

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: P1320083

Luminaire Tested: LDSQA3D13R259840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

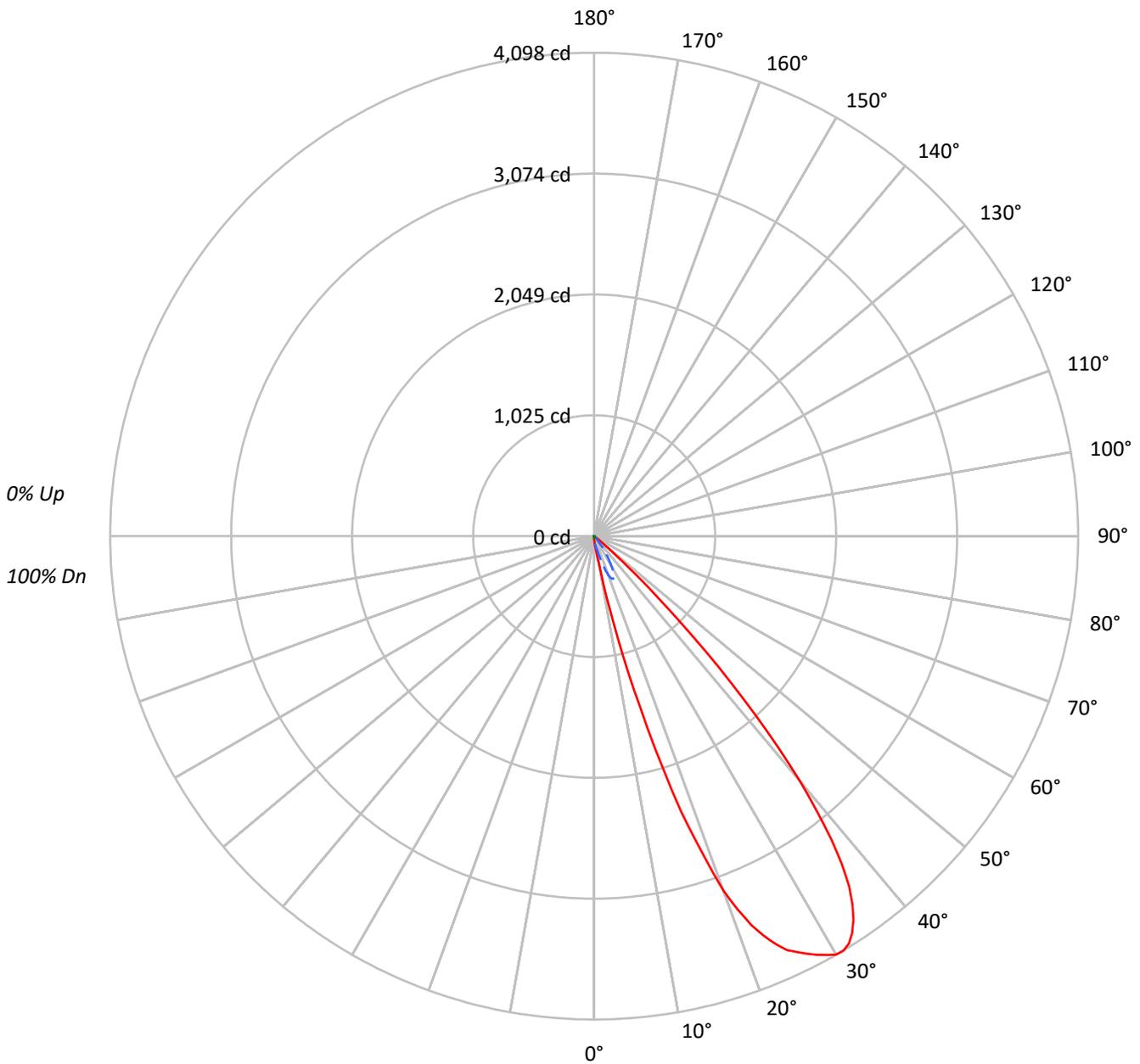
Test Method: LM-79-2019  
Report Number: P1320083  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R259840DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 803.0 lumens  
Efficiency: N/A  
Efficacy: 55.4 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): 14.5  
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°	4374	4374	4374	4374	4374
5°	13692	9578	3994	2126	1591
10°	43178	17348	2955	262	0
15°	267001	33056	1783	0	0
20°	585400	64421	568	0	0
25°	735878	74091	0	0	0
30°	814613	57353	0	0	0
35°	801875	32504	0	0	0
40°	609511	8476	0	0	0
45°	246896	3751	0	0	0
50°	27409	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: 246896 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.0	0.5
10°-20°	82.9	10.3
20°-30°	289.9	36.1
30°-40°	323.4	40.3
40°-50°	97.7	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°	376.8	46.9
0°-40°	700.3	87.2
0°-60°	801.2	99.8
0°-90°	803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	79	55	23	12	9	12
15°	1498	185	10	0	0	498
25°	3872	390	0	0	0	1767
35°	3814	155	0	0	0	2290
45°	1014	15	0	0	0	876
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°	43.8	45.4	44.6	45.4	44.6	44.6	44.6	45.4	44.6	44.6	44.6
5°	79.2	80.0	80.0	79.2	79.2	80.8	79.2	80.0	77.7	79.2	78.4
7.5°	130.0	128.4	128.4	129.2	129.2	127.7	126.9	125.4	126.9	126.9	124.6
10°	246.9	245.3	241.5	240.0	241.5	241.5	233.8	235.3	236.1	229.2	226.9
12.5°	725.3	719.9	730.7	713.7	703.7	687.6	696.8	665.3	658.4	653.7	643.0
15°	1497.5	1538.2	1520.5	1522.1	1525.2	1486.7	1499.8	1452.1	1412.1	1399.8	1391.3
17.5°	2441.9	2454.2	2438.1	2430.4	2427.3	2408.9	2386.6	2362.7	2332.0	2305.0	2282.7
20°	3194.1	3184.9	3157.2	3160.3	3127.2	3110.3	3091.1	3067.2	3043.4	3004.2	2966.5
21°	3392.6	3365.6	3366.4	3348.0	3347.2	3325.7	3291.8	3267.2	3245.7	3201.1	3177.2
22°	3555.6	3549.5	3535.6	3521.8	3507.2	3496.4	3458.7	3446.4	3402.6	3365.6	3331.8
23°	3682.5	3684.8	3672.5	3663.3	3643.3	3638.7	3590.2	3573.3	3543.3	3487.2	3452.6
24°	3787.9	3784.0	3770.2	3754.0	3742.5	3731.7	3694.8	3667.1	3634.1	3587.9	3554.1
25°	3872.5	3863.3	3854.0	3841.7	3823.3	3811.0	3773.3	3742.5	3714.1	3662.5	3616.4
26°	3922.5	3924.8	3910.2	3901.0	3884.8	3872.5	3833.3	3797.1	3761.7	3706.4	3664.8
27°	3973.2	3970.9	3957.9	3944.0	3927.1	3922.5	3877.1	3839.4	3803.3	3744.8	3695.6
28°	4020.2	4014.0	4003.2	3987.1	3968.6	3954.8	3910.9	3871.7	3832.5	3770.2	3716.4
29°	4059.4	4053.2	4046.3	4025.5	4001.7	3992.5	3945.6	3897.9	3858.6	3794.8	3737.9
30°	4096.3	4084.8	4068.6	4050.9	4027.9	4010.2	3960.9	3919.4	3873.3	3802.5	3747.9
31°	4097.8	4082.5	4070.9	4052.5	4026.3	4004.8	3953.3	3910.9	3857.1	3791.0	3731.7
32°	4070.9	4063.2	4044.8	4024.8	3999.4	3977.9	3920.9	3876.3	3825.6	3754.8	3695.6
33°	4010.2	4002.5	3991.7	3970.9	3937.9	3917.9	3867.1	3817.9	3767.9	3704.1	3636.4
34°	3926.3	3917.1	3903.3	3882.5	3848.7	3827.9	3787.1	3736.4	3683.3	3617.1	3554.1
35°	3814.0	3796.4	3792.5	3761.7	3730.2	3724.8	3676.4	3623.3	3569.5	3496.4	3441.8
36°	3674.8	3654.1	3640.2	3629.5	3608.7	3583.3	3535.6	3493.3	3424.1	3377.2	3300.3
37°	3484.9	3459.5	3472.6	3443.3	3411.0	3400.3	3339.5	3301.0	3242.6	3178.8	3113.4
38°	3263.4	3261.0	3258.0	3244.9	3189.5	3161.1	3135.7	3094.9	3044.2	2967.2	2878.8
39°	2983.4	2988.0	2971.9	2973.4	2945.7	2917.3	2881.9	2835.7	2774.2	2704.2	2632.7
40°	2711.1	2645.8	2657.3	2618.1	2620.4	2578.1	2531.9	2491.2	2451.9	2390.4	2292.7
42.5°	1875.9	1865.9	1831.3	1806.7	1817.4	1762.8	1702.1	1645.1	1590.5	1521.3	1435.9
45°	1013.7	990.6	997.5	957.5	957.5	932.9	916.0	868.3	817.6	786.0	736.8
47.5°	376.9	381.5	389.9	373.8	355.3	366.1	349.9	349.9	341.5	331.5	317.6
50°	102.3	103.8	102.3	102.3	100.0	98.4	95.4	94.6	93.8	91.5	87.7
52.5°	41.5	39.2	39.2	40.0	40.0	38.5	39.2	39.2	38.5	37.7	37.7
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°	43.1	37.7	31.5	26.1	20.8	17.7	16.2	16.9
5°	73.1	55.4	36.1	23.1	16.2	12.3	10.0	9.2
7.5°	112.3	76.1	40.8	20.0	12.3	6.2	3.8	3.1
10°	172.3	99.2	43.8	16.9	7.7	1.5	0.0	0.0
12.5°	442.2	121.5	44.6	13.8	3.1	0.0	0.0	0.0
15°	909.1	185.4	43.1	10.0	0.8	0.0	0.0	0.0
17.5°	1511.3	283.8	37.7	6.9	0.0	0.0	0.0	0.0
20°	2096.6	351.5	30.0	3.1	0.0	0.0	0.0	0.0
21°	2272.7	371.5	26.9	2.3	0.0	0.0	0.0	0.0
22°	2416.6	386.1	23.8	1.5	0.0	0.0	0.0	0.0
23°	2536.5	393.8	20.8	0.8	0.0	0.0	0.0	0.0
24°	2620.4	395.3	19.2	0.8	0.0	0.0	0.0	0.0
25°	2660.4	389.9	16.9	0.0	0.0	0.0	0.0	0.0
26°	2675.8	379.2	15.4	0.0	0.0	0.0	0.0	0.0
27°	2664.2	365.3	13.8	0.0	0.0	0.0	0.0	0.0
28°	2643.4	344.6	11.5	0.0	0.0	0.0	0.0	0.0
29°	2602.7	316.9	10.0	0.0	0.0	0.0	0.0	0.0
30°	2563.5	288.4	8.5	0.0	0.0	0.0	0.0	0.0
31°	2518.9	263.0	6.9	0.0	0.0	0.0	0.0	0.0
32°	2464.2	233.8	5.4	0.0	0.0	0.0	0.0	0.0
33°	2373.5	206.9	3.8	0.0	0.0	0.0	0.0	0.0
34°	2246.6	181.5	3.1	0.0	0.0	0.0	0.0	0.0
35°	2076.6	154.6	2.3	0.0	0.0	0.0	0.0	0.0
36°	1890.5	126.1	1.5	0.0	0.0	0.0	0.0	0.0
37°	1662.8	91.5	1.5	0.0	0.0	0.0	0.0	0.0
38°	1425.2	57.7	0.8	0.0	0.0	0.0	0.0	0.0
39°	1182.1	43.8	0.8	0.0	0.0	0.0	0.0	0.0
40°	959.9	37.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	513.8	25.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	303.0	15.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	169.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	60.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	23.8	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)