

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: P1323880

Luminaire Tested: LDSQA3D13R259030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

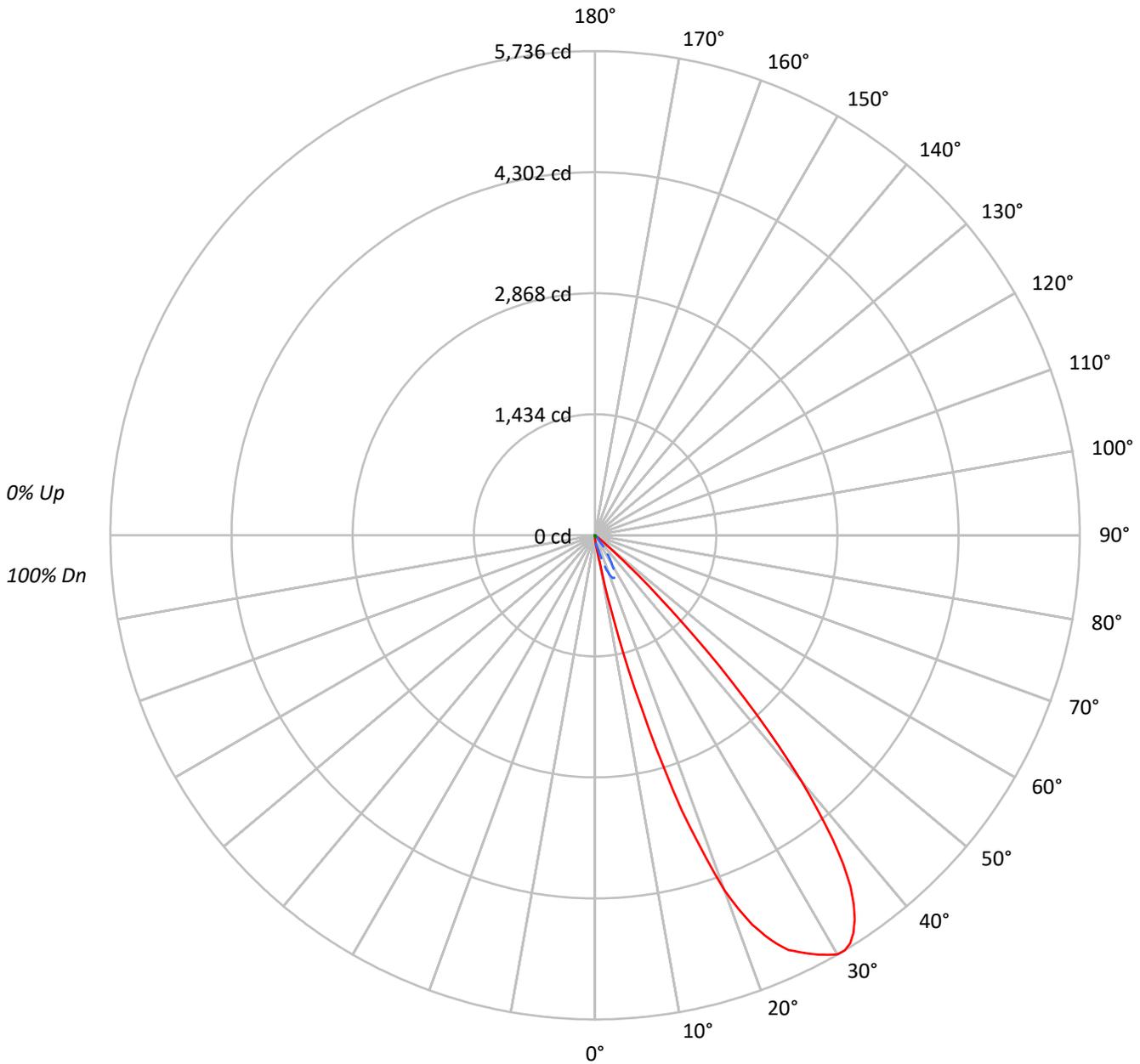
Test Method: LM-79-2019  
Report Number: P1323880  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R259030D2WDE010 3LSQCA30R 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1124.0 lumens  
Efficiency: N/A  
Efficacy: 55.9 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): 20.1  
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				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	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	76	72	69	67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	6114	6114	6114	6114	6114
5°	19172	13398	5584	2974	2230
10°	60438	24291	4145	385	0
15°	373730	46268	2496	0	0
20°	819425	90172	788	0	0
25°	1030040	103717	0	0	0
30°	1140255	80282	0	0	0
35°	1122435	45497	0	0	0
40°	853172	11871	0	0	0
45°	345587	5237	0	0	0
50°	38368	589	0	0	0
55°	2913	0	330	0	0
60°	0	0	379	0	0
65°	0	0	897	0	0
70°	0	554	1108	0	0
75°	0	732	2129	0	0
80°	0	1091	3174	0	0
85°	0	2174	6323	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 345587 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.6	0.5
10°-20°	116.1	10.3
20°-30°	405.8	36.1
30°-40°	452.7	40.3
40°-50°	136.7	12.2
50°-60°	4.6	0.4
60°-70°	0.6	0.1
70°-80°	1.0	0.1
80°-90°	0.9	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°	527.5	46.9
0°-40°	980.2	87.2
0°-60°	1121.5	99.8
0°-90°	1124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1124.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	36	36	36	36	36	
5°	111	78	32	17	13	17
15°	2096	260	14	0	0	697
25°	5420	546	0	0	0	2473
35°	5339	216	0	0	0	3205
45°	1419	22	0	0	0	1225
55°	10	0	1	0	0	30
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	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°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
2.5°	61.4	63.5	62.4	63.5	62.4	62.4	62.4	63.5	62.4	62.4	62.4
5°	110.9	112.0	112.0	110.9	110.9	113.0	110.9	112.0	108.7	110.9	109.8
7.5°	181.9	179.8	179.8	180.9	180.9	178.7	177.6	175.5	177.6	177.6	174.4
10°	345.6	343.4	338.0	335.9	338.0	338.0	327.3	329.4	330.5	320.8	317.6
12.5°	1015.2	1007.7	1022.7	999.1	985.1	962.5	975.4	931.2	921.5	915.1	900.0
15°	2096.1	2153.1	2128.4	2130.5	2134.8	2081.0	2099.3	2032.6	1976.6	1959.4	1947.5
17.5°	3418.1	3435.3	3412.7	3402.0	3397.7	3371.8	3340.6	3307.2	3264.2	3226.5	3195.3
20°	4471.0	4458.1	4419.3	4423.6	4377.3	4353.6	4326.7	4293.4	4260.0	4205.1	4152.3
21°	4748.7	4711.1	4712.1	4686.3	4685.2	4655.1	4607.7	4573.3	4543.1	4480.7	4447.3
22°	4977.0	4968.4	4949.0	4929.6	4909.2	4894.1	4841.3	4824.1	4762.7	4711.1	4663.7
23°	5154.6	5157.8	5140.6	5127.7	5099.7	5093.2	5025.4	5001.7	4959.8	4881.2	4832.7
24°	5302.1	5296.7	5277.3	5254.7	5238.6	5223.5	5171.8	5133.1	5086.8	5022.2	4974.8
25°	5420.5	5407.6	5394.7	5377.5	5351.6	5334.4	5281.6	5238.6	5198.8	5126.6	5062.0
26°	5490.5	5493.7	5473.3	5460.4	5437.8	5420.5	5365.6	5315.0	5265.5	5188.0	5129.9
27°	5561.6	5558.3	5540.0	5520.6	5497.0	5490.5	5427.0	5374.2	5323.6	5241.8	5172.9
28°	5627.2	5618.6	5603.5	5580.9	5555.1	5535.7	5474.4	5419.4	5364.5	5277.3	5202.0
29°	5682.1	5673.5	5663.8	5634.8	5601.4	5588.5	5522.8	5456.1	5401.1	5311.8	5232.1
30°	5733.8	5717.7	5695.1	5670.3	5638.0	5613.2	5544.3	5486.2	5421.6	5322.6	5246.1
31°	5736.0	5714.4	5698.3	5672.4	5635.8	5605.7	5533.6	5474.4	5399.0	5306.4	5223.5
32°	5698.3	5687.5	5661.7	5633.7	5598.2	5568.0	5488.3	5425.9	5354.9	5255.8	5172.9
33°	5613.2	5602.5	5587.4	5558.3	5512.0	5484.0	5413.0	5344.1	5274.1	5184.8	5090.0
34°	5495.9	5483.0	5463.6	5434.5	5387.2	5358.1	5301.0	5230.0	5155.7	5063.1	4974.8
35°	5338.7	5313.9	5308.6	5265.5	5221.4	5213.8	5146.0	5071.7	4996.4	4894.1	4817.6
36°	5143.8	5114.8	5095.4	5080.3	5051.3	5015.7	4949.0	4889.8	4792.9	4727.2	4619.6
37°	4877.9	4842.4	4860.7	4819.8	4774.6	4759.5	4674.5	4620.6	4538.8	4449.5	4358.0
38°	4567.9	4564.7	4560.3	4542.0	4464.5	4424.7	4389.2	4332.1	4261.1	4153.4	4029.6
39°	4176.0	4182.5	4159.9	4162.0	4123.3	4083.4	4033.9	3969.3	3883.2	3785.2	3685.1
40°	3794.9	3703.4	3719.5	3664.6	3667.9	3608.7	3544.1	3487.0	3432.1	3346.0	3209.3
42.5°	2625.8	2611.8	2563.3	2528.9	2543.9	2467.5	2382.4	2302.8	2226.3	2129.5	2010.0
45°	1418.9	1386.6	1396.3	1340.3	1340.3	1305.9	1282.2	1215.4	1144.4	1100.3	1031.4
47.5°	527.5	534.0	545.8	523.2	497.4	512.4	489.8	489.8	478.0	464.0	444.6
50°	143.2	145.3	143.2	143.2	140.0	137.8	133.5	132.4	131.3	128.1	122.7
52.5°	58.1	54.9	54.9	56.0	56.0	53.8	54.9	54.9	53.8	52.8	52.8
55°	9.7	10.8	10.8	10.8	10.8	9.7	9.7	10.8	11.8	10.8	10.8
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°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
2.5°	60.3	52.8	44.1	36.6	29.1	24.8	22.6	23.7
5°	102.3	77.5	50.6	32.3	22.6	17.2	14.0	12.9
7.5°	157.2	106.6	57.1	28.0	17.2	8.6	5.4	4.3
10°	241.2	138.9	61.4	23.7	10.8	2.2	0.0	0.0
12.5°	619.0	170.1	62.4	19.4	4.3	0.0	0.0	0.0
15°	1272.5	259.5	60.3	14.0	1.1	0.0	0.0	0.0
17.5°	2115.5	397.3	52.8	9.7	0.0	0.0	0.0	0.0
20°	2934.7	492.0	42.0	4.3	0.0	0.0	0.0	0.0
21°	3181.3	520.0	37.7	3.2	0.0	0.0	0.0	0.0
22°	3382.6	540.4	33.4	2.2	0.0	0.0	0.0	0.0
23°	3550.5	551.2	29.1	1.1	0.0	0.0	0.0	0.0
24°	3667.9	553.4	26.9	1.1	0.0	0.0	0.0	0.0
25°	3723.9	545.8	23.7	0.0	0.0	0.0	0.0	0.0
26°	3745.4	530.7	21.5	0.0	0.0	0.0	0.0	0.0
27°	3729.2	511.4	19.4	0.0	0.0	0.0	0.0	0.0
28°	3700.2	482.3	16.1	0.0	0.0	0.0	0.0	0.0
29°	3643.1	443.5	14.0	0.0	0.0	0.0	0.0	0.0
30°	3588.2	403.7	11.8	0.0	0.0	0.0	0.0	0.0
31°	3525.8	368.2	9.7	0.0	0.0	0.0	0.0	0.0
32°	3449.3	327.3	7.5	0.0	0.0	0.0	0.0	0.0
33°	3322.3	289.6	5.4	0.0	0.0	0.0	0.0	0.0
34°	3144.7	254.1	4.3	0.0	0.0	0.0	0.0	0.0
35°	2906.7	216.4	3.2	0.0	0.0	0.0	0.0	0.0
36°	2646.2	176.6	2.2	0.0	0.0	0.0	0.0	0.0
37°	2327.5	128.1	2.2	0.0	0.0	0.0	0.0	0.0
38°	1994.9	80.7	1.1	0.0	0.0	0.0	0.0	0.0
39°	1654.7	61.4	1.1	0.0	0.0	0.0	0.0	0.0
40°	1343.6	52.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	719.1	35.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	424.2	21.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	236.8	8.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	85.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	33.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	11.8	0.0	0.0	1.1	0.0	0.0	0.0	0.0
57.5°	1.1	0.0	1.1	1.1	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.1	2.2	0.0	0.0	0.0	0.0
65°	0.0	0.0	2.2	2.2	1.1	0.0	0.0	0.0
67.5°	0.0	1.1	2.2	2.2	1.1	0.0	0.0	0.0
70°	0.0	1.1	2.2	2.2	1.1	0.0	0.0	0.0
72.5°	0.0	1.1	2.2	3.2	1.1	0.0	0.0	0.0
75°	0.0	1.1	2.2	3.2	1.1	0.0	0.0	0.0
77.5°	0.0	1.1	2.2	3.2	1.1	0.0	0.0	0.0
80°	0.0	1.1	2.2	3.2	1.1	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	1.1	2.2	3.2	1.1	0.0	0.0	0.0
85°	0.0	1.1	2.2	3.2	1.1	0.0	0.0	0.0
87.5°	0.0	1.1	2.2	3.2	1.1	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)