

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: P1327699

Luminaire Tested: LDSQA3D13R25W2N902750DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327699
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

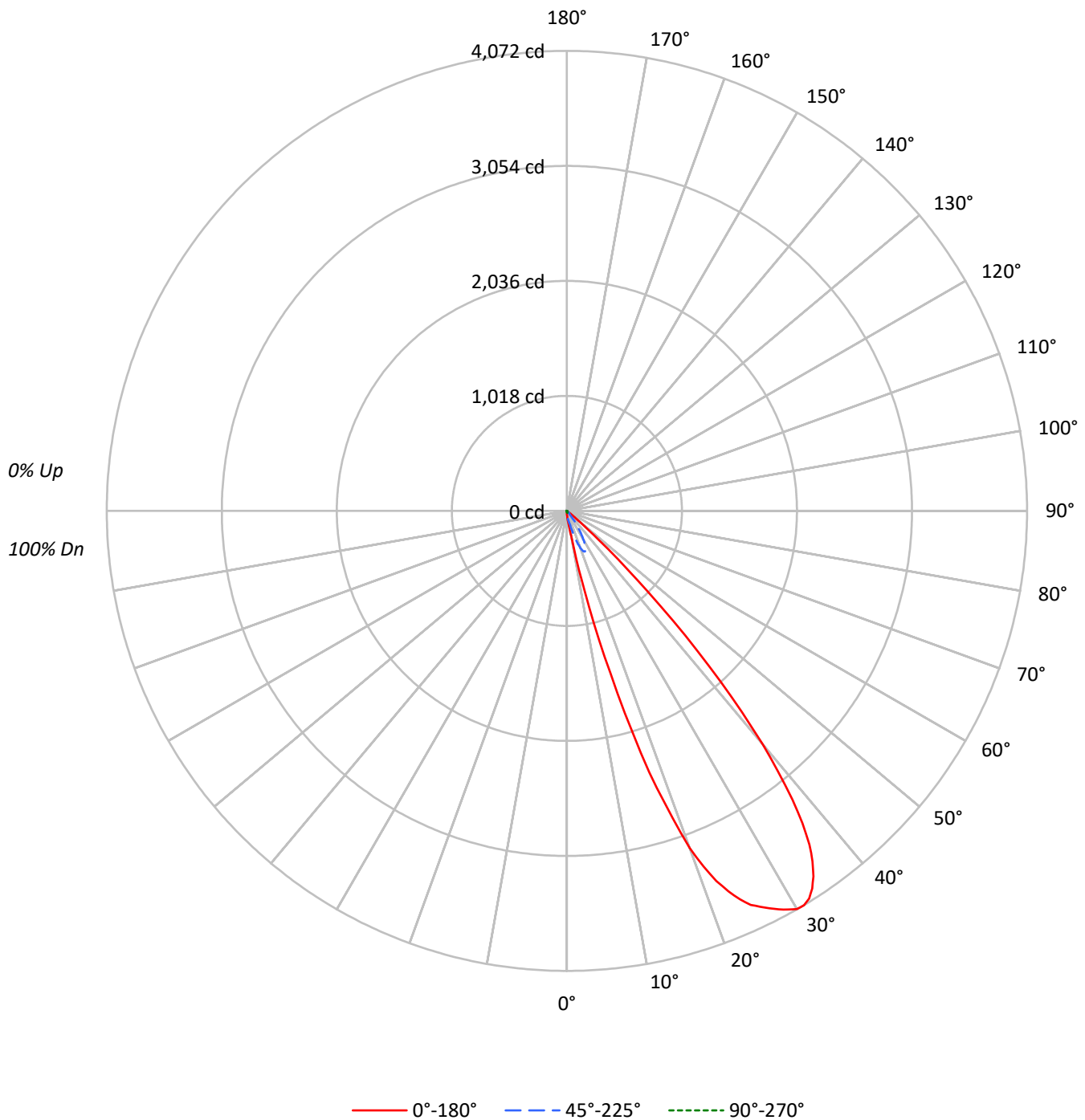
Lumens per Lamp: N/A
Luminaire Lumens: 798.0 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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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°	4340	4340	4340	4340	4340
5°	13606	9508	3959	2109	1591
10°	42898	17243	2938	262	0
15°	265325	32842	1765	0	0
20°	581753	64018	568	0	0
25°	731299	73635	0	0	0
30°	809542	56995	0	0	0
35°	796892	32294	0	0	0
40°	605712	8431	0	0	0
45°	245362	3726	0	0	0
50°	27249	402	0	0	0
55°	2072	0	240	0	0
60°	0	0	276	0	0
65°	0	0	611	0	0
70°	0	403	755	0	0
75°	0	532	1530	0	0
80°	0	793	2281	0	0
85°	0	1581	4545	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 245362 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.5
10°-20°	82.4	10.3
20°-30°	288.1	36.1
30°-40°	321.4	40.3
40°-50°	97.1	12.2
50°-60°	3.2	0.4
60°-70°	0.4	0.1
70°-80°	0.7	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°	374.5	46.9
0°-40°	695.9	87.2
0°-60°	796.2	99.8
0°-90°	798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	798.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	79	55	23	12	9	12
15°	1488	184	10	0	0	495
25°	3848	388	0	0	0	1756
35°	3790	154	0	0	0	2275
45°	1007	15	0	0	0	870
55°	7	0	1	0	0	21
65°	0	0	2	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°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
2.5°	43.6	45.1	44.3	45.1	44.3	44.3	44.3	45.1	44.3	44.3	44.3
5°	78.7	79.5	79.5	78.7	78.7	80.3	78.7	79.5	77.2	78.7	78.0
7.5°	129.2	127.6	127.6	128.4	128.4	126.9	126.1	124.6	126.1	126.1	123.8
10°	245.3	243.8	240.0	238.5	240.0	240.0	232.4	233.9	234.6	227.8	225.5
12.5°	720.8	715.4	726.1	709.3	699.4	683.3	692.5	661.1	654.3	649.7	639.0
15°	1488.1	1528.7	1511.1	1512.6	1515.7	1477.4	1490.4	1443.0	1403.3	1391.1	1382.7
17.5°	2426.7	2439.0	2422.9	2415.3	2412.2	2393.9	2371.7	2348.0	2317.4	2290.7	2268.5
20°	3174.2	3165.1	3137.6	3140.6	3107.7	3090.9	3071.8	3048.1	3024.4	2985.5	2948.0
21°	3371.4	3344.7	3345.5	3327.1	3326.3	3304.9	3271.3	3246.9	3225.5	3181.1	3157.4
22°	3533.5	3527.4	3513.6	3499.8	3485.3	3474.6	3437.2	3424.9	3381.4	3344.7	3311.1
23°	3659.6	3661.9	3649.7	3640.5	3620.6	3616.0	3567.9	3551.1	3521.2	3465.5	3431.1
24°	3764.3	3760.5	3746.7	3730.7	3719.2	3708.5	3671.8	3644.3	3611.4	3565.6	3531.9
25°	3848.4	3839.2	3830.0	3817.8	3799.5	3787.2	3749.8	3719.2	3690.9	3639.7	3593.9
26°	3898.1	3900.4	3885.8	3876.7	3860.6	3848.4	3809.4	3773.5	3738.3	3683.3	3642.0
27°	3948.5	3946.2	3933.2	3919.5	3902.6	3898.1	3853.0	3815.5	3779.6	3721.5	3672.6
28°	3995.1	3989.0	3978.3	3962.3	3943.9	3930.2	3886.6	3847.6	3808.6	3746.7	3693.2
29°	4034.1	4028.0	4021.1	4000.5	3976.8	3967.6	3921.0	3873.6	3834.6	3771.2	3714.6
30°	4070.8	4059.3	4043.3	4025.7	4002.8	3985.2	3936.3	3895.0	3849.1	3778.8	3724.6
31°	4072.3	4057.0	4045.6	4027.2	4001.2	3979.8	3928.6	3886.6	3833.1	3767.4	3708.5
32°	4045.6	4037.9	4019.6	3999.7	3974.5	3953.1	3896.5	3852.2	3801.8	3731.4	3672.6
33°	3985.2	3977.6	3966.9	3946.2	3913.3	3893.5	3843.0	3794.1	3744.4	3681.0	3613.7
34°	3901.9	3892.7	3879.0	3858.3	3824.7	3804.0	3763.5	3713.1	3660.4	3594.6	3531.9
35°	3790.3	3772.7	3768.9	3738.3	3707.0	3701.6	3653.5	3600.7	3547.2	3474.6	3420.4
36°	3651.9	3631.3	3617.6	3606.9	3586.2	3561.0	3513.6	3471.6	3402.8	3356.2	3279.7
37°	3463.2	3437.9	3450.9	3421.9	3389.8	3379.1	3318.7	3280.5	3222.4	3159.0	3094.0
38°	3243.0	3240.7	3237.7	3224.7	3169.7	3141.4	3116.2	3075.6	3025.2	2948.8	2860.9
39°	2964.8	2969.4	2953.4	2954.9	2927.4	2899.1	2863.9	2818.1	2756.9	2687.4	2616.3
40°	2694.2	2629.3	2640.7	2601.8	2604.1	2562.0	2516.2	2475.7	2436.7	2375.5	2278.5
42.5°	1864.2	1854.3	1819.9	1795.4	1806.1	1751.8	1691.5	1634.9	1580.6	1511.8	1427.0
45°	1007.4	984.5	991.3	951.6	951.6	927.1	910.3	862.9	812.5	781.1	732.2
47.5°	374.5	379.1	387.5	371.5	353.1	363.8	347.8	347.8	339.4	329.4	315.7
50°	101.7	103.2	101.7	101.7	99.4	97.8	94.8	94.0	93.2	91.0	87.1
52.5°	41.3	39.0	39.0	39.7	39.7	38.2	39.0	39.0	38.2	37.5	37.5
55°	6.9	7.6	7.6	7.6	7.6	6.9	6.9	7.6	8.4	7.6	7.6
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°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
2.5°	42.8	37.5	31.3	26.0	20.6	17.6	16.1	16.8
5°	72.6	55.0	35.9	22.9	16.1	12.2	9.9	9.2
7.5°	111.6	75.7	40.5	19.9	12.2	6.1	3.8	3.1
10°	171.2	98.6	43.6	16.8	7.6	1.5	0.0	0.0
12.5°	439.5	120.8	44.3	13.8	3.1	0.0	0.0	0.0
15°	903.4	184.2	42.8	9.9	0.8	0.0	0.0	0.0
17.5°	1501.9	282.0	37.5	6.9	0.0	0.0	0.0	0.0
20°	2083.6	349.3	29.8	3.1	0.0	0.0	0.0	0.0
21°	2258.6	369.2	26.8	2.3	0.0	0.0	0.0	0.0
22°	2401.5	383.7	23.7	1.5	0.0	0.0	0.0	0.0
23°	2520.7	391.3	20.6	0.8	0.0	0.0	0.0	0.0
24°	2604.1	392.9	19.1	0.8	0.0	0.0	0.0	0.0
25°	2643.8	387.5	16.8	0.0	0.0	0.0	0.0	0.0
26°	2659.1	376.8	15.3	0.0	0.0	0.0	0.0	0.0
27°	2647.6	363.1	13.8	0.0	0.0	0.0	0.0	0.0
28°	2627.0	342.4	11.5	0.0	0.0	0.0	0.0	0.0
29°	2586.5	314.9	9.9	0.0	0.0	0.0	0.0	0.0
30°	2547.5	286.6	8.4	0.0	0.0	0.0	0.0	0.0
31°	2503.2	261.4	6.9	0.0	0.0	0.0	0.0	0.0
32°	2448.9	232.4	5.4	0.0	0.0	0.0	0.0	0.0
33°	2358.7	205.6	3.8	0.0	0.0	0.0	0.0	0.0
34°	2232.6	180.4	3.1	0.0	0.0	0.0	0.0	0.0
35°	2063.7	153.6	2.3	0.0	0.0	0.0	0.0	0.0
36°	1878.7	125.3	1.5	0.0	0.0	0.0	0.0	0.0
37°	1652.5	91.0	1.5	0.0	0.0	0.0	0.0	0.0
38°	1416.3	57.3	0.8	0.0	0.0	0.0	0.0	0.0
39°	1174.8	43.6	0.8	0.0	0.0	0.0	0.0	0.0
40°	953.9	37.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	510.6	25.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	301.1	15.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	168.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	60.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8.4	0.0	0.0	0.8	0.0	0.0	0.0	0.0
57.5°	0.8	0.0	0.8	0.8	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.8	1.5	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.5	1.5	0.8	0.0	0.0	0.0
67.5°	0.0	0.8	1.5	1.5	0.8	0.0	0.0	0.0
70°	0.0	0.8	1.5	1.5	0.8	0.0	0.0	0.0
72.5°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
75°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
77.5°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
80°	0.0	0.8	1.5	2.3	0.8	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	0.8	1.5	2.3	0.8	0.0	0.0	0.0
85°	0.0	0.8	1.5	2.3	0.8	0.0	0.0	0.0
87.5°	0.0	0.8	1.5	2.3	0.8	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)