

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: P1324076

Luminaire Tested: LDSQA3D17R409030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

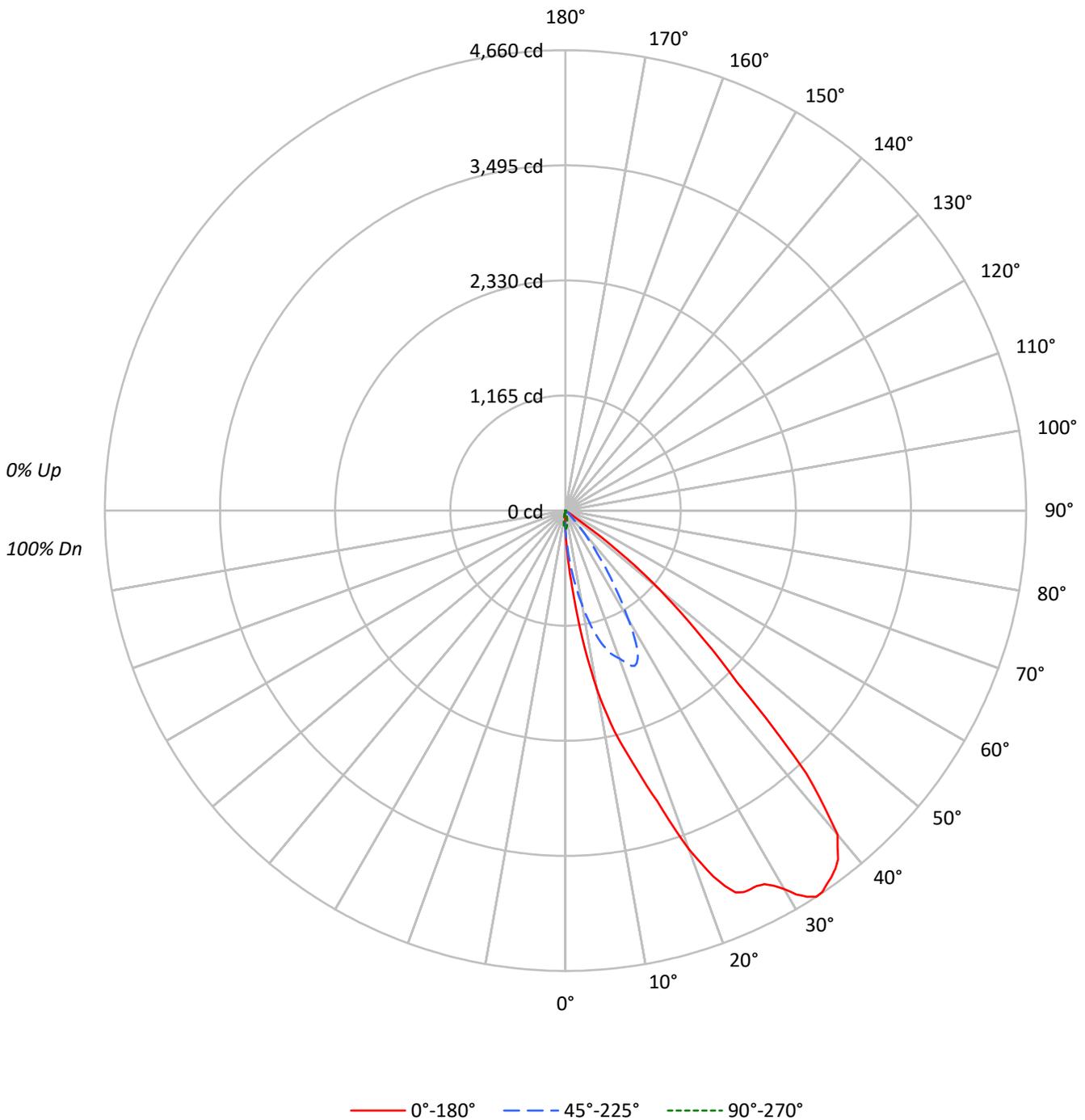
Test Method: LM-79-2019  
Report Number: P1324076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R409030D2WDE010 3LSQCA30R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1564.0 lumens  
Efficiency: N/A  
Efficacy: 57.3 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): 27.3  
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				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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	83
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	82	79	76	74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	51	45	42	40
10	62	50	43	38	60	49	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°	31500	31500	31500	31500	31500
5°	133723	91143	27644	4979	2489
10°	321411	169528	17121	507	0
15°	473042	246283	7185	0	0
20°	668662	291958	2639	0	0
25°	809894	324071	0	0	0
30°	879364	253494	0	0	0
35°	969650	148391	0	0	0
40°	962390	60229	0	0	0
45°	596039	17536	0	0	0
50°	331886	375	0	0	0
55°	32428	0	0	0	0
60°	0	0	482	0	0
65°	0	0	571	0	0
70°	0	705	1460	0	0
75°	0	932	1930	0	0
80°	0	1389	2876	0	0
85°	0	2766	5730	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 598840 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.3	2.2
10°-20°	201.6	12.9
20°-30°	460.2	29.4
30°-40°	543.4	34.7
40°-50°	290.3	18.6
50°-60°	31.5	2.0
60°-70°	0.6	0.0
70°-80°	1.1	0.1
80°-90°	1.0	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°	696.0	44.5
0°-40°	1239.4	79.2
0°-60°	1561.2	99.8
0°-90°	1564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1564.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	183	183	183	183	183	
5°	774	527	160	29	14	109
15°	2653	1381	40	0	0	788
25°	4262	1705	0	0	0	1935
35°	4612	706	0	0	0	2849
45°	2447	72	0	0	0	2018
55°	108	0	0	0	0	303
65°	0	0	1	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°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9
2.5°	426.3	417.7	423.5	411.9	411.9	386.0	387.5	365.9	334.2	254.9	181.5
5°	773.5	808.0	780.7	744.7	724.5	698.6	664.0	628.0	527.2	318.3	159.9
7.5°	1294.9	1292.0	1245.9	1207.0	1162.4	1093.2	1028.4	940.6	750.4	364.4	132.5
10°	1837.9	1827.8	1776.0	1742.8	1657.8	1558.5	1426.0	1284.8	969.4	380.3	97.9
12.5°	2290.2	2277.2	2234.0	2177.8	2084.2	1958.9	1816.3	1630.5	1199.8	363.0	63.4
15°	2653.1	2650.3	2608.5	2532.1	2434.2	2311.8	2150.5	1927.2	1381.3	318.3	40.3
17.5°	3083.8	3101.1	3026.2	2944.1	2802.9	2631.5	2434.2	2179.3	1515.3	263.6	25.9
20°	3648.4	3623.9	3554.8	3435.2	3299.9	3093.9	2814.5	2450.0	1593.0	204.5	14.4
21°	3821.3	3811.2	3739.2	3628.3	3478.5	3269.6	2981.5	2588.3	1629.0	182.9	11.5
22°	3997.0	3979.7	3923.5	3815.5	3674.3	3438.1	3121.3	2730.9	1675.1	159.9	7.2
23°	4128.1	4120.9	4077.6	3971.1	3825.6	3596.6	3272.5	2863.4	1706.8	138.3	4.3
24°	4228.9	4220.2	4177.0	4096.4	3971.1	3732.0	3425.2	3006.0	1719.8	119.5	1.4
25°	4262.0	4266.3	4240.4	4177.0	4071.9	3832.8	3539.0	3118.4	1705.4	102.3	0.0
26°	4263.5	4276.4	4257.7	4221.7	4135.3	3913.4	3645.5	3184.6	1667.9	86.4	0.0
27°	4263.5	4276.4	4257.7	4230.3	4145.3	3959.5	3703.2	3191.8	1610.3	73.5	0.0
28°	4283.6	4290.8	4266.3	4233.2	4141.0	3973.9	3719.0	3148.6	1518.1	63.4	0.0
29°	4339.8	4332.6	4292.3	4247.6	4136.7	3973.9	3671.5	3066.5	1402.9	53.3	0.0
30°	4421.9	4421.9	4358.5	4287.9	4156.9	3972.5	3595.1	2918.2	1274.7	43.2	0.0
31°	4532.8	4522.7	4459.3	4354.2	4200.1	3972.5	3482.8	2754.0	1156.6	37.4	0.0
32°	4607.7	4601.9	4541.4	4417.6	4270.7	3972.5	3361.8	2572.5	1028.4	30.2	0.0
33°	4659.5	4648.0	4578.9	4450.7	4313.9	3952.3	3226.4	2378.0	913.2	24.5	0.0
34°	4652.3	4649.5	4577.4	4444.9	4305.2	3868.8	3069.4	2162.0	806.6	20.2	0.0
35°	4612.0	4612.0	4524.2	4387.3	4243.3	3746.4	2913.8	1977.6	705.8	14.4	0.0
36°	4581.8	4570.2	4470.9	4318.2	4139.6	3553.4	2683.4	1791.8	597.7	11.5	0.0
37°	4537.1	4515.5	4404.6	4240.4	3992.7	3344.5	2441.4	1626.2	505.6	7.2	0.0
38°	4479.5	4446.4	4311.0	4149.7	3831.3	3104.0	2195.1	1440.4	420.6	4.3	0.0
39°	4374.4	4347.0	4207.3	4033.0	3638.3	2850.5	1956.0	1266.1	339.9	1.4	0.0
40°	4280.7	4233.2	4074.8	3874.6	3412.2	2563.8	1718.3	1094.7	267.9	0.0	0.0
42.5°	3609.5	3559.1	3523.1	3324.3	2718.0	1840.8	1199.8	701.5	139.7	0.0	0.0
45°	2447.2	2458.7	2346.3	2212.4	1793.2	1199.8	750.4	390.3	72.0	0.0	0.0
47.5°	1784.6	1754.4	1601.7	1348.2	1051.5	701.5	391.8	188.7	28.8	0.0	0.0
50°	1238.7	1181.1	1042.8	852.7	571.8	334.2	172.8	87.9	1.4	0.0	0.0
52.5°	672.6	632.3	535.8	388.9	237.7	128.2	69.1	36.0	0.0	0.0	0.0
55°	108.0	74.9	77.8	66.3	51.9	37.4	21.6	4.3	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.4	1.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.9	2.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.9	2.9



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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	1.4	1.4	2.9	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.9	2.9
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°	182.9	182.9	182.9	182.9
2.5°	122.4	83.5	63.4	54.7
5°	70.6	28.8	15.8	14.4
7.5°	34.6	10.1	5.8	5.8
10°	14.4	2.9	0.0	0.0
12.5°	4.3	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°	1.4	0.0	0.0	0.0
67.5°	1.4	0.0	0.0	0.0
70°	1.4	0.0	0.0	0.0
72.5°	1.4	0.0	0.0	0.0
75°	1.4	0.0	0.0	0.0
77.5°	1.4	0.0	0.0	0.0
80°	1.4	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	1.4	0.0	0.0	0.0
85°	1.4	0.0	0.0	0.0
87.5°	1.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)