

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: P1306690

Luminaire Tested: LDSQA3D02R409024DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

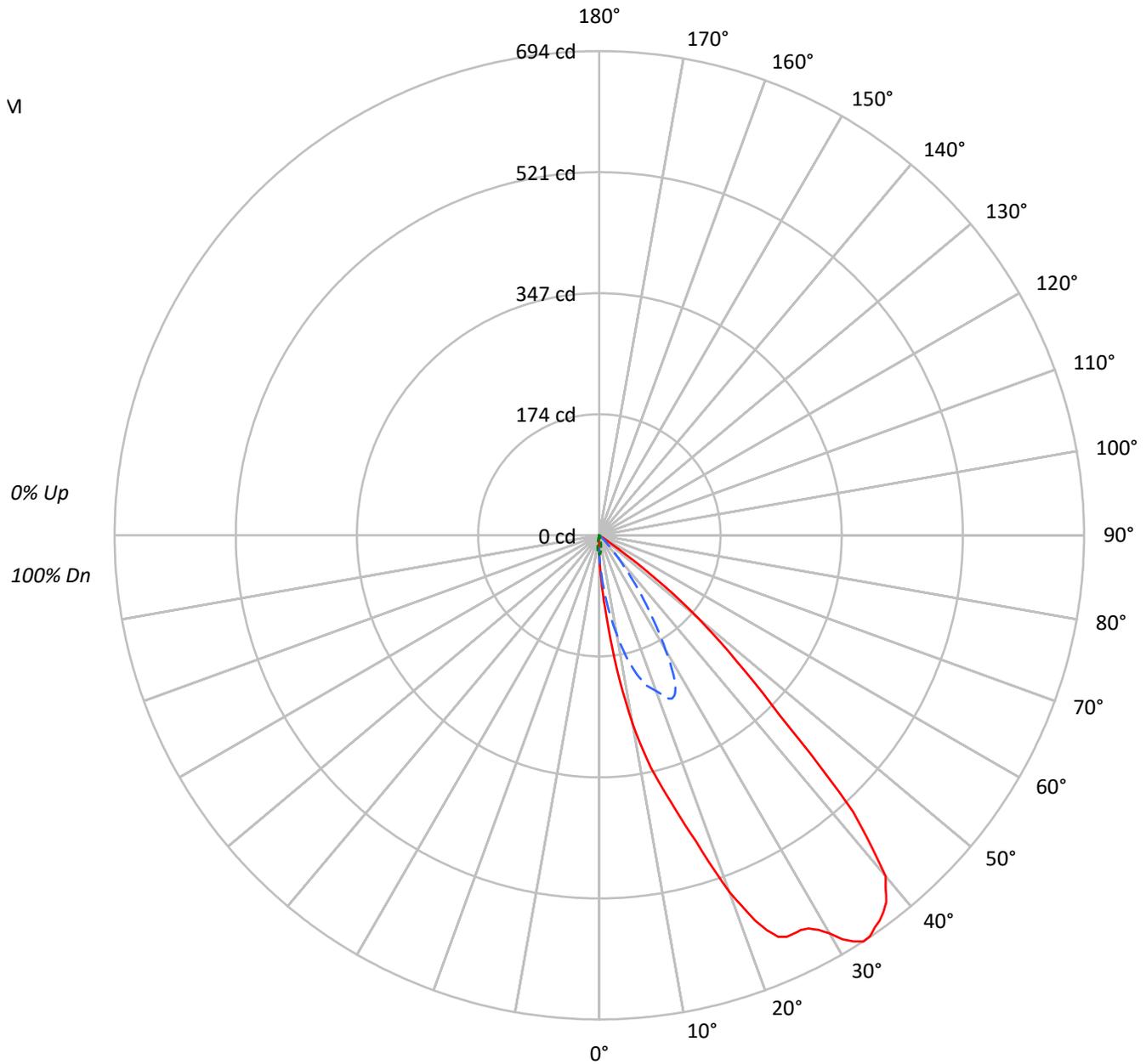
Test Method: LM-79-2019  
Report Number: P1306690  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R409024DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 233.0 lumens  
Efficiency: N/A  
Efficacy: 64.7 lumens/watt  
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	100			100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83			83
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67			67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60			60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54			54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49			49
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44			44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40			40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			36

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

	0°	45°	90°	135°	180°
0°	4702	4702	4702	4702	4702
5°	19916	13571	4115	743	363
10°	47882	25253	2553	70	0
15°	70481	36694	1070	0	0
20°	99610	43491	385	0	0
25°	120648	48286	0	0	0
30°	131013	37765	0	0	0
35°	144459	22097	0	0	0
40°	143368	8970	0	0	0
45°	88802	2606	0	0	0
50°	49433	54	0	0	0
55°	4834	0	0	0	0
60°	0	0	69	0	0
65°	0	0	82	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	0	0
85°	0	395	790	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 89216 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.1	2.2
10°-20°	30.0	12.9
20°-30°	68.6	29.4
30°-40°	80.9	34.7
40°-50°	43.2	18.6
50°-60°	4.7	2.0
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.1	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°	103.7	44.5
0°-40°	184.6	79.3
0°-60°	232.6	99.8
0°-90°	233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	233.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	115	78	24	4	2	16
15°	395	206	6	0	0	117
25°	635	254	0	0	0	288
35°	687	105	0	0	0	424
45°	365	11	0	0	0	301
55°	16	0	0	0	0	45
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
2.5°	63.5	62.2	63.1	61.4	61.4	57.5	57.7	54.5	49.8	38.0	27.0
5°	115.2	120.4	116.3	110.9	107.9	104.1	98.9	93.6	78.5	47.4	23.8
7.5°	192.9	192.5	185.6	179.8	173.2	162.9	153.2	140.1	111.8	54.3	19.7
10°	273.8	272.3	264.6	259.6	247.0	232.2	212.4	191.4	144.4	56.6	14.6
12.5°	341.2	339.3	332.8	324.4	310.5	291.8	270.6	242.9	178.7	54.1	9.4
15°	395.3	394.8	388.6	377.2	362.6	344.4	320.4	287.1	205.8	47.4	6.0
17.5°	459.4	462.0	450.8	438.6	417.6	392.0	362.6	324.7	225.7	39.3	3.9
20°	543.5	539.9	529.6	511.8	491.6	460.9	419.3	365.0	237.3	30.5	2.1
21°	569.3	567.8	557.0	540.5	518.2	487.1	444.2	385.6	242.7	27.3	1.7
22°	595.5	592.9	584.5	568.4	547.4	512.2	465.0	406.8	249.6	23.8	1.1
23°	615.0	613.9	607.5	591.6	569.9	535.8	487.5	426.6	254.3	20.6	0.6
24°	630.0	628.7	622.3	610.3	591.6	556.0	510.3	447.8	256.2	17.8	0.2
25°	634.9	635.6	631.7	622.3	606.6	571.0	527.2	464.6	254.1	15.2	0.0
26°	635.2	637.1	634.3	628.9	616.1	583.0	543.1	474.4	248.5	12.9	0.0
27°	635.2	637.1	634.3	630.2	617.6	589.9	551.7	475.5	239.9	10.9	0.0
28°	638.2	639.2	635.6	630.7	616.9	592.0	554.0	469.1	226.2	9.4	0.0
29°	646.5	645.5	639.4	632.8	616.3	592.0	547.0	456.8	209.0	7.9	0.0
30°	658.8	658.8	649.3	638.8	619.3	591.8	535.6	434.7	189.9	6.4	0.0
31°	675.3	673.8	664.3	648.7	625.7	591.8	518.9	410.3	172.3	5.6	0.0
32°	686.4	685.6	676.6	658.1	636.2	591.8	500.8	383.2	153.2	4.5	0.0
33°	694.2	692.4	682.1	663.1	642.7	588.8	480.7	354.3	136.0	3.6	0.0
34°	693.1	692.7	681.9	662.2	641.4	576.4	457.3	322.1	120.2	3.0	0.0
35°	687.1	687.1	674.0	653.6	632.2	558.1	434.1	294.6	105.1	2.1	0.0
36°	682.6	680.9	666.1	643.3	616.7	529.4	399.8	266.9	89.1	1.7	0.0
37°	675.9	672.7	656.2	631.7	594.8	498.3	363.7	242.3	75.3	1.1	0.0
38°	667.3	662.4	642.2	618.2	570.8	462.4	327.0	214.6	62.7	0.6	0.0
39°	651.7	647.6	626.8	600.8	542.0	424.7	291.4	188.6	50.6	0.2	0.0
40°	637.7	630.7	607.0	577.2	508.3	382.0	256.0	163.1	39.9	0.0	0.0
42.5°	537.7	530.2	524.9	495.3	404.9	274.2	178.7	104.5	20.8	0.0	0.0
45°	364.6	366.3	349.6	329.6	267.2	178.7	111.8	58.2	10.7	0.0	0.0
47.5°	265.9	261.4	238.6	200.8	156.6	104.5	58.4	28.1	4.3	0.0	0.0
50°	184.5	176.0	155.4	127.0	85.2	49.8	25.7	13.1	0.2	0.0	0.0
52.5°	100.2	94.2	79.8	57.9	35.4	19.1	10.3	5.4	0.0	0.0	0.0
55°	16.1	11.2	11.6	9.9	7.7	5.6	3.2	0.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
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):**

	112.5°	135°	157.5°	180°
0°	27.3	27.3	27.3	27.3
2.5°	18.2	12.4	9.4	8.2
5°	10.5	4.3	2.4	2.1
7.5°	5.1	1.5	0.9	0.9
10°	2.1	0.4	0.0	0.0
12.5°	0.6	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.2	0.0	0.0	0.0
85°	0.2	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)