

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: P1326179

Luminaire Tested: LDSQA3D09R25W2N902765DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326179
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

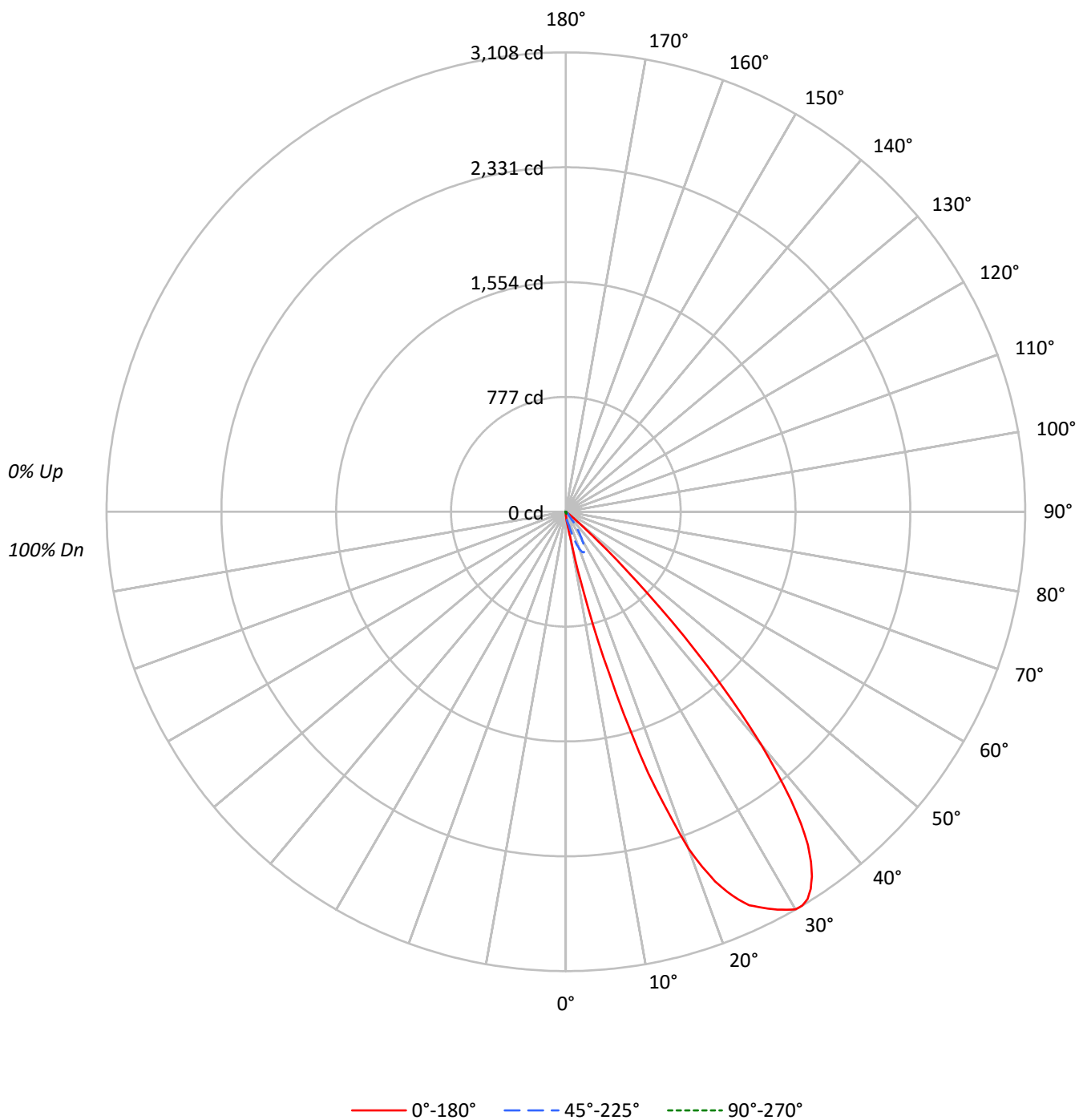
Lumens per Lamp: N/A
Luminaire Lumens: 609.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	3307	3307	3307	3307	3307
5°	10390	7261	3025	1608	1210
10°	32737	13151	2238	210	0
15°	202493	25069	1355	0	0
20°	443985	48861	422	0	0
25°	558089	56191	0	0	0
30°	617816	43492	0	0	0
35°	608155	24641	0	0	0
40°	462254	6430	0	0	0
45°	187249	2850	0	0	0
50°	20791	322	0	0	0
55°	1561	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: 187249 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.5
10°-20°	62.9	10.3
20°-30°	219.9	36.1
30°-40°	245.3	40.3
40°-50°	74.1	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°	285.8	46.9
0°-40°	531.1	87.2
0°-60°	607.7	99.8
0°-90°	609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	609.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	60	42	18	9	7	9
15°	1136	141	8	0	0	378
25°	2937	296	0	0	0	1340
35°	2893	117	0	0	0	1737
45°	769	12	0	0	0	664
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°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
2.5°	33.2	34.4	33.8	34.4	33.8	33.8	33.8	34.4	33.8	33.8	33.8
5°	60.1	60.7	60.7	60.1	60.1	61.2	60.1	60.7	58.9	60.1	59.5
7.5°	98.6	97.4	97.4	98.0	98.0	96.8	96.2	95.1	96.2	96.2	94.5
10°	187.2	186.1	183.2	182.0	183.2	183.2	177.3	178.5	179.1	173.8	172.1
12.5°	550.1	546.0	554.1	541.3	533.7	521.5	528.5	504.6	499.3	495.8	487.6
15°	1135.7	1166.6	1153.2	1154.4	1156.7	1127.5	1137.4	1101.3	1070.9	1061.6	1055.2
17.5°	1852.0	1861.3	1849.1	1843.2	1840.9	1826.9	1810.0	1791.9	1768.6	1748.2	1731.2
20°	2422.5	2415.5	2394.5	2396.8	2371.7	2358.9	2344.3	2326.2	2308.1	2278.4	2249.8
21°	2572.9	2552.5	2553.1	2539.1	2538.5	2522.2	2496.5	2477.9	2461.5	2427.7	2409.6
22°	2696.6	2691.9	2681.4	2670.9	2659.9	2651.7	2623.1	2613.8	2580.5	2552.5	2526.9
23°	2792.8	2794.6	2785.3	2778.3	2763.1	2759.6	2722.9	2710.0	2687.3	2644.7	2618.4
24°	2872.8	2869.8	2859.3	2847.1	2838.3	2830.2	2802.2	2781.2	2756.1	2721.1	2695.4
25°	2936.9	2929.9	2922.9	2913.6	2899.6	2890.3	2861.7	2838.3	2816.8	2777.7	2742.7
26°	2974.8	2976.6	2965.5	2958.5	2946.3	2936.9	2907.2	2879.8	2852.9	2810.9	2779.4
27°	3013.3	3011.6	3001.7	2991.2	2978.3	2974.8	2940.4	2911.8	2884.4	2840.1	2802.8
28°	3048.9	3044.2	3036.1	3023.8	3009.8	2999.3	2966.1	2936.3	2906.6	2859.3	2818.5
29°	3078.7	3074.0	3068.7	3053.0	3034.9	3027.9	2992.3	2956.2	2926.4	2878.0	2834.8
30°	3106.7	3097.9	3085.7	3072.2	3054.7	3041.3	3004.0	2972.5	2937.5	2883.8	2842.4
31°	3107.8	3096.2	3087.4	3073.4	3053.6	3037.2	2998.2	2966.1	2925.3	2875.1	2830.2
32°	3087.4	3081.6	3067.6	3052.4	3033.2	3016.8	2973.7	2939.8	2901.3	2847.7	2802.8
33°	3041.3	3035.5	3027.3	3011.6	2986.5	2971.3	2932.8	2895.5	2857.6	2809.2	2757.8
34°	2977.8	2970.8	2960.3	2944.5	2918.8	2903.1	2872.2	2833.7	2793.4	2743.3	2695.4
35°	2892.6	2879.2	2876.3	2852.9	2829.0	2824.9	2788.2	2747.9	2707.1	2651.7	2610.3
36°	2787.0	2771.3	2760.8	2752.6	2736.8	2717.6	2681.4	2649.4	2596.9	2561.3	2502.9
37°	2642.9	2623.7	2633.6	2611.4	2586.9	2578.8	2532.7	2503.5	2459.2	2410.8	2361.2
38°	2474.9	2473.2	2470.9	2460.9	2419.0	2397.4	2378.1	2347.2	2308.7	2250.4	2183.3
39°	2262.6	2266.1	2253.9	2255.0	2234.0	2212.5	2185.6	2150.6	2104.0	2050.9	1996.6
40°	2056.1	2006.6	2015.3	1985.6	1987.3	1955.2	1920.2	1889.3	1859.6	1812.9	1738.8
42.5°	1422.7	1415.1	1388.8	1370.2	1378.3	1336.9	1290.8	1247.7	1206.3	1153.8	1089.0
45°	768.8	751.3	756.5	726.2	726.2	707.5	694.7	658.5	620.0	596.1	558.8
47.5°	285.8	289.3	295.7	283.5	269.5	277.7	265.4	265.4	259.0	251.4	240.9
50°	77.6	78.7	77.6	77.6	75.8	74.7	72.3	71.7	71.2	69.4	66.5
52.5°	31.5	29.7	29.7	30.3	30.3	29.2	29.7	29.7	29.2	28.6	28.6
55°	5.2	5.8	5.8	5.8	5.8	5.2	5.2	5.8	6.4	5.8	5.8
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°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
2.5°	32.7	28.6	23.9	19.8	15.7	13.4	12.2	12.8
5°	55.4	42.0	27.4	17.5	12.2	9.3	7.6	7.0
7.5°	85.2	57.7	30.9	15.2	9.3	4.7	2.9	2.3
10°	130.7	75.2	33.2	12.8	5.8	1.2	0.0	0.0
12.5°	335.4	92.2	33.8	10.5	2.3	0.0	0.0	0.0
15°	689.5	140.6	32.7	7.6	0.6	0.0	0.0	0.0
17.5°	1146.2	215.2	28.6	5.2	0.0	0.0	0.0	0.0
20°	1590.1	266.6	22.7	2.3	0.0	0.0	0.0	0.0
21°	1723.7	281.7	20.4	1.7	0.0	0.0	0.0	0.0
22°	1832.7	292.8	18.1	1.2	0.0	0.0	0.0	0.0
23°	1923.7	298.7	15.7	0.6	0.0	0.0	0.0	0.0
24°	1987.3	299.8	14.6	0.6	0.0	0.0	0.0	0.0
25°	2017.6	295.7	12.8	0.0	0.0	0.0	0.0	0.0
26°	2029.3	287.6	11.7	0.0	0.0	0.0	0.0	0.0
27°	2020.6	277.1	10.5	0.0	0.0	0.0	0.0	0.0
28°	2004.8	261.3	8.7	0.0	0.0	0.0	0.0	0.0
29°	1973.9	240.3	7.6	0.0	0.0	0.0	0.0	0.0
30°	1944.1	218.7	6.4	0.0	0.0	0.0	0.0	0.0
31°	1910.3	199.5	5.2	0.0	0.0	0.0	0.0	0.0
32°	1868.9	177.3	4.1	0.0	0.0	0.0	0.0	0.0
33°	1800.1	156.9	2.9	0.0	0.0	0.0	0.0	0.0
34°	1703.8	137.7	2.3	0.0	0.0	0.0	0.0	0.0
35°	1574.9	117.2	1.7	0.0	0.0	0.0	0.0	0.0
36°	1433.8	95.7	1.2	0.0	0.0	0.0	0.0	0.0
37°	1261.1	69.4	1.2	0.0	0.0	0.0	0.0	0.0
38°	1080.9	43.7	0.6	0.0	0.0	0.0	0.0	0.0
39°	896.5	33.2	0.6	0.0	0.0	0.0	0.0	0.0
40°	728.0	28.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	389.6	19.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	229.8	11.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	128.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	46.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	6.4	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	1.7	0.6	0.0	0.0	0.0
75°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
77.5°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
80°	0.0	0.6	1.2	1.7	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	1.7	0.6	0.0	0.0	0.0
85°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
87.5°	0.0	0.6	1.2	1.7	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)