

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: P1323511

Luminaire Tested: LDSQA3D02R509030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

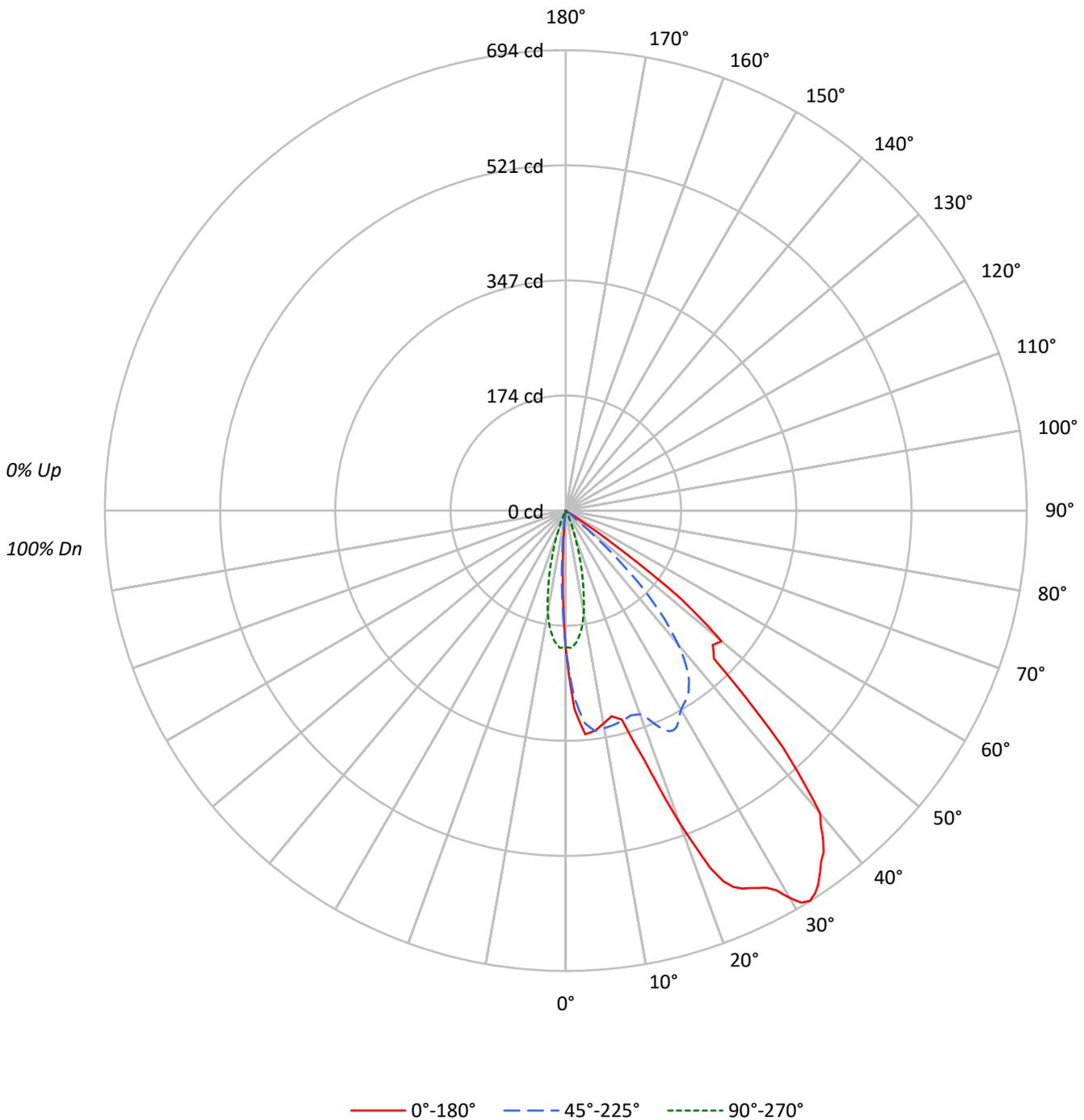
Test Method: LM-79-2019  
Report Number: P1323511  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R509030D2WDE010 3LSQCA30R 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 332.0 lumens  
Efficiency: N/A  
Efficacy: 46.1 lumens/watt  
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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

TEST NUMBER: P1323511  
CATALOG NUMBER: LDSQA3D02R509030D2WDE010 3LSQCA30R 1MMS

### 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	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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	35495	35495	35495	35495	35495
5°	58485	55512	34109	10131	5065
10°	57011	58252	27334	507	682
15°	58125	58464	16368	517	178
20°	91619	59858	6745	0	0
25°	119432	69740	1615	0	0
30°	134055	68967	60	0	0
35°	140275	67909	0	0	0
40°	133836	59015	0	0	0
45°	76843	38945	0	0	0
50°	82014	4448	0	0	0
55°	23360	0	0	0	0
60°	0	0	103	0	0
65°	0	122	122	0	0
70°	0	151	151	0	0
75°	0	200	200	0	0
80°	0	298	694	298	0
85°	0	593	1383	593	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 15°  
 Vertical Angle: 45°  
 Luminance: 84856 cd/sqm



TEST NUMBER: P1323511

CATALOG NUMBER: LDSQA3D02R509030D2WDE010 3LSQCA30R 1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.3	5.2
10°-20°	43.6	13.1
20°-30°	83.8	25.2
30°-40°	97.5	29.4
40°-50°	69.8	21.0
50°-60°	19.4	5.9
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	144.7	43.6
0°-40°	242.2	73.0
0°-60°	331.4	99.8
0°-90°	332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	332.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	206	206	206	206	206	
5°	338	321	197	59	29	31
15°	326	328	92	3	1	105
25°	628	367	8	0	0	286
35°	667	323	0	0	0	413
45°	316	160	0	0	0	297
55°	78	0	0	0	0	98
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	1	0	0	0
90°	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°	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1	206.1
2.5°	299.6	301.2	301.5	297.6	298.3	292.8	293.1	289.2	279.7	246.8	207.1
5°	338.3	337.4	338.3	337.0	338.3	335.1	333.1	331.5	321.1	274.5	197.3
7.5°	334.8	333.5	335.4	336.1	338.3	337.4	337.7	338.7	335.1	289.5	180.7
10°	326.0	325.6	326.6	326.6	329.2	329.6	330.9	332.8	333.1	294.7	156.3
12.5°	317.5	316.5	316.5	316.2	317.5	317.2	320.4	325.0	331.2	291.5	122.8
15°	326.0	325.0	323.7	320.1	317.5	314.6	314.9	317.8	327.9	283.0	91.8
17.5°	394.4	389.1	382.6	371.2	359.2	338.3	326.0	318.2	324.0	270.0	61.2
20°	499.9	497.6	487.2	468.6	449.1	418.5	380.4	349.7	326.6	253.7	36.8
21°	539.9	538.6	527.5	510.3	488.1	451.0	411.9	375.1	331.8	246.8	29.0
22°	580.9	576.1	567.3	548.1	524.9	487.8	444.2	403.5	342.3	238.0	22.1
23°	607.3	604.4	595.0	579.6	557.5	521.4	476.7	432.5	352.3	228.3	16.6
24°	621.0	620.0	612.5	601.8	582.9	546.1	503.8	458.2	360.8	216.9	12.0
25°	628.5	625.2	620.7	612.9	598.5	566.6	528.8	480.7	367.0	205.5	8.5
26°	633.1	631.1	623.9	617.1	603.4	577.4	545.1	494.3	368.6	191.5	5.9
27°	638.3	633.7	626.9	618.7	603.4	580.6	551.3	500.2	366.7	177.2	3.9
28°	643.8	640.5	631.1	620.7	602.4	580.6	549.0	492.4	360.8	163.5	2.3
29°	654.5	650.3	638.6	623.3	602.8	580.0	540.2	476.1	353.0	148.2	1.3
30°	674.1	665.3	651.0	629.5	605.0	578.7	525.6	451.7	346.8	130.9	0.3
31°	689.4	684.5	667.9	640.9	611.6	575.1	508.3	427.6	342.6	115.9	0.0
32°	693.6	690.0	678.0	652.6	622.6	572.2	488.8	404.1	339.3	99.3	0.0
33°	688.7	686.5	673.8	650.6	625.6	568.2	466.3	381.0	335.7	84.3	0.0
34°	679.6	676.7	665.6	642.2	618.1	551.3	444.8	363.4	330.5	70.3	0.0
35°	667.2	665.0	653.6	630.4	604.4	524.9	423.3	351.7	323.0	56.3	0.0
36°	653.9	653.2	638.6	615.8	586.8	499.5	397.3	342.9	315.5	44.6	0.0
37°	645.1	641.8	625.9	603.4	566.0	469.9	376.4	340.0	305.1	34.5	0.0
38°	629.1	629.8	611.6	591.0	544.8	444.2	359.5	337.7	293.4	25.1	0.0
39°	610.3	610.6	591.7	574.1	519.7	417.2	345.5	335.4	278.8	16.0	0.0
40°	595.3	595.0	573.5	554.6	492.7	391.8	338.0	332.2	262.5	9.1	0.0
42.5°	483.9	485.9	488.5	496.3	429.2	347.1	330.9	313.9	216.2	0.0	0.0
45°	315.5	323.0	325.0	348.4	348.1	328.9	313.9	281.4	159.9	0.0	0.0
47.5°	300.2	302.5	306.8	315.9	320.8	311.3	280.7	235.1	87.3	0.0	0.0
50°	306.1	305.8	306.8	306.8	298.0	273.5	230.2	173.6	16.6	0.0	0.0
52.5°	219.8	228.0	236.7	240.7	229.3	203.5	168.0	101.9	0.0	0.0	0.0
55°	77.8	75.2	73.3	80.1	78.5	88.2	72.9	23.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	1.3	2.9	3.9	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	0.3	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7



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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	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
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°	206.1	206.1	206.1	206.1
2.5°	165.1	126.7	102.6	104.2
5°	115.9	58.6	36.1	29.3
7.5°	69.4	17.9	3.6	2.9
10°	32.6	2.9	3.3	3.9
12.5°	9.8	2.6	3.6	3.3
15°	2.6	2.9	1.6	1.0
17.5°	1.0	1.3	0.0	0.0
20°	0.7	0.0	0.0	0.0
21°	0.7	0.0	0.0	0.0
22°	0.3	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°	0.3	0.0	0.0	0.0
67.5°	0.3	0.0	0.0	0.0
70°	0.3	0.0	0.0	0.0
72.5°	0.3	0.0	0.0	0.0
75°	0.3	0.0	0.0	0.0
77.5°	0.3	0.0	0.0	0.0
80°	0.3	0.3	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.3	0.3	0.0	0.0
85°	0.3	0.3	0.0	0.0
87.5°	0.3	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)