

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: P1327698

Luminaire Tested: LDSQA3D13R25W2N902750DE010 3LSQCA30R 1MMS\_2700K

Issue Date: 1/29/2026

**Test Information**

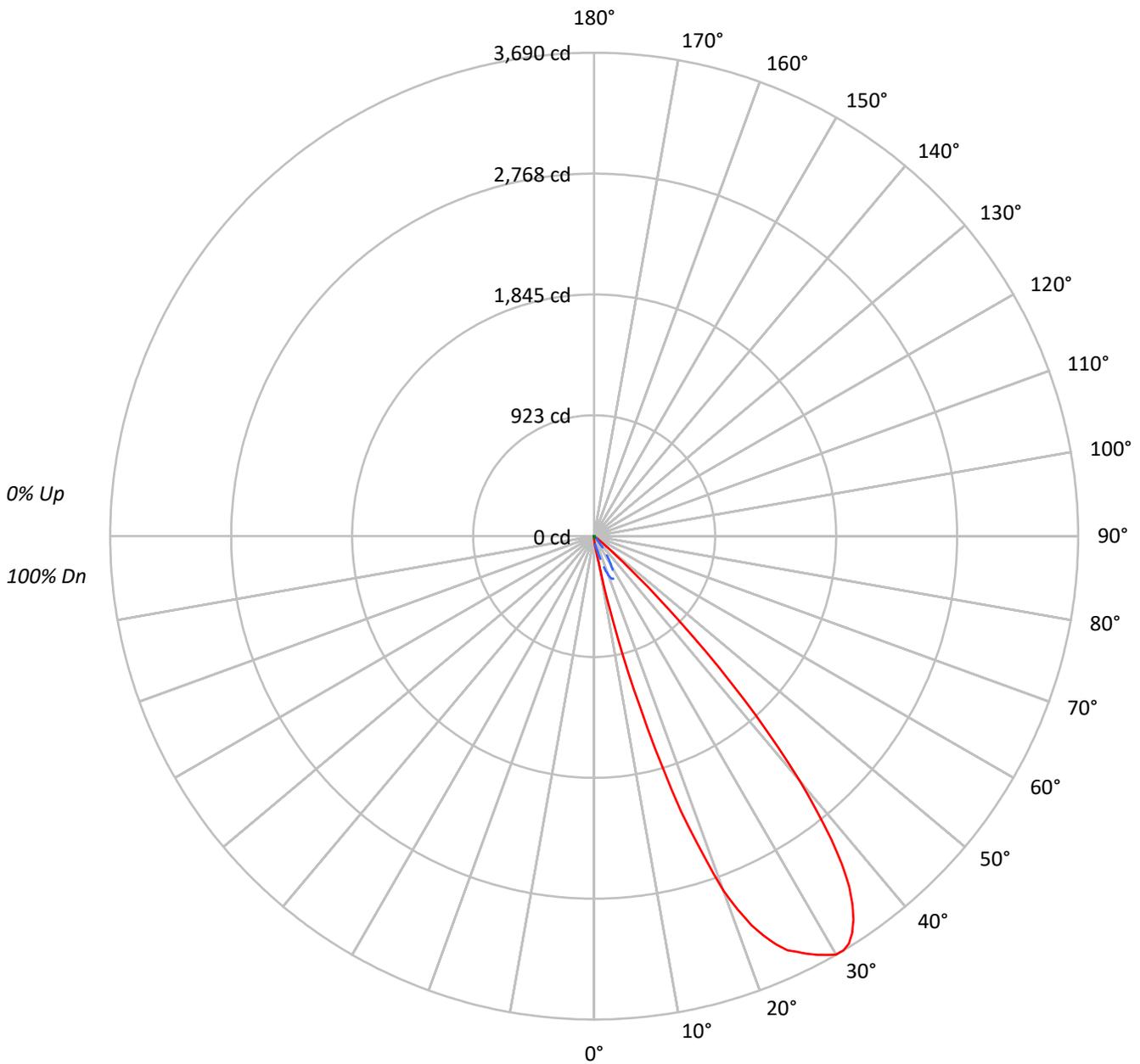
Test Method: LM-79-2019  
Report Number: P1327698  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R25W2N902750DE010 3LSQCA30R 1MMS\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 723.0 lumens  
Efficiency: N/A  
Efficacy: 58.8 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): 12.3  
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	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°	3944	3944	3944	3944	3944
5°	12326	8627	3596	1919	1435
10°	38876	15617	2658	245	0
15°	240399	29758	1605	0	0
20°	527082	58007	513	0	0
25°	662566	66718	0	0	0
30°	733456	51645	0	0	0
35°	722002	29266	0	0	0
40°	548787	7621	0	0	0
45°	222297	3361	0	0	0
50°	24676	375	0	0	0
55°	1862	0	210	0	0
60°	0	0	241	0	0
65°	0	0	571	0	0
70°	0	352	705	0	0
75°	0	466	1397	0	0
80°	0	694	2083	0	0
85°	0	1383	4150	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 222297 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.6	0.5
10°-20°	74.7	10.3
20°-30°	261.0	36.1
30°-40°	291.2	40.3
40°-50°	87.9	12.2
50°-60°	2.9	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°	339.3	46.9
0°-40°	630.5	87.2
0°-60°	721.4	99.8
0°-90°	723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	723.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	71	50	21	11	8	11
15°	1348	167	9	0	0	448
25°	3487	351	0	0	0	1591
35°	3434	139	0	0	0	2062
45°	913	14	0	0	0	788
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°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
2.5°	39.5	40.9	40.2	40.9	40.2	40.2	40.2	40.9	40.2	40.2	40.2
5°	71.3	72.0	72.0	71.3	71.3	72.7	71.3	72.0	69.9	71.3	70.6
7.5°	117.0	115.6	115.6	116.3	116.3	115.0	114.3	112.9	114.3	114.3	112.2
10°	222.3	220.9	217.4	216.1	217.4	217.4	210.5	211.9	212.6	206.4	204.3
12.5°	653.0	648.2	657.9	642.6	633.6	619.1	627.4	599.0	592.8	588.6	578.9
15°	1348.3	1385.0	1369.1	1370.4	1373.2	1338.6	1350.4	1307.4	1271.4	1260.3	1252.7
17.5°	2198.7	2209.7	2195.2	2188.3	2185.5	2168.9	2148.8	2127.3	2099.6	2075.4	2055.3
20°	2875.9	2867.6	2842.7	2845.4	2815.7	2800.4	2783.1	2761.7	2740.2	2704.9	2670.9
21°	3054.6	3030.3	3031.0	3014.4	3013.7	2994.3	2963.9	2941.7	2922.3	2882.1	2860.7
22°	3201.4	3195.8	3183.4	3170.9	3157.8	3148.1	3114.1	3103.1	3063.6	3030.3	2999.9
23°	3315.6	3317.7	3306.6	3298.3	3280.3	3276.2	3232.5	3217.3	3190.3	3139.8	3108.6
24°	3410.5	3407.1	3394.6	3380.0	3369.7	3360.0	3326.7	3301.8	3272.0	3230.5	3200.0
25°	3486.7	3478.4	3470.1	3459.0	3442.4	3431.3	3397.4	3369.7	3344.0	3297.6	3256.1
26°	3531.7	3533.8	3520.6	3512.3	3497.8	3486.7	3451.4	3418.8	3387.0	3337.1	3299.7
27°	3577.4	3575.3	3563.6	3551.1	3535.9	3531.7	3490.8	3456.9	3424.4	3371.7	3327.4
28°	3619.6	3614.1	3604.4	3589.9	3573.3	3560.8	3521.3	3486.0	3450.7	3394.6	3346.1
29°	3655.0	3649.4	3643.2	3624.5	3603.0	3594.7	3552.5	3509.5	3474.2	3416.7	3365.5
30°	3688.2	3677.8	3663.3	3647.3	3626.6	3610.6	3566.3	3528.9	3487.4	3423.7	3374.5
31°	3689.6	3675.7	3665.4	3648.7	3625.2	3605.8	3559.4	3521.3	3472.8	3413.3	3360.0
32°	3665.4	3658.4	3641.8	3623.8	3601.0	3581.6	3530.3	3490.2	3444.4	3380.7	3327.4
33°	3610.6	3603.7	3594.0	3575.3	3545.6	3527.5	3481.8	3437.5	3392.5	3335.0	3274.1
34°	3535.2	3526.9	3514.4	3495.7	3465.2	3446.5	3409.8	3364.1	3316.3	3256.8	3200.0
35°	3434.1	3418.1	3414.7	3387.0	3358.6	3353.7	3310.1	3262.3	3213.8	3148.1	3098.9
36°	3308.7	3290.0	3277.6	3267.9	3249.2	3226.3	3183.4	3145.3	3083.0	3040.7	2971.5
37°	3137.7	3114.8	3126.6	3100.3	3071.2	3061.5	3006.8	2972.2	2919.5	2862.1	2803.2
38°	2938.2	2936.2	2933.4	2921.6	2871.8	2846.1	2823.3	2786.6	2740.9	2671.6	2592.0
39°	2686.2	2690.3	2675.8	2677.2	2652.2	2626.6	2594.8	2553.2	2497.8	2434.8	2370.4
40°	2441.0	2382.2	2392.6	2357.2	2359.3	2321.2	2279.7	2243.0	2207.7	2152.3	2064.3
42.5°	1689.0	1680.0	1648.8	1626.7	1636.4	1587.2	1532.5	1481.2	1432.1	1369.7	1292.9
45°	912.7	891.9	898.2	862.2	862.2	840.0	824.8	781.8	736.1	707.7	663.4
47.5°	339.3	343.5	351.1	336.6	319.9	329.6	315.1	315.1	307.5	298.5	286.0
50°	92.1	93.5	92.1	92.1	90.0	88.6	85.9	85.2	84.5	82.4	78.9
52.5°	37.4	35.3	35.3	36.0	36.0	34.6	35.3	35.3	34.6	33.9	33.9
55°	6.2	6.9	6.9	6.9	6.9	6.2	6.2	6.9	7.6	6.9	6.9
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°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
2.5°	38.8	33.9	28.4	23.5	18.7	15.9	14.5	15.2
5°	65.8	49.9	32.5	20.8	14.5	11.1	9.0	8.3
7.5°	101.1	68.6	36.7	18.0	11.1	5.5	3.5	2.8
10°	155.1	89.3	39.5	15.2	6.9	1.4	0.0	0.0
12.5°	398.2	109.4	40.2	12.5	2.8	0.0	0.0	0.0
15°	818.5	166.9	38.8	9.0	0.7	0.0	0.0	0.0
17.5°	1360.7	255.5	33.9	6.2	0.0	0.0	0.0	0.0
20°	1887.7	316.5	27.0	2.8	0.0	0.0	0.0	0.0
21°	2046.3	334.5	24.2	2.1	0.0	0.0	0.0	0.0
22°	2175.8	347.6	21.5	1.4	0.0	0.0	0.0	0.0
23°	2283.8	354.6	18.7	0.7	0.0	0.0	0.0	0.0
24°	2359.3	355.9	17.3	0.7	0.0	0.0	0.0	0.0
25°	2395.3	351.1	15.2	0.0	0.0	0.0	0.0	0.0
26°	2409.2	341.4	13.8	0.0	0.0	0.0	0.0	0.0
27°	2398.8	328.9	12.5	0.0	0.0	0.0	0.0	0.0
28°	2380.1	310.2	10.4	0.0	0.0	0.0	0.0	0.0
29°	2343.4	285.3	9.0	0.0	0.0	0.0	0.0	0.0
30°	2308.1	259.7	7.6	0.0	0.0	0.0	0.0	0.0
31°	2267.9	236.8	6.2	0.0	0.0	0.0	0.0	0.0
32°	2218.7	210.5	4.8	0.0	0.0	0.0	0.0	0.0
33°	2137.0	186.3	3.5	0.0	0.0	0.0	0.0	0.0
34°	2022.8	163.4	2.8	0.0	0.0	0.0	0.0	0.0
35°	1869.7	139.2	2.1	0.0	0.0	0.0	0.0	0.0
36°	1702.1	113.6	1.4	0.0	0.0	0.0	0.0	0.0
37°	1497.2	82.4	1.4	0.0	0.0	0.0	0.0	0.0
38°	1283.2	51.9	0.7	0.0	0.0	0.0	0.0	0.0
39°	1064.4	39.5	0.7	0.0	0.0	0.0	0.0	0.0
40°	864.2	33.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	462.6	22.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	272.8	13.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	152.3	5.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	54.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	7.6	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	1.4	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.4	1.4	0.7	0.0	0.0	0.0
67.5°	0.0	0.7	1.4	1.4	0.7	0.0	0.0	0.0
70°	0.0	0.7	1.4	1.4	0.7	0.0	0.0	0.0
72.5°	0.0	0.7	1.4	2.1	0.7	0.0	0.0	0.0
75°	0.0	0.7	1.4	2.1	0.7	0.0	0.0	0.0
77.5°	0.0	0.7	1.4	2.1	0.7	0.0	0.0	0.0
80°	0.0	0.7	1.4	2.1	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	1.4	2.1	0.7	0.0	0.0	0.0
85°	0.0	0.7	1.4	2.1	0.7	0.0	0.0	0.0
87.5°	0.0	0.7	1.4	2.1	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)