

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: P1327789

Luminaire Tested: LDSQA3D13R25W2N902765DE010 3LSQCA30R 1MMS_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327789
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: LDSQA3D13R25W2N902765DE010 3LSQCA30R 1MMS_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 6500K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

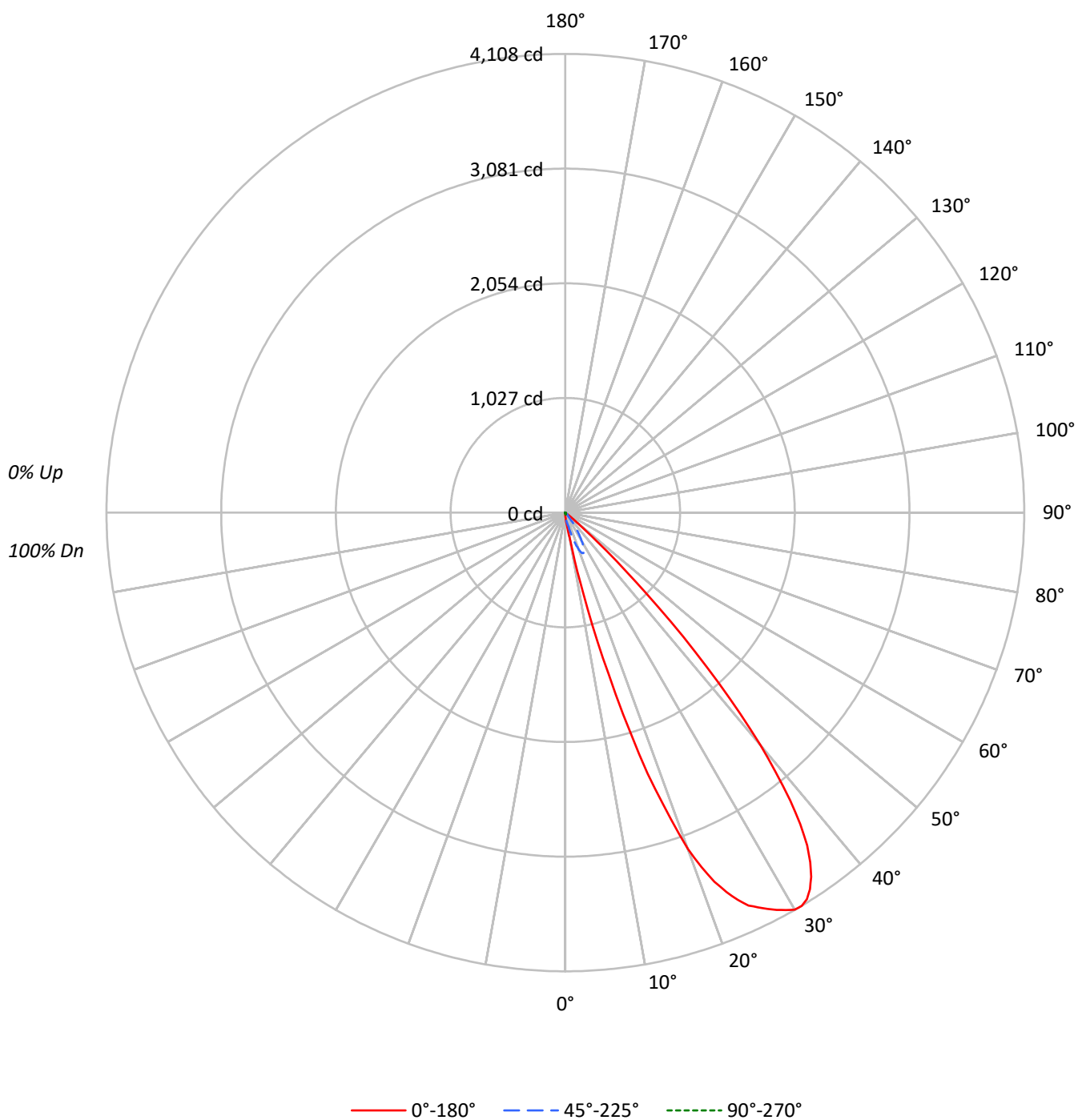
Lumens per Lamp: N/A
Luminaire Lumens: 805.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	4374	4374	4374	4374	4374
5°	13727	9595	3994	2126	1608
10°	43283	17401	2973	262	0
15°	267661	33128	1783	0	0
20°	586866	64586	568	0	0
25°	737702	74281	0	0	0
30°	816641	57492	0	0	0
35°	803872	32588	0	0	0
40°	611040	8498	0	0	0
45°	247505	3751	0	0	0
50°	27463	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: 247505 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.5
10°-20°	83.1	10.3
20°-30°	290.7	36.1
30°-40°	324.2	40.3
40°-50°	97.9	12.2
50°-60°	3.3	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°	377.8	46.9
0°-40°	702.0	87.2
0°-60°	803.2	99.8
0°-90°	805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	805.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	79	56	23	12	9	12
15°	1501	186	10	0	0	499
25°	3882	391	0	0	0	1771
35°	3824	155	0	0	0	2295
45°	1016	15	0	0	0	878
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°	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
2.5°	43.9	45.5	44.7	45.5	44.7	44.7	44.7	45.5	44.7	44.7	44.7
5°	79.4	80.2	80.2	79.4	79.4	81.0	79.4	80.2	77.9	79.4	78.6
7.5°	130.3	128.8	128.8	129.5	129.5	128.0	127.2	125.7	127.2	127.2	124.9
10°	247.5	246.0	242.1	240.6	242.1	242.1	234.4	235.9	236.7	229.8	227.5
12.5°	727.1	721.7	732.5	715.5	705.5	689.3	698.6	666.9	660.0	655.4	644.6
15°	1501.2	1542.1	1524.3	1525.9	1529.0	1490.4	1503.5	1455.7	1415.6	1403.3	1394.8
17.5°	2448.0	2460.4	2444.2	2436.5	2433.4	2414.9	2392.5	2368.6	2337.8	2310.8	2288.4
20°	3202.1	3192.8	3165.1	3168.2	3135.0	3118.0	3098.8	3074.9	3051.0	3011.6	2973.9
21°	3401.0	3374.0	3374.8	3356.3	3355.5	3333.9	3300.0	3275.3	3253.7	3209.0	3185.1
22°	3564.5	3558.3	3544.4	3530.5	3515.9	3505.1	3467.3	3455.0	3411.0	3374.0	3340.1
23°	3691.7	3694.0	3681.7	3672.4	3652.4	3647.7	3599.2	3582.2	3552.1	3495.9	3461.2
24°	3797.3	3793.5	3779.6	3763.4	3751.8	3741.0	3704.0	3676.3	3643.1	3596.9	3562.9
25°	3882.1	3872.9	3863.6	3851.3	3832.8	3820.5	3782.7	3751.8	3723.3	3671.6	3625.4
26°	3932.3	3934.6	3919.9	3910.7	3894.5	3882.1	3842.8	3806.6	3771.1	3715.6	3674.0
27°	3983.1	3980.8	3967.7	3953.8	3936.9	3932.3	3886.8	3849.0	3812.7	3754.1	3704.8
28°	4030.2	4024.0	4013.2	3997.0	3978.5	3964.6	3920.7	3881.4	3842.0	3779.6	3725.6
29°	4069.5	4063.3	4056.4	4035.6	4011.7	4002.4	3955.4	3907.6	3868.3	3804.3	3747.2
30°	4106.5	4094.9	4078.8	4061.0	4037.9	4020.2	3970.8	3929.2	3882.9	3812.0	3757.2
31°	4108.0	4092.6	4081.1	4062.6	4036.3	4014.8	3963.1	3920.7	3866.7	3800.4	3741.0
32°	4081.1	4073.4	4054.8	4034.8	4009.4	3987.8	3930.7	3886.0	3835.1	3764.2	3704.8
33°	4020.2	4012.4	4001.6	3980.8	3947.7	3927.6	3876.7	3827.4	3777.3	3713.3	3645.4
34°	3936.1	3926.9	3913.0	3892.2	3858.2	3837.4	3796.6	3745.7	3692.5	3626.2	3562.9
35°	3823.5	3805.8	3802.0	3771.1	3739.5	3734.1	3685.5	3632.3	3578.4	3505.1	3450.4
36°	3684.0	3663.2	3649.3	3638.5	3617.7	3592.2	3544.4	3502.0	3432.6	3385.6	3308.5
37°	3493.5	3468.1	3481.2	3451.9	3419.5	3408.7	3347.8	3309.3	3250.7	3186.7	3121.1
38°	3271.5	3269.2	3266.1	3253.0	3197.5	3168.9	3143.5	3102.6	3051.7	2974.6	2886.0
39°	2990.8	2995.5	2979.3	2980.8	2953.0	2924.5	2889.1	2842.8	2781.1	2710.9	2639.2
40°	2717.9	2652.3	2663.9	2624.6	2626.9	2584.5	2538.2	2497.4	2458.0	2396.4	2298.4
42.5°	1880.5	1870.5	1835.8	1811.2	1821.9	1767.2	1706.3	1649.2	1594.5	1525.1	1439.5
45°	1016.2	993.1	1000.0	959.9	959.9	935.3	918.3	870.5	819.6	788.0	738.6
47.5°	377.8	382.4	390.9	374.7	356.2	367.0	350.8	350.8	342.3	332.3	318.4
50°	102.5	104.1	102.5	102.5	100.2	98.7	95.6	94.8	94.1	91.8	87.9
52.5°	41.6	39.3	39.3	40.1	40.1	38.6	39.3	39.3	38.6	37.8	37.8
55°	6.9	7.7	7.7	7.7	7.7	6.9	6.9	7.7	8.5	7.7	7.7
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°	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
2.5°	43.2	37.8	31.6	26.2	20.8	17.7	16.2	17.0
5°	73.2	55.5	36.2	23.1	16.2	12.3	10.0	9.3
7.5°	112.6	76.3	40.9	20.0	12.3	6.2	3.9	3.1
10°	172.7	99.5	43.9	17.0	7.7	1.5	0.0	0.0
12.5°	443.3	121.8	44.7	13.9	3.1	0.0	0.0	0.0
15°	911.4	185.8	43.2	10.0	0.8	0.0	0.0	0.0
17.5°	1515.1	284.5	37.8	6.9	0.0	0.0	0.0	0.0
20°	2101.8	352.4	30.1	3.1	0.0	0.0	0.0	0.0
21°	2278.4	372.4	27.0	2.3	0.0	0.0	0.0	0.0
22°	2422.6	387.1	23.9	1.5	0.0	0.0	0.0	0.0
23°	2542.9	394.8	20.8	0.8	0.0	0.0	0.0	0.0
24°	2626.9	396.3	19.3	0.8	0.0	0.0	0.0	0.0
25°	2667.0	390.9	17.0	0.0	0.0	0.0	0.0	0.0
26°	2682.4	380.1	15.4	0.0	0.0	0.0	0.0	0.0
27°	2670.8	366.2	13.9	0.0	0.0	0.0	0.0	0.0
28°	2650.0	345.4	11.6	0.0	0.0	0.0	0.0	0.0
29°	2609.2	317.7	10.0	0.0	0.0	0.0	0.0	0.0
30°	2569.8	289.1	8.5	0.0	0.0	0.0	0.0	0.0
31°	2525.1	263.7	6.9	0.0	0.0	0.0	0.0	0.0
32°	2470.4	234.4	5.4	0.0	0.0	0.0	0.0	0.0
33°	2379.4	207.4	3.9	0.0	0.0	0.0	0.0	0.0
34°	2252.2	182.0	3.1	0.0	0.0	0.0	0.0	0.0
35°	2081.8	155.0	2.3	0.0	0.0	0.0	0.0	0.0
36°	1895.2	126.4	1.5	0.0	0.0	0.0	0.0	0.0
37°	1667.0	91.8	1.5	0.0	0.0	0.0	0.0	0.0
38°	1428.7	57.8	0.8	0.0	0.0	0.0	0.0	0.0
39°	1185.1	43.9	0.8	0.0	0.0	0.0	0.0	0.0
40°	962.2	37.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	515.0	25.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	303.8	15.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	169.6	6.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	60.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	23.9	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	1.5	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)