2432.2	2406.8	2393.7	2378.9	2360.6	2342.2	2312.0	2283.0
21°	2611.0	2590.2	2590.8	2576.6	2576.0	2559.5	2533.4	2514.5	2497.9	2463.6	2445.2
22°	2736.5	2731.7	2721.1	2710.4	2699.2	2690.9	2661.9	2652.4	2618.7	2590.2	2564.2
23°	2834.1	2835.9	2826.4	2819.3	2803.9	2800.4	2763.1	2750.1	2727.0	2683.8	2657.1
24°	2915.2	2912.3	2901.6	2889.2	2880.3	2872.0	2843.6	2822.3	2796.8	2761.3	2735.3
25°	2980.3	2973.2	2966.1	2956.6	2942.4	2933.0	2904.0	2880.3	2858.4	2818.7	2783.2
26°	3018.8	3020.6	3009.3	3002.2	2989.8	2980.3	2950.1	2922.3	2895.1	2852.5	2820.5
27°	3057.9	3056.1	3046.0	3035.4	3022.4	3018.8	2983.9	2954.9	2927.1	2882.1	2844.2
28°	3094.0	3089.2	3081.0	3068.5	3054.3	3043.7	3009.9	2979.7	2949.5	2901.6	2860.2
29°	3124.2	3119.4	3114.1	3098.1	3079.8	3072.7	3036.6	2999.9	2969.7	2920.5	2876.7
30°	3152.6	3143.7	3131.3	3117.7	3099.9	3086.3	3048.4	3016.4	2980.9	2926.5	2884.4
31°	3153.8	3141.9	3133.0	3118.8	3098.7	3082.1	3042.5	3009.9	2968.5	2917.6	2872.0
32°	3133.0	3127.1	3112.9	3097.5	3078.0	3061.4	3017.6	2983.3	2944.2	2889.8	2844.2
33°	3086.3	3080.4	3072.1	3056.1	3030.6	3015.2	2976.2	2938.3	2899.8	2850.7	2798.6
34°	3021.8	3014.7	3004.0	2988.0	2962.0	2946.0	2914.6	2875.6	2834.7	2783.8	2735.3
35°	2935.3	2921.7	2918.8	2895.1	2870.8	2866.7	2829.4	2788.5	2747.1	2690.9	2648.8
36°	2828.2	2812.2	2801.6	2793.3	2777.3	2757.8	2721.1	2688.5	2635.2	2599.1	2539.9
37°	2682.0	2662.5	2672.5	2650.0	2625.2	2616.9	2570.1	2540.5	2495.5	2446.4	2396.1
38°	2511.5	2509.7	2507.4	2497.3	2454.7	2432.8	2413.3	2381.9	2342.8	2283.6	2215.6
39°	2296.1	2299.6	2287.2	2288.4	2267.1	2245.2	2217.9	2182.4	2135.1	2081.2	2026.1
40°	2086.5	2036.2	2045.1	2014.9	2016.7	1984.1	1948.6	1917.2	1887.0	1839.7	1764.5
42.5°	1443.7	1436.0	1409.4	1390.4	1398.7	1356.7	1309.9	1266.1	1224.1	1170.8	1105.1
45°	780.2	762.4	767.7	736.9	736.9	718.0	705.0	668.3	629.2	604.9	567.1
47.5°	290.0	293.6	300.1	287.7	273.5	281.8	269.3	269.3	262.8	255.1	244.5
50°	78.7	79.9	78.7	78.7	76.9	75.8	73.4	72.8	72.2	70.4	67.5
52.5°	32.0	30.2	30.2	30.8	30.8	29.6	30.2	30.2	29.6	29.0	29.0
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°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
2.5°	33.1	29.0	24.3	20.1	16.0	13.6	12.4	13.0
5°	56.2	42.6	27.8	17.8	12.4	9.5	7.7	7.1
7.5°	86.4	58.6	31.4	15.4	9.5	4.7	3.0	2.4
10°	132.6	76.4	33.7	13.0	5.9	1.2	0.0	0.0
12.5°	340.4	93.5	34.3	10.7	2.4	0.0	0.0	0.0
15°	699.7	142.7	33.1	7.7	0.6	0.0	0.0	0.0
17.5°	1163.1	218.4	29.0	5.3	0.0	0.0	0.0	0.0
20°	1613.6	270.5	23.1	2.4	0.0	0.0	0.0	0.0
21°	1749.1	285.9	20.7	1.8	0.0	0.0	0.0	0.0
22°	1859.8	297.1	18.3	1.2	0.0	0.0	0.0	0.0
23°	1952.2	303.1	16.0	0.6	0.0	0.0	0.0	0.0
24°	2016.7	304.2	14.8	0.6	0.0	0.0	0.0	0.0
25°	2047.5	300.1	13.0	0.0	0.0	0.0	0.0	0.0
26°	2059.3	291.8	11.8	0.0	0.0	0.0	0.0	0.0
27°	2050.4	281.2	10.7	0.0	0.0	0.0	0.0	0.0
28°	2034.4	265.2	8.9	0.0	0.0	0.0	0.0	0.0
29°	2003.1	243.9	7.7	0.0	0.0	0.0	0.0	0.0
30°	1972.9	222.0	6.5	0.0	0.0	0.0	0.0	0.0
31°	1938.5	202.4	5.3	0.0	0.0	0.0	0.0	0.0
32°	1896.5	179.9	4.1	0.0	0.0	0.0	0.0	0.0
33°	1826.7	159.2	3.0	0.0	0.0	0.0	0.0	0.0
34°	1729.0	139.7	2.4	0.0	0.0	0.0	0.0	0.0
35°	1598.2	119.0	1.8	0.0	0.0	0.0	0.0	0.0
36°	1454.9	97.1	1.2	0.0	0.0	0.0	0.0	0.0
37°	1279.7	70.4	1.2	0.0	0.0	0.0	0.0	0.0
38°	1096.8	44.4	0.6	0.0	0.0	0.0	0.0	0.0
39°	909.8	33.7	0.6	0.0	0.0	0.0	0.0	0.0
40°	738.7	29.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	395.4	19.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	233.2	11.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	130.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	46.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	18.3	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)