

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: P1323835

Luminaire Tested: LDSQA3D09R709030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

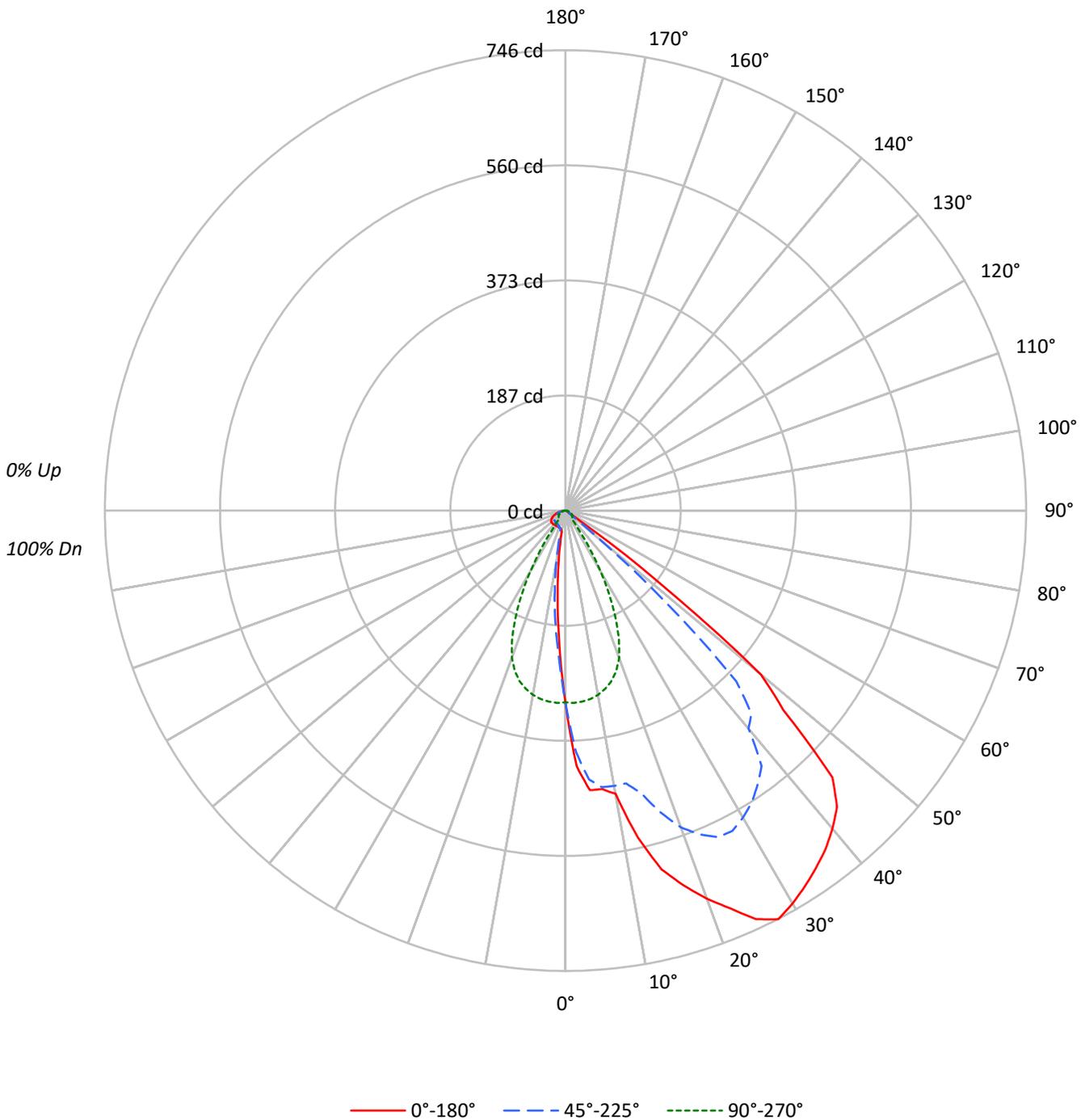
Test Method: LM-79-2019  
Report Number: P1323835  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709030D2WDE010 3LSQCA30R 1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 590.0 lumens  
Efficiency: N/A  
Efficacy: 40.1 lumens/watt  
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.7  
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	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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35

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

	0°	45°	90°	135°	180°
0°	53492	53492	53492	53492	53492
5°	78591	75583	53697	32052	25120
10°	81476	79255	53041	15337	6208
15°	107318	84513	51082	5492	5367
20°	122575	100123	46497	5278	5407
25°	138795	110938	36504	5093	5340
30°	146186	114228	22631	5051	5727
35°	148643	114016	7464	5214	6055
40°	151259	103710	3620	5576	6632
45°	148864	95232	3751	5870	7185
50°	110682	17576	3778	6457	7904
55°	8858	2402	4023	6846	8437
60°	1860	2549	3927	6923	8749
65°	1915	2445	3831	6805	9006
70°	1662	2367	3726	6395	8762
75°	1331	2196	3127	6255	8451
80°	1289	1984	3273	5951	7934
85°	1383	2569	3952	5335	6521

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 15°  
 Vertical Angle: 45°  
 Luminance: 150666 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.3	4.8
10°-20°	79.5	13.5
20°-30°	133.5	22.6
30°-40°	160.5	27.2
40°-50°	127.2	21.6
50°-60°	40.7	6.9
60°-70°	11.4	1.9
70°-80°	6.8	1.1
80°-90°	2.1	0.4
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°	241.2	40.9
0°-40°	401.8	68.1
0°-60°	569.7	96.6
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	311	311	311	311	311	
5°	455	437	311	185	145	43
15°	602	474	286	31	30	169
25°	730	584	192	27	28	334
35°	707	542	36	25	29	443
45°	611	391	15	24	30	439
55°	30	8	13	23	28	92
65°	5	6	9	17	22	5
75°	2	3	5	9	13	2
85°	1	1	2	3	3	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	310.6	310.6	310.6	310.6	310.6	310.6	310.6	310.6	310.6	310.6	310.6
2.5°	414.4	417.1	417.1	413.7	415.1	409.7	405.7	399.7	398.3	391.0	381.6
5°	454.6	453.2	453.2	450.6	451.9	449.9	447.9	446.5	442.5	437.2	431.8
7.5°	455.2	456.6	457.2	456.6	459.3	457.2	457.2	457.2	454.6	451.9	446.5
10°	465.9	463.9	461.9	457.2	454.6	452.6	452.6	453.2	454.6	453.2	449.9
12.5°	542.9	535.6	532.2	520.8	512.1	497.4	480.7	468.0	456.6	452.6	449.9
15°	601.9	600.5	593.8	583.1	572.4	555.0	535.6	516.2	495.4	474.0	458.6
17.5°	636.7	634.0	627.3	615.9	603.2	587.1	571.7	557.0	536.9	512.8	488.0
20°	668.8	662.8	654.1	640.7	628.0	612.6	595.8	581.8	565.0	546.3	517.5
22.5°	697.6	692.2	678.2	660.1	647.4	632.6	617.9	604.5	589.1	567.7	541.6
25°	730.4	718.3	695.6	672.1	656.7	644.7	634.0	623.3	607.2	583.8	553.0
27.5°	746.5	729.7	704.9	681.5	666.8	654.1	642.7	632.0	613.9	585.1	549.6
30°	735.1	725.7	708.3	690.2	678.2	666.1	652.7	636.7	607.9	574.4	541.6
32.5°	721.7	717.0	709.0	698.3	690.9	678.8	660.1	634.0	593.8	561.0	525.5
35°	707.0	704.9	702.3	697.6	692.9	681.5	658.1	619.9	579.8	542.3	508.1
37.5°	691.6	689.6	691.6	690.9	686.9	672.1	636.7	601.2	559.7	521.5	455.2
40°	672.8	671.5	674.8	678.2	673.5	654.1	615.9	573.1	536.2	461.3	438.5
42.5°	650.7	650.1	656.1	658.8	652.1	623.3	578.4	547.0	469.3	445.2	391.6
45°	611.2	612.6	615.2	618.6	614.6	583.1	542.3	484.7	450.6	391.0	222.9
47.5°	478.7	480.0	493.4	521.5	540.9	530.2	495.4	452.6	403.0	223.6	70.3
50°	413.1	411.7	412.4	419.1	434.5	449.2	438.5	415.1	240.3	65.6	8.7
52.5°	181.4	201.5	222.9	283.2	322.0	362.9	370.9	259.8	78.3	8.7	8.7
55°	29.5	30.8	38.8	56.9	102.4	154.6	187.5	87.0	8.0	8.0	8.0
57.5°	6.0	6.0	6.0	6.7	10.0	21.4	24.8	7.4	7.4	7.4	8.0
60°	5.4	5.4	5.4	5.4	6.0	6.0	6.0	6.7	6.7	7.4	7.4
62.5°	5.4	5.4	5.4	5.4	5.4	5.4	6.0	6.0	6.7	6.7	7.4
65°	4.7	4.7	4.7	4.7	5.4	5.4	5.4	5.4	6.0	6.0	6.7
67.5°	4.0	4.0	4.0	4.0	4.7	4.7	4.7	5.4	5.4	5.4	6.0
70°	3.3	3.3	3.3	3.3	4.0	4.0	4.0	4.0	4.7	4.7	4.7
72.5°	2.7	2.7	2.7	2.7	3.3	3.3	3.3	3.3	4.0	4.0	4.0
75°	2.0	2.0	2.7	2.7	2.7	2.7	2.7	2.7	3.3	3.3	3.3
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.7	2.7	2.7
80°	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0
82.5°	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	310.6	310.6	310.6	310.6	310.6	310.6	310.6	310.6
2.5°	375.6	366.2	353.5	312.0	273.8	239.0	221.6	219.6
5°	423.1	414.4	393.0	310.6	237.7	185.4	154.0	145.3
7.5°	441.2	433.8	415.1	308.0	203.5	133.2	97.7	84.4
10°	445.9	441.2	425.1	303.3	168.0	87.7	46.2	35.5
12.5°	447.9	444.5	429.1	295.9	132.6	45.5	31.5	31.5
15°	451.2	447.9	433.1	286.5	97.7	30.8	30.1	30.1
17.5°	465.9	455.2	438.5	272.5	64.3	29.5	29.5	29.5
20°	490.1	466.6	441.2	253.7	40.2	28.8	28.8	29.5
22.5°	510.1	478.7	440.5	225.6	29.5	27.4	28.1	28.8
25°	518.8	484.0	434.5	192.1	25.4	26.8	28.1	28.1
27.5°	517.5	486.0	429.1	154.0	24.1	26.1	27.4	28.8
30°	510.1	480.7	417.1	113.8	22.8	25.4	27.4	28.8
32.5°	497.4	459.9	393.0	73.6	22.1	25.4	27.4	28.8
35°	455.9	426.5	358.2	35.5	21.4	24.8	28.1	28.8
37.5°	431.8	391.0	273.1	17.4	20.8	24.8	28.1	28.8
40°	393.0	291.9	123.2	16.1	20.8	24.8	28.1	29.5
42.5°	247.0	119.8	20.1	15.4	20.1	24.8	28.1	29.5
45°	90.4	16.1	10.7	15.4	20.1	24.1	28.1	29.5
47.5°	9.4	9.4	10.0	14.7	19.4	24.1	28.1	29.5
50°	8.7	9.4	10.0	14.1	18.7	24.1	27.4	29.5
52.5°	8.7	9.4	10.0	14.1	18.1	23.4	27.4	29.5
55°	8.7	9.4	9.4	13.4	17.4	22.8	26.8	28.1
57.5°	8.0	8.7	9.4	12.7	16.7	21.4	26.1	27.4
60°	8.0	8.7	9.4	11.4	16.1	20.1	24.8	25.4
62.5°	7.4	8.0	8.7	10.7	14.7	18.7	22.8	24.1
65°	7.4	7.4	8.0	9.4	13.4	16.7	20.8	22.1
67.5°	6.0	6.7	6.7	8.0	11.4	14.7	18.7	20.1
70°	5.4	5.4	6.0	7.4	10.0	12.7	16.1	17.4
72.5°	4.7	4.7	4.7	6.0	8.7	11.4	14.1	15.4
75°	4.0	4.0	4.0	4.7	7.4	9.4	12.1	12.7
77.5°	3.3	3.3	3.3	4.0	6.0	8.0	9.4	10.7
80°	2.7	2.7	2.7	3.3	4.7	6.0	7.4	8.0
82.5°	2.0	2.0	2.0	2.7	3.3	4.0	5.4	5.4
85°	1.3	1.3	1.3	2.0	2.0	2.7	3.3	3.3
87.5°	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)