

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: P1323734

Luminaire Tested: LDSQA3D09R259030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323734
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: LDSQA3D09R259030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

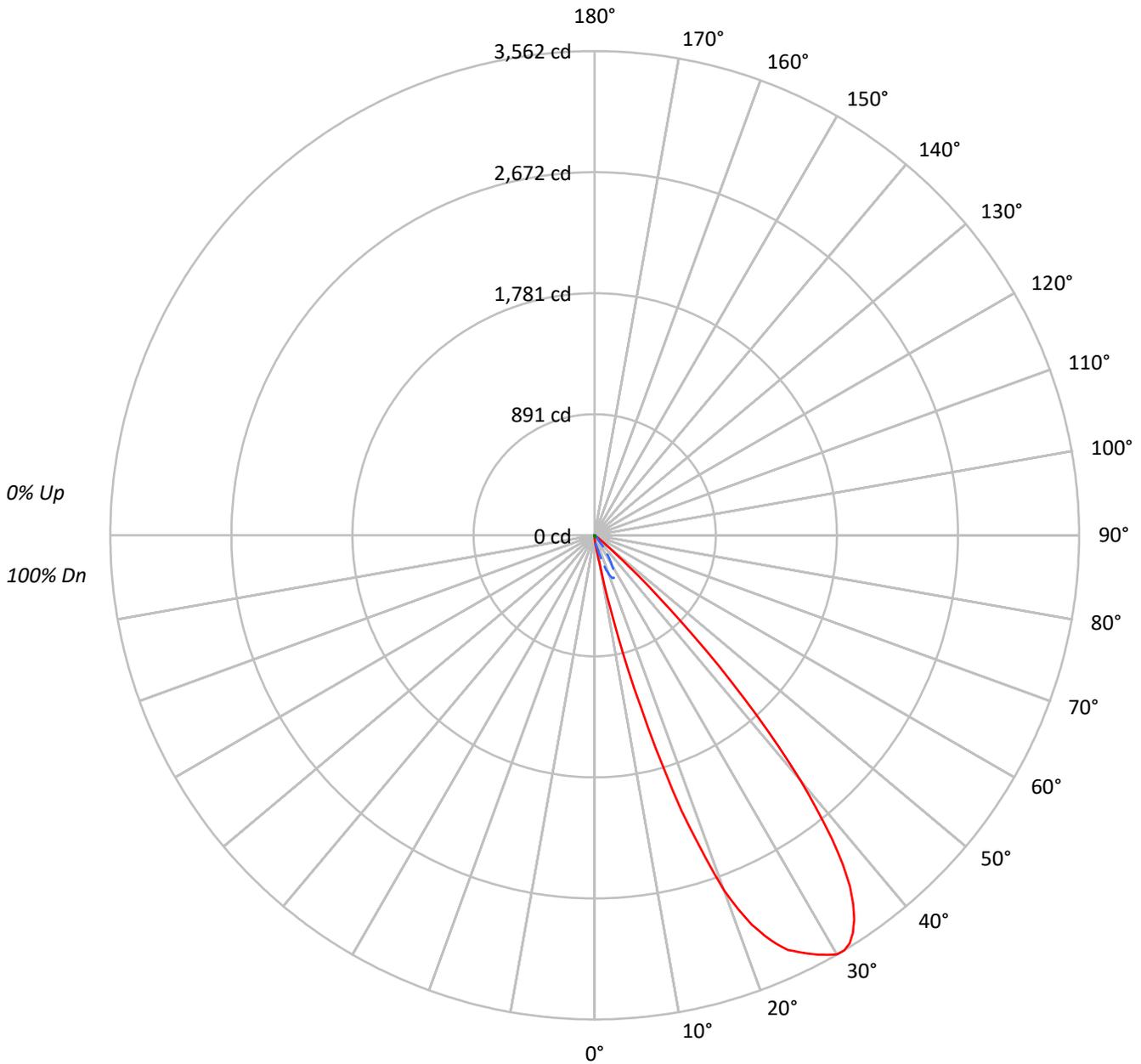
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 698.0 lumens
Efficiency: N/A
Efficacy: 47.5 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): 14.7
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	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	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°	3806	3806	3806	3806	3806
5°	11911	8316	3475	1850	1383
10°	37529	15075	2571	227	0
15°	232091	28724	1551	0	0
20°	508864	55991	495	0	0
25°	639649	64419	0	0	0
30°	708101	49856	0	0	0
35°	697025	28257	0	0	0
40°	529812	7374	0	0	0
45°	214600	3264	0	0	0
50°	23819	348	0	0	0
55°	1802	0	210	0	0
60°	0	0	241	0	0
65°	0	0	530	0	0
70°	0	352	655	0	0
75°	0	466	1331	0	0
80°	0	694	1984	0	0
85°	0	1383	3952	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 214600 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.5
10°-20°	72.1	10.3
20°-30°	252.0	36.1
30°-40°	281.1	40.3
40°-50°	84.9	12.2
50°-60°	2.8	0.4
60°-70°	0.4	0.1
70°-80°	0.6	0.1
80°-90°	0.6	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°	327.6	46.9
0°-40°	608.7	87.2
0°-60°	696.5	99.8
0°-90°	698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	69	48	20	11	8	11
15°	1302	161	9	0	0	433
25°	3366	339	0	0	0	1536
35°	3315	134	0	0	0	1990
45°	881	13	0	0	0	761
55°	6	0	1	0	0	19
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°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
2.5°	38.1	39.4	38.8	39.4	38.8	38.8	38.8	39.4	38.8	38.8	38.8
5°	68.9	69.5	69.5	68.9	68.9	70.2	68.9	69.5	67.5	68.9	68.2
7.5°	113.0	111.6	111.6	112.3	112.3	111.0	110.3	109.0	110.3	110.3	108.3
10°	214.6	213.3	209.9	208.6	209.9	209.9	203.2	204.6	205.2	199.2	197.2
12.5°	630.4	625.8	635.1	620.4	611.7	597.7	605.7	578.3	572.3	568.3	558.9
15°	1301.7	1337.1	1321.7	1323.1	1325.7	1292.3	1303.7	1262.2	1227.4	1216.8	1209.4
17.5°	2122.6	2133.3	2119.3	2112.6	2109.9	2093.9	2074.5	2053.8	2027.0	2003.6	1984.2
20°	2776.5	2768.4	2744.4	2747.1	2718.3	2703.6	2686.9	2666.2	2645.4	2611.3	2578.6
21°	2949.0	2925.6	2926.2	2910.2	2909.5	2890.8	2861.4	2840.0	2821.3	2782.5	2761.8
22°	3090.7	3085.3	3073.3	3061.3	3048.6	3039.2	3006.4	2995.8	2957.6	2925.6	2896.1
23°	3201.0	3203.0	3192.3	3184.3	3166.9	3162.9	3120.8	3106.1	3080.0	3031.2	3001.1
24°	3292.6	3289.2	3277.2	3263.2	3253.1	3243.8	3211.7	3187.6	3158.9	3118.8	3089.3
25°	3366.1	3358.1	3350.1	3339.4	3323.3	3312.6	3279.9	3253.1	3228.4	3183.6	3143.5
26°	3409.6	3411.6	3398.9	3390.9	3376.8	3366.1	3332.0	3300.6	3269.9	3221.7	3185.6
27°	3453.7	3451.7	3440.3	3428.3	3413.6	3409.6	3370.1	3337.4	3306.0	3255.1	3212.4
28°	3494.5	3489.1	3479.8	3465.7	3449.7	3437.7	3399.6	3365.5	3331.4	3277.2	3230.4
29°	3528.6	3523.2	3517.2	3499.2	3478.4	3470.4	3429.6	3388.2	3354.1	3298.6	3249.1
30°	3560.7	3550.6	3536.6	3521.2	3501.2	3485.8	3443.0	3406.9	3366.8	3305.3	3257.8
31°	3562.0	3548.6	3538.6	3522.6	3499.8	3481.1	3436.3	3399.6	3352.8	3295.3	3243.8
32°	3538.6	3531.9	3515.9	3498.5	3476.4	3457.7	3408.2	3369.5	3325.3	3263.8	3212.4
33°	3485.8	3479.1	3469.8	3451.7	3423.0	3405.6	3361.4	3318.7	3275.2	3219.7	3160.9
34°	3412.9	3404.9	3392.9	3374.8	3345.4	3327.4	3291.9	3247.8	3201.7	3144.2	3089.3
35°	3315.3	3299.9	3296.6	3269.9	3242.4	3237.8	3195.6	3149.5	3102.7	3039.2	2991.7
36°	3194.3	3176.3	3164.2	3154.9	3136.8	3114.8	3073.3	3036.5	2976.4	2935.6	2868.7
37°	3029.2	3007.1	3018.5	2993.1	2965.0	2955.6	2902.8	2869.4	2818.6	2763.1	2706.3
38°	2836.6	2834.6	2832.0	2820.6	2772.5	2747.7	2725.7	2690.2	2646.1	2579.2	2502.4
39°	2593.3	2597.3	2583.3	2584.6	2560.5	2535.8	2505.0	2464.9	2411.4	2350.6	2288.4
40°	2356.6	2299.8	2309.8	2275.7	2277.7	2241.0	2200.9	2165.4	2131.3	2077.8	1992.9
42.5°	1630.6	1621.9	1591.8	1570.4	1579.8	1532.3	1479.5	1430.0	1382.6	1322.4	1248.2
45°	881.1	861.1	867.1	832.3	832.3	810.9	796.2	754.8	710.7	683.3	640.5
47.5°	327.6	331.6	339.0	324.9	308.9	318.2	304.2	304.2	296.8	288.1	276.1
50°	88.9	90.3	88.9	88.9	86.9	85.6	82.9	82.2	81.6	79.6	76.2
52.5°	36.1	34.1	34.1	34.8	34.8	33.4	34.1	34.1	33.4	32.8	32.8
55°	6.0	6.7	6.7	6.7	6.7	6.0	6.0	6.7	7.4	6.7	6.7
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°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
2.5°	37.4	32.8	27.4	22.7	18.1	15.4	14.0	14.7
5°	63.5	48.1	31.4	20.1	14.0	10.7	8.7	8.0
7.5°	97.6	66.2	35.4	17.4	10.7	5.3	3.3	2.7
10°	149.8	86.2	38.1	14.7	6.7	1.3	0.0	0.0
12.5°	384.4	105.6	38.8	12.0	2.7	0.0	0.0	0.0
15°	790.2	161.1	37.4	8.7	0.7	0.0	0.0	0.0
17.5°	1313.7	246.7	32.8	6.0	0.0	0.0	0.0	0.0
20°	1822.5	305.5	26.1	2.7	0.0	0.0	0.0	0.0
21°	1975.6	322.9	23.4	2.0	0.0	0.0	0.0	0.0
22°	2100.6	335.6	20.7	1.3	0.0	0.0	0.0	0.0
23°	2204.9	342.3	18.1	0.7	0.0	0.0	0.0	0.0
24°	2277.7	343.6	16.7	0.7	0.0	0.0	0.0	0.0
25°	2312.5	339.0	14.7	0.0	0.0	0.0	0.0	0.0
26°	2325.9	329.6	13.4	0.0	0.0	0.0	0.0	0.0
27°	2315.8	317.6	12.0	0.0	0.0	0.0	0.0	0.0
28°	2297.8	299.5	10.0	0.0	0.0	0.0	0.0	0.0
29°	2262.4	275.4	8.7	0.0	0.0	0.0	0.0	0.0
30°	2228.3	250.7	7.4	0.0	0.0	0.0	0.0	0.0
31°	2189.5	228.6	6.0	0.0	0.0	0.0	0.0	0.0
32°	2142.0	203.2	4.7	0.0	0.0	0.0	0.0	0.0
33°	2063.1	179.8	3.3	0.0	0.0	0.0	0.0	0.0
34°	1952.8	157.8	2.7	0.0	0.0	0.0	0.0	0.0
35°	1805.1	134.4	2.0	0.0	0.0	0.0	0.0	0.0
36°	1643.3	109.6	1.3	0.0	0.0	0.0	0.0	0.0
37°	1445.4	79.6	1.3	0.0	0.0	0.0	0.0	0.0
38°	1238.8	50.1	0.7	0.0	0.0	0.0	0.0	0.0
39°	1027.6	38.1	0.7	0.0	0.0	0.0	0.0	0.0
40°	834.3	32.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	446.6	22.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	263.4	13.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	147.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	52.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	7.4	0.0	0.0	0.7	0.0	0.0	0.0	0.0
57.5°	0.7	0.0	0.7	0.7	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.3	1.3	0.7	0.0	0.0	0.0
67.5°	0.0	0.7	1.3	1.3	0.7	0.0	0.0	0.0
70°	0.0	0.7	1.3	1.3	0.7	0.0	0.0	0.0
72.5°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
75°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
77.5°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
80°	0.0	0.7	1.3	2.0	0.7	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	0.7	1.3	2.0	0.7	0.0	0.0	0.0
85°	0.0	0.7	1.3	2.0	0.7	0.0	0.0	0.0
87.5°	0.0	0.7	1.3	2.0	0.7	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)