

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: P1327700

Luminaire Tested: LDSQA3D13R25W2N902750DE010 3LSQCA30R 1MMS_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327700
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_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

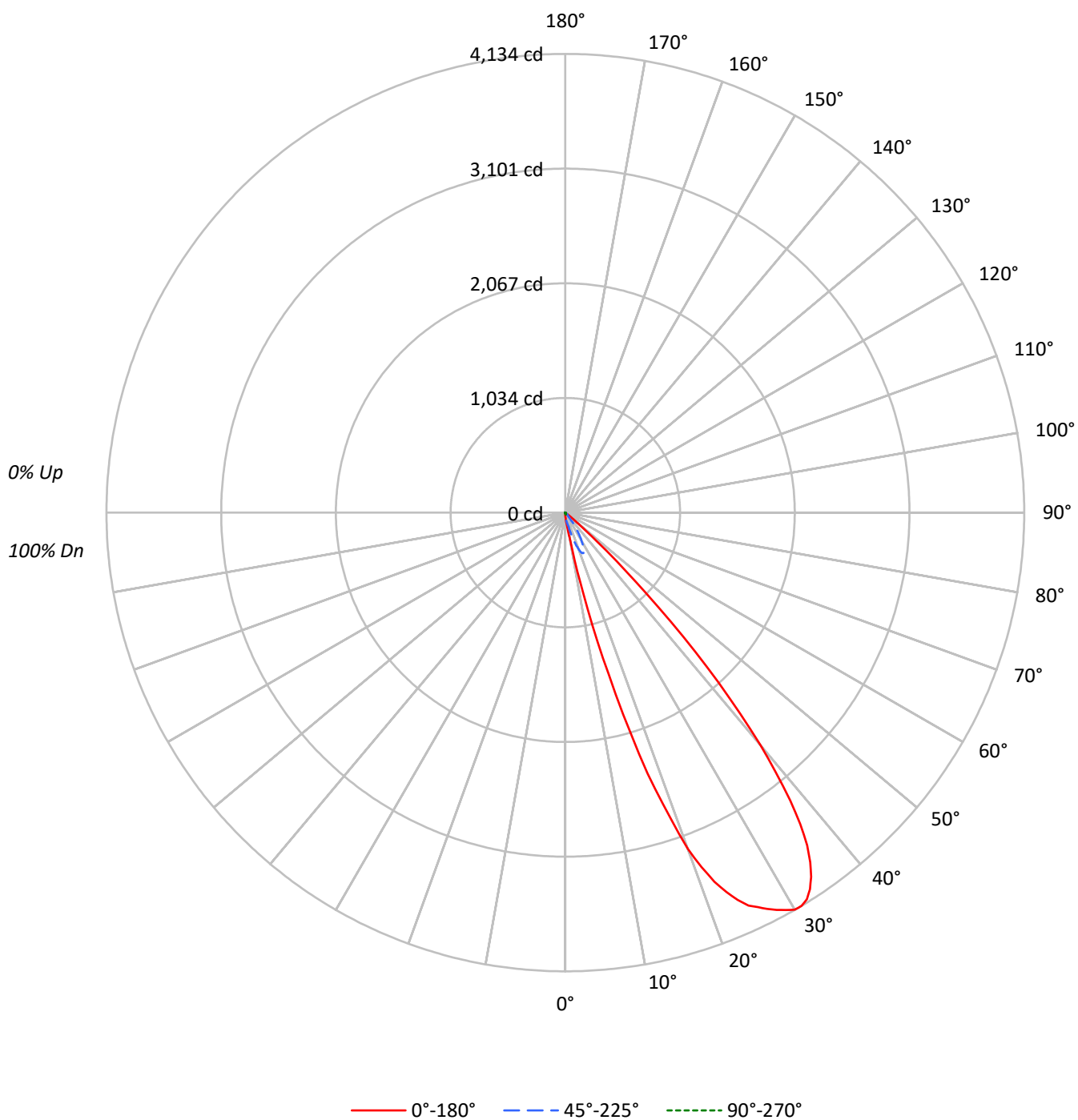
Lumens per Lamp: N/A
Luminaire Lumens: 810.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	4409	4409	4409	4409	4409
5°	13813	9664	4028	2144	1608
10°	43545	17505	2990	280	0
15°	269319	33342	1801	0	0
20°	590514	64971	568	0	0
25°	742301	74737	0	0	0
30°	821713	57850	0	0	0
35°	808876	32777	0	0	0
40°	614840	8543	0	0	0
45°	249040	3775	0	0	0
50°	27650	429	0	0	0
55°	2102	0	240	0	0
60°	0	0	276	0	0
65°	0	0	652	0	0
70°	0	403	806	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: 249040 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.5
10°-20°	83.7	10.3
20°-30°	292.5	36.1
30°-40°	326.3	40.3
40°-50°	98.5	12.2
50°-60°	3.3	0.4
60°-70°	0.4	0.1
70°-80°	0.7	0.1
80°-90°	0.7	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°	380.1	46.9
0°-40°	706.4	87.2
0°-60°	808.2	99.8
0°-90°	810.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	810.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	80	56	23	12	9	12
15°	1510	187	10	0	0	502
25°	3906	393	0	0	0	1782
35°	3847	156	0	0	0	2310
45°	1022	16	0	0	0	883
55°	7	0	1	0	0	22
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°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
2.5°	44.2	45.8	45.0	45.8	45.0	45.0	45.0	45.8	45.0	45.0	45.0
5°	79.9	80.7	80.7	79.9	79.9	81.5	79.9	80.7	78.4	79.9	79.1
7.5°	131.1	129.6	129.6	130.3	130.3	128.8	128.0	126.5	128.0	128.0	125.7
10°	249.0	247.5	243.6	242.1	243.6	243.6	235.8	237.4	238.2	231.2	228.9
12.5°	731.6	726.2	737.0	720.0	709.9	693.6	702.9	671.1	664.1	659.4	648.6
15°	1510.5	1551.6	1533.8	1535.3	1538.4	1499.7	1512.8	1464.7	1424.4	1412.0	1403.5
17.5°	2463.2	2475.6	2459.3	2451.6	2448.5	2429.9	2407.4	2383.3	2352.3	2325.1	2302.6
20°	3222.0	3212.7	3184.7	3187.8	3154.5	3137.4	3118.0	3094.0	3069.9	3030.4	2992.3
21°	3422.1	3395.0	3395.8	3377.1	3376.4	3354.6	3320.5	3295.7	3274.0	3229.0	3204.9
22°	3586.6	3580.4	3566.4	3552.5	3537.7	3526.9	3488.9	3476.4	3432.2	3395.0	3360.8
23°	3714.6	3717.0	3704.5	3695.2	3675.1	3670.4	3621.5	3604.5	3574.2	3517.6	3482.7
24°	3820.9	3817.0	3803.1	3786.8	3775.1	3764.3	3727.0	3699.1	3665.7	3619.2	3585.1
25°	3906.3	3896.9	3887.6	3875.2	3856.6	3844.2	3806.2	3775.1	3746.4	3694.5	3647.9
26°	3956.7	3959.0	3944.3	3935.0	3918.7	3906.3	3866.7	3830.2	3794.5	3738.7	3696.8
27°	4007.9	4005.6	3992.4	3978.4	3961.3	3956.7	3910.9	3872.9	3836.4	3777.5	3727.8
28°	4055.2	4049.0	4038.1	4021.8	4003.2	3989.3	3945.0	3905.5	3865.9	3803.1	3748.8
29°	4094.8	4088.6	4081.6	4060.6	4036.6	4027.3	3980.0	3931.9	3892.3	3827.9	3770.5
30°	4132.0	4120.4	4104.1	4086.2	4063.0	4045.1	3995.5	3953.6	3907.0	3835.7	3780.6
31°	4133.6	4118.0	4106.4	4087.8	4061.4	4039.7	3987.7	3945.0	3890.7	3824.0	3764.3
32°	4106.4	4098.7	4080.0	4059.9	4034.3	4012.5	3955.1	3910.1	3858.9	3787.6	3727.8
33°	4045.1	4037.4	4026.5	4005.6	3972.2	3952.0	3900.8	3851.2	3800.7	3736.3	3668.1
34°	3960.6	3951.2	3937.3	3916.3	3882.2	3861.3	3820.1	3768.9	3715.4	3648.7	3585.1
35°	3847.3	3829.4	3825.6	3794.5	3762.7	3757.3	3708.4	3654.9	3600.6	3526.9	3471.8
36°	3706.9	3685.9	3672.0	3661.1	3640.1	3614.5	3566.4	3523.8	3453.9	3406.6	3329.0
37°	3515.2	3489.6	3502.8	3473.3	3440.8	3429.9	3368.6	3329.8	3270.9	3206.5	3140.5
38°	3291.8	3289.5	3286.4	3273.2	3217.3	3188.6	3163.0	3121.9	3070.7	2993.1	2903.9
39°	3009.4	3014.1	2997.8	2999.3	2971.4	2942.7	2907.0	2860.4	2798.4	2727.8	2655.6
40°	2734.8	2668.8	2680.5	2640.9	2643.2	2600.5	2554.0	2512.9	2473.3	2411.2	2312.7
42.5°	1892.2	1882.1	1847.2	1822.4	1833.3	1778.2	1716.9	1659.5	1604.4	1534.6	1448.5
45°	1022.5	999.3	1006.2	965.9	965.9	941.1	924.0	875.9	824.7	792.9	743.2
47.5°	380.2	384.8	393.3	377.0	358.4	369.3	353.0	353.0	344.5	334.4	320.4
50°	103.2	104.7	103.2	103.2	100.9	99.3	96.2	95.4	94.6	92.3	88.4
52.5°	41.9	39.6	39.6	40.3	40.3	38.8	39.6	39.6	38.8	38.0	38.0
55°	7.0	7.8	7.8	7.8	7.8	7.0	7.0	7.8	8.5	7.8	7.8
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°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
2.5°	43.4	38.0	31.8	26.4	20.9	17.8	16.3	17.1
5°	73.7	55.9	36.5	23.3	16.3	12.4	10.1	9.3
7.5°	113.3	76.8	41.1	20.2	12.4	6.2	3.9	3.1
10°	173.8	100.1	44.2	17.1	7.8	1.6	0.0	0.0
12.5°	446.1	122.6	45.0	14.0	3.1	0.0	0.0	0.0
15°	917.0	187.0	43.4	10.1	0.8	0.0	0.0	0.0
17.5°	1524.5	286.3	38.0	7.0	0.0	0.0	0.0	0.0
20°	2114.9	354.5	30.3	3.1	0.0	0.0	0.0	0.0
21°	2292.5	374.7	27.2	2.3	0.0	0.0	0.0	0.0
22°	2437.6	389.5	24.1	1.6	0.0	0.0	0.0	0.0
23°	2558.7	397.2	20.9	0.8	0.0	0.0	0.0	0.0
24°	2643.2	398.8	19.4	0.8	0.0	0.0	0.0	0.0
25°	2683.6	393.3	17.1	0.0	0.0	0.0	0.0	0.0
26°	2699.1	382.5	15.5	0.0	0.0	0.0	0.0	0.0
27°	2687.4	368.5	14.0	0.0	0.0	0.0	0.0	0.0
28°	2666.5	347.6	11.6	0.0	0.0	0.0	0.0	0.0
29°	2625.4	319.6	10.1	0.0	0.0	0.0	0.0	0.0
30°	2585.8	290.9	8.5	0.0	0.0	0.0	0.0	0.0
31°	2540.8	265.3	7.0	0.0	0.0	0.0	0.0	0.0
32°	2485.7	235.8	5.4	0.0	0.0	0.0	0.0	0.0
33°	2394.2	208.7	3.9	0.0	0.0	0.0	0.0	0.0
34°	2266.2	183.1	3.1	0.0	0.0	0.0	0.0	0.0
35°	2094.7	155.9	2.3	0.0	0.0	0.0	0.0	0.0
36°	1907.0	127.2	1.6	0.0	0.0	0.0	0.0	0.0
37°	1677.3	92.3	1.6	0.0	0.0	0.0	0.0	0.0
38°	1437.6	58.2	0.8	0.0	0.0	0.0	0.0	0.0
39°	1192.4	44.2	0.8	0.0	0.0	0.0	0.0	0.0
40°	968.2	38.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	518.2	25.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	305.7	15.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	170.7	6.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	61.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8.5	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	1.6	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.6	1.6	0.8	0.0	0.0	0.0
67.5°	0.0	0.8	1.6	1.6	0.8	0.0	0.0	0.0
70°	0.0	0.8	1.6	1.6	0.8	0.0	0.0	0.0
72.5°	0.0	0.8	1.6	2.3	0.8	0.0	0.0	0.0
75°	0.0	0.8	1.6	2.3	0.8	0.0	0.0	0.0
77.5°	0.0	0.8	1.6	2.3	0.8	0.0	0.0	0.0
80°	0.0	0.8	1.6	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	1.6	2.3	0.8	0.0	0.0	0.0
85°	0.0	0.8	1.6	2.3	0.8	0.0	0.0	0.0
87.5°	0.0	0.8	1.6	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)