

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: P1324095

Luminaire Tested: LDSQA3D17R509030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

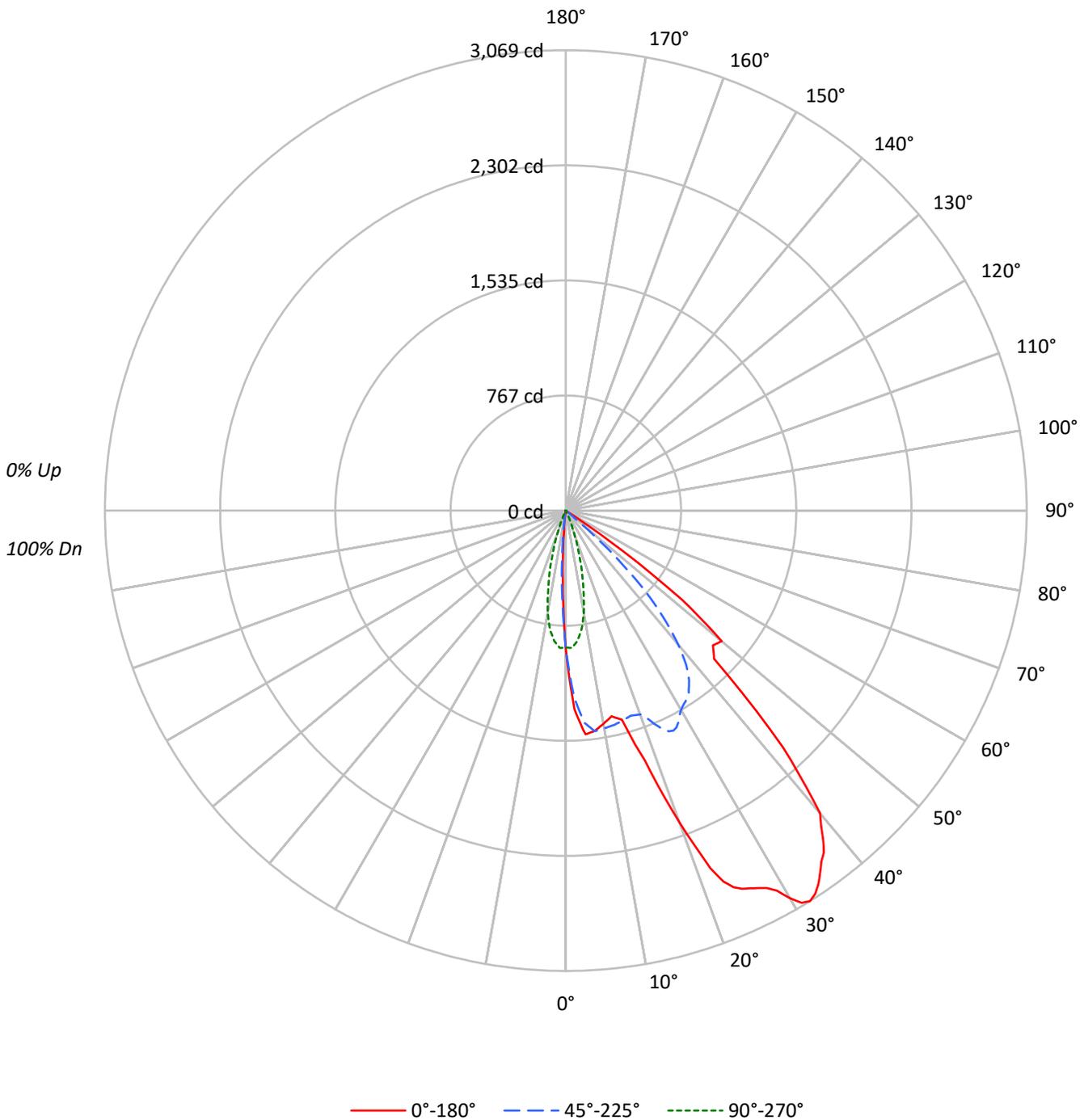
Test Method: LM-79-2019  
Report Number: P1324095  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R509030D2WDE010 3LSQCA30R 1MMS  
Description: 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: 1468.9 lumens  
Efficiency: N/A  
Efficacy: 53.8 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): 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				
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	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	89	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	82	78	75	74
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	75	71	68	66
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	69	65	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	64	59	55	54
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	55	49	46	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	157084	157084	157084	157084	157084
5°	258819	245611	150959	44845	22423
10°	252229	257772	120947	2273	3025
15°	257159	258710	72442	2318	767
20°	405350	264870	29837	0	0
25°	528445	308584	7126	0	0
30°	593136	305159	278	0	0
35°	620727	300524	0	0	0
40°	592155	261084	0	0	0
45°	340058	172318	0	0	0
50°	362886	19693	0	0	0
55°	103410	0	0	0	0
60°	0	0	482	0	0
65°	0	571	571	0	0
70°	0	705	705	0	0
75°	0	932	932	0	0
80°	0	1389	2876	1389	0
85°	0	2766	5730	2766	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 15°  
 Vertical Angle: 45°  
 Luminance: 375496 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.6	5.2
10°-20°	193.0	13.1
20°-30°	370.7	25.2
30°-40°	431.5	29.4
40°-50°	308.8	21.0
50°-60°	85.9	5.9
60°-70°	0.6	0.0
70°-80°	0.9	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°	640.3	43.6
0°-40°	1071.7	73.0
0°-60°	1466.5	99.8
0°-90°	1468.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1468.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	912	912	912	912	912	
5°	1497	1421	873	259	130	137
15°	1442	1451	406	13	4	465
25°	2781	1624	38	0	0	1265
35°	2952	1429	0	0	0	1827
45°	1396	708	0	0	0	1313
55°	344	0	0	0	0	434
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	3	1	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°	912.1	912.1	912.1	912.1	912.1	912.1	912.1	912.1	912.1	912.1	912.1
2.5°	1325.6	1332.8	1334.3	1317.0	1319.8	1295.3	1296.8	1279.5	1237.7	1092.2	916.4
5°	1497.1	1492.7	1497.1	1491.3	1497.1	1482.7	1474.0	1466.8	1420.7	1214.7	873.2
7.5°	1481.2	1475.5	1484.1	1487.0	1497.1	1492.7	1494.2	1498.5	1482.7	1280.9	799.7
10°	1442.3	1440.9	1445.2	1445.2	1456.7	1458.2	1463.9	1472.6	1474.0	1304.0	691.6
12.5°	1404.9	1400.5	1400.5	1399.1	1404.9	1403.4	1417.8	1438.0	1465.4	1289.6	543.2
15°	1442.3	1438.0	1432.2	1416.4	1404.9	1391.9	1393.3	1406.3	1451.0	1252.1	406.3
17.5°	1744.9	1721.8	1693.0	1642.6	1589.3	1497.1	1442.3	1407.7	1433.7	1194.5	270.9
20°	2211.7	2201.7	2155.6	2073.4	1987.0	1851.5	1682.9	1547.5	1445.2	1122.4	162.8
21°	2389.0	2383.2	2334.2	2257.9	2159.9	1995.6	1822.7	1659.9	1468.3	1092.2	128.2
22°	2570.5	2548.9	2510.0	2425.0	2322.7	2158.4	1965.4	1785.2	1514.4	1053.3	98.0
23°	2687.2	2674.3	2632.5	2564.8	2466.8	2306.8	2109.4	1913.5	1559.0	1010.1	73.5
24°	2747.8	2743.4	2710.3	2662.7	2579.2	2416.4	2229.0	2027.3	1596.5	959.6	53.3
25°	2780.9	2766.5	2746.3	2711.7	2648.3	2507.1	2340.0	2126.7	1623.9	909.2	37.5
26°	2801.1	2792.4	2760.7	2730.5	2669.9	2554.7	2412.0	2187.3	1631.1	847.2	25.9
27°	2824.1	2803.9	2773.7	2737.7	2669.9	2569.1	2439.4	2213.2	1622.4	783.8	17.3
28°	2848.6	2834.2	2792.4	2746.3	2665.6	2569.1	2429.3	2178.6	1596.5	723.3	10.1
29°	2896.2	2877.4	2825.6	2757.8	2667.1	2566.2	2390.4	2106.6	1561.9	655.6	5.8
30°	2982.6	2943.7	2880.3	2785.2	2677.2	2560.4	2325.6	1998.5	1534.5	579.2	1.4
31°	3050.3	3028.7	2955.2	2835.6	2706.0	2544.6	2249.2	1891.9	1515.8	513.0	0.0
32°	3069.1	3053.2	2999.9	2887.5	2755.0	2531.6	2162.8	1788.1	1501.4	439.5	0.0
33°	3047.5	3037.4	2981.2	2878.9	2767.9	2514.3	2063.3	1685.8	1485.5	373.2	0.0
34°	3007.1	2994.1	2945.2	2841.4	2734.8	2439.4	1968.2	1608.0	1462.5	311.2	0.0
35°	2952.4	2942.3	2891.8	2789.5	2674.3	2322.7	1873.1	1556.1	1429.4	249.3	0.0
36°	2893.3	2890.4	2825.6	2724.7	2596.5	2210.3	1757.9	1517.2	1396.2	197.4	0.0
37°	2854.4	2840.0	2769.4	2669.9	2504.2	2079.2	1665.7	1504.3	1350.1	152.7	0.0
38°	2783.8	2786.7	2706.0	2615.2	2410.6	1965.4	1590.7	1494.2	1298.2	110.9	0.0
39°	2700.2	2701.6	2618.1	2540.3	2299.6	1845.8	1528.8	1484.1	1233.4	70.6	0.0
40°	2633.9	2632.5	2537.4	2453.8	2180.0	1733.4	1495.6	1469.7	1161.3	40.3	0.0
42.5°	2141.1	2149.8	2161.3	2195.9	1899.1	1536.0	1463.9	1389.0	956.7	0.0	0.0
45°	1396.2	1429.4	1438.0	1541.7	1540.3	1455.3	1389.0	1244.9	707.5	0.0	0.0
47.5°	1328.5	1338.6	1357.3	1397.7	1419.3	1377.5	1242.0	1040.3	386.2	0.0	0.0
50°	1354.4	1353.0	1357.3	1357.3	1318.4	1210.3	1018.7	768.0	73.5	0.0	0.0
52.5°	972.6	1008.6	1047.5	1064.8	1014.4	900.5	743.5	451.0	0.0	0.0	0.0
55°	344.4	332.8	324.2	354.5	347.3	390.5	322.8	105.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.4	5.8	13.0	17.3	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	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	1.4	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	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	1.4	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	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°	912.1	912.1	912.1	912.1
2.5°	730.5	560.5	453.9	461.1
5°	513.0	259.4	159.9	129.7
7.5°	306.9	79.2	15.8	13.0
10°	144.1	13.0	14.4	17.3
12.5°	43.2	11.5	15.8	14.4
15°	11.5	13.0	7.2	4.3
17.5°	4.3	5.8	0.0	0.0
20°	2.9	0.0	0.0	0.0
21°	2.9	0.0	0.0	0.0
22°	1.4	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	1.4	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)