

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: P1323996

Luminaire Tested: LDSQA3D17R159030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

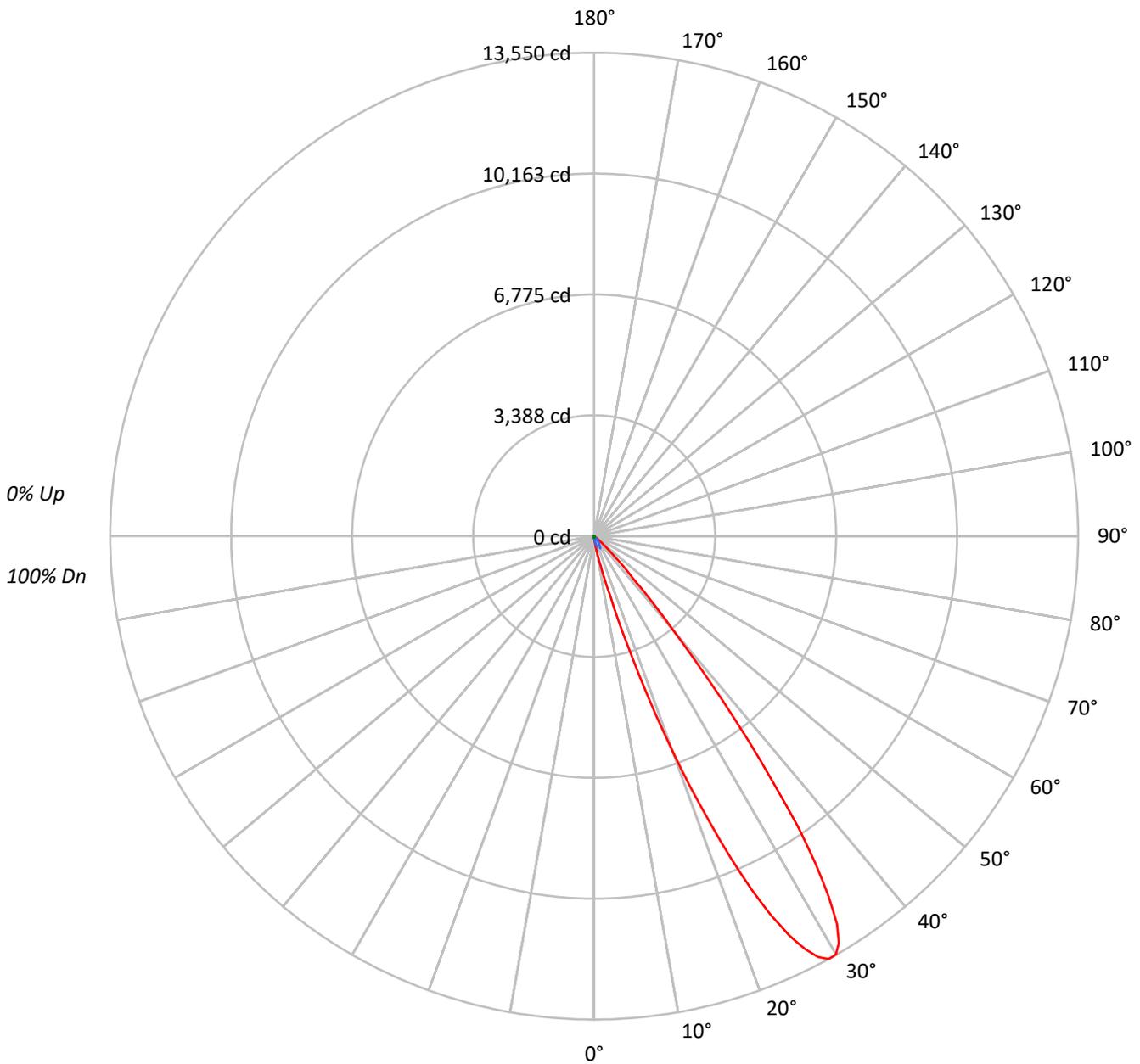
Test Method: LM-79-2019  
Report Number: P1323996  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R159030D2WDE010 3LSQCA30R 1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1480.0 lumens  
Efficiency: N/A  
Efficacy: 54.2 lumens/watt  
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26  
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

TEST NUMBER: P1323996  
CATALOG NUMBER: LDSQA3D17R159030D2WDE010 3LSQCA30R 1MW

### Luminous Intensity Polar Plot



— 0°-180°    - - - 45°-225°    - · - · - 90°-270°



TEST NUMBER: P1323996

CATALOG NUMBER: LDSQA3D17R159030D2WDE010 3LSQCA30R 1MW

**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	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	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	92	92	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83	83	83	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75	75	75	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68	68	68	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61	61	61	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55	55	55	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	50	50	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	45	45	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41	41	41	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37	37	37

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

	0°	45°	90°	135°	180°
0°	8422	8422	8422	8422	8422
5°	18170	13433	7970	4236	3492
10°	80567	25427	6296	1766	1259
15°	304693	58785	4368	767	517
20°	1171790	82859	2639	257	257
25°	2228272	77702	1368	0	0
30°	2691805	62702	577	0	0
35°	2099402	42680	294	0	0
40°	766121	21043	315	0	315
45°	196723	6308	341	0	706
50°	33170	777	375	375	1152
55°	4324	0	871	1291	2162
60°	482	482	1481	1998	2962
65°	571	571	2364	2934	3505
70°	705	705	2921	2921	3626
75°	932	932	3859	2861	3859
80°	0	1389	4265	2876	4265
85°	0	2766	8497	2766	2766

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 196723 cd/sqm



TEST NUMBER: P1323996

CATALOG NUMBER: LDSQA3D17R159030D2WDE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.7	0.5
10°-20°	113.4	7.7
20°-30°	629.0	42.5
30°-40°	607.7	41.1
40°-50°	105.7	7.1
50°-60°	7.6	0.5
60°-70°	4.5	0.3
70°-80°	3.6	0.2
80°-90°	1.8	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°	749.1	50.6
0°-40°	1356.8	91.7
0°-60°	1470.1	99.3
0°-90°	1480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1480.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	49	49	49	49	49	
5°	105	78	46	24	20	21
15°	1709	330	24	4	3	761
25°	11726	409	7	0	0	5243
35°	9986	203	1	0	0	5743
45°	808	26	1	0	3	868
55°	14	0	3	4	7	28
65°	1	1	6	7	9	1
75°	1	1	6	4	6	1
85°	0	1	4	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1323996

CATALOG NUMBER: LDSQA3D17R159030D2WDE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
2.5°	72.0	69.1	70.5	70.5	70.5	70.5	70.5	67.7	67.7	69.1	61.9
5°	105.1	105.1	103.7	105.1	105.1	103.7	100.8	99.3	99.3	96.5	77.7
7.5°	210.2	207.3	207.3	204.4	190.0	185.7	182.8	175.6	162.7	159.8	100.8
10°	460.7	462.1	452.1	439.1	437.7	416.1	408.9	395.9	371.4	347.0	145.4
12.5°	836.4	817.7	793.3	794.7	752.9	738.5	705.4	669.4	632.0	593.1	239.0
15°	1708.9	1655.6	1687.3	1609.5	1521.7	1422.4	1321.6	1194.9	1086.9	971.8	329.7
17.5°	3599.2	3651.0	3563.2	3230.6	3026.2	2785.8	2447.4	2120.6	1841.3	1616.7	403.1
20°	6393.6	6469.9	6171.9	5882.5	5385.8	4844.5	4280.1	3640.9	3029.1	2499.3	452.1
21°	7561.1	7515.1	7392.7	6929.1	6356.1	5728.4	5037.4	4332.0	3590.5	2902.4	456.4
22°	8689.8	8711.4	8426.4	7941.2	7345.2	6649.8	5806.2	4935.2	4136.2	3230.6	449.2
23°	9814.2	9883.3	9506.1	9051.2	8301.1	7516.5	6540.4	5600.3	4612.7	3606.4	434.8
24°	10855.1	10807.6	10552.8	9979.8	9177.9	8259.4	7245.8	6105.6	5004.3	3927.4	423.3
25°	11726.1	11720.3	11320.1	10763.0	9845.9	8828.0	7710.9	6518.8	5339.7	4144.8	408.9
26°	12438.7	12322.1	12006.8	11327.3	10421.8	9347.8	8092.4	6819.7	5528.3	4254.2	394.5
27°	12988.7	12905.2	12481.9	11775.0	10829.2	9641.5	8337.1	6969.4	5614.7	4290.2	375.8
28°	13358.7	13268.0	12817.4	12088.9	11053.8	9825.7	8466.7	7032.8	5614.7	4255.7	358.5
29°	13550.2	13426.3	12977.2	12196.9	11105.6	9847.3	8435.0	6970.9	5526.9	4149.1	338.3
30°	13535.8	13381.7	12910.9	12099.0	10951.6	9670.2	8257.9	6747.7	5328.2	3990.8	315.3
31°	13302.5	13129.8	12604.3	11767.8	10633.4	9336.2	7923.9	6448.3	5056.1	3784.9	292.3
32°	12828.9	12610.1	12097.5	11264.0	10143.9	8836.7	7438.8	5986.1	4648.7	3484.0	267.8
33°	12057.2	11836.9	11287.0	10505.3	9481.7	8203.2	6795.2	5489.5	4185.1	3125.5	247.6
34°	11091.2	10889.6	10416.0	9628.5	8646.6	7401.3	6055.2	4802.7	3704.3	2769.9	226.0
35°	9985.5	9664.5	9235.5	8612.1	7654.7	6402.2	5256.2	4163.5	3209.0	2397.0	203.0
36°	8489.7	8547.3	8092.4	7329.3	6536.1	5554.2	4454.3	3471.0	2683.5	2042.9	182.8
37°	7163.8	7073.1	6783.7	6193.5	5502.4	4527.8	3733.1	2942.7	2257.4	1727.6	161.2
38°	5778.8	5799.0	5515.4	5061.9	4376.6	3723.0	3004.6	2417.2	1888.8	1469.9	141.1
39°	4523.4	4507.6	4431.3	4010.9	3390.4	2961.4	2434.5	2004.0	1573.6	1239.6	119.5
40°	3407.7	3433.6	3255.1	3001.7	2640.4	2287.6	1939.2	1598.0	1301.5	1045.2	93.6
42.5°	1657.1	1697.4	1579.3	1514.5	1354.7	1216.5	1026.5	837.9	712.6	616.2	41.8
45°	807.7	784.6	774.5	742.9	705.4	630.6	558.6	479.4	418.9	361.4	25.9
47.5°	413.2	401.7	401.7	388.7	375.8	351.3	315.3	289.4	260.6	224.6	10.1
50°	123.8	122.4	120.9	122.4	118.1	122.4	125.3	126.7	115.2	113.7	2.9
52.5°	48.9	50.4	48.9	53.3	53.3	51.8	53.3	51.8	50.4	44.6	0.0
55°	14.4	14.4	14.4	14.4	14.4	14.4	15.8	17.3	15.8	17.3	0.0
57.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0
60°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4
62.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4



TEST NUMBER: P1323996

CATALOG NUMBER: LDSQA3D17R159030D2WDE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1323996

CATALOG NUMBER: LDSQA3D17R159030D2WDE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	67.5°	90°	112.5°	135°	157.5°	180°
0°	48.9	48.9	48.9	48.9	48.9	48.9
2.5°	57.6	50.4	41.8	34.6	31.7	30.2
5°	61.9	46.1	31.7	24.5	21.6	20.2
7.5°	66.2	41.8	24.5	17.3	13.0	11.5
10°	69.1	36.0	18.7	10.1	7.2	7.2
12.5°	69.1	28.8	13.0	5.8	4.3	4.3
15°	67.7	24.5	8.6	4.3	2.9	2.9
17.5°	66.2	18.7	5.8	2.9	1.4	2.9
20°	61.9	14.4	2.9	1.4	1.4	1.4
21°	60.5	13.0	2.9	1.4	1.4	1.4
22°	57.6	11.5	1.4	0.0	1.4	1.4
23°	54.7	8.6	1.4	0.0	0.0	0.0
24°	50.4	7.2	1.4	0.0	0.0	0.0
25°	47.5	7.2	1.4	0.0	0.0	0.0
26°	44.6	4.3	0.0	0.0	0.0	0.0
27°	40.3	2.9	0.0	0.0	0.0	0.0
28°	37.4	2.9	0.0	0.0	0.0	0.0
29°	33.1	2.9	0.0	0.0	0.0	0.0
30°	28.8	2.9	0.0	0.0	0.0	0.0
31°	23.0	1.4	0.0	0.0	0.0	0.0
32°	18.7	1.4	0.0	0.0	0.0	0.0
33°	13.0	1.4	0.0	0.0	0.0	0.0
34°	8.6	1.4	0.0	0.0	0.0	0.0
35°	7.2	1.4	0.0	0.0	0.0	0.0
36°	4.3	1.4	0.0	0.0	0.0	1.4
37°	4.3	1.4	0.0	0.0	0.0	1.4
38°	2.9	1.4	0.0	0.0	0.0	1.4
39°	1.4	1.4	0.0	0.0	0.0	1.4
40°	1.4	1.4	0.0	0.0	0.0	1.4
42.5°	0.0	1.4	0.0	0.0	1.4	2.9
45°	0.0	1.4	0.0	0.0	1.4	2.9
47.5°	0.0	1.4	0.0	0.0	2.9	2.9
50°	0.0	1.4	1.4	1.4	2.9	4.3
52.5°	0.0	2.9	1.4	2.9	4.3	5.8
55°	1.4	2.9	2.9	4.3	5.8	7.2
57.5°	1.4	4.3	4.3	5.8	7.2	7.2
60°	2.9	4.3	5.8	5.8	8.6	8.6
62.5°	2.9	5.8	5.8	5.8	8.6	8.6
65°	2.9	5.8	5.8	7.2	8.6	8.6
67.5°	2.9	5.8	5.8	5.8	7.2	8.6
70°	2.9	5.8	4.3	5.8	7.2	7.2
72.5°	2.9	5.8	4.3	4.3	5.8	7.2
75°	2.9	5.8	4.3	4.3	5.8	5.8
77.5°	2.9	4.3	4.3	2.9	4.3	4.3
80°	2.9	4.3	2.9	2.9	4.3	4.3



TEST NUMBER: P1323996  
CATALOG NUMBER: LDSQA3D17R159030D2WDE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.9	4.3	2.9	1.4	2.9	2.9
85°	2.9	4.3	2.9	1.4	1.4	1.4
87.5°	2.9	4.3	1.4	0.0	0.0	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)