

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: P1323410

Luminaire Tested: LDSQA3D02R159030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

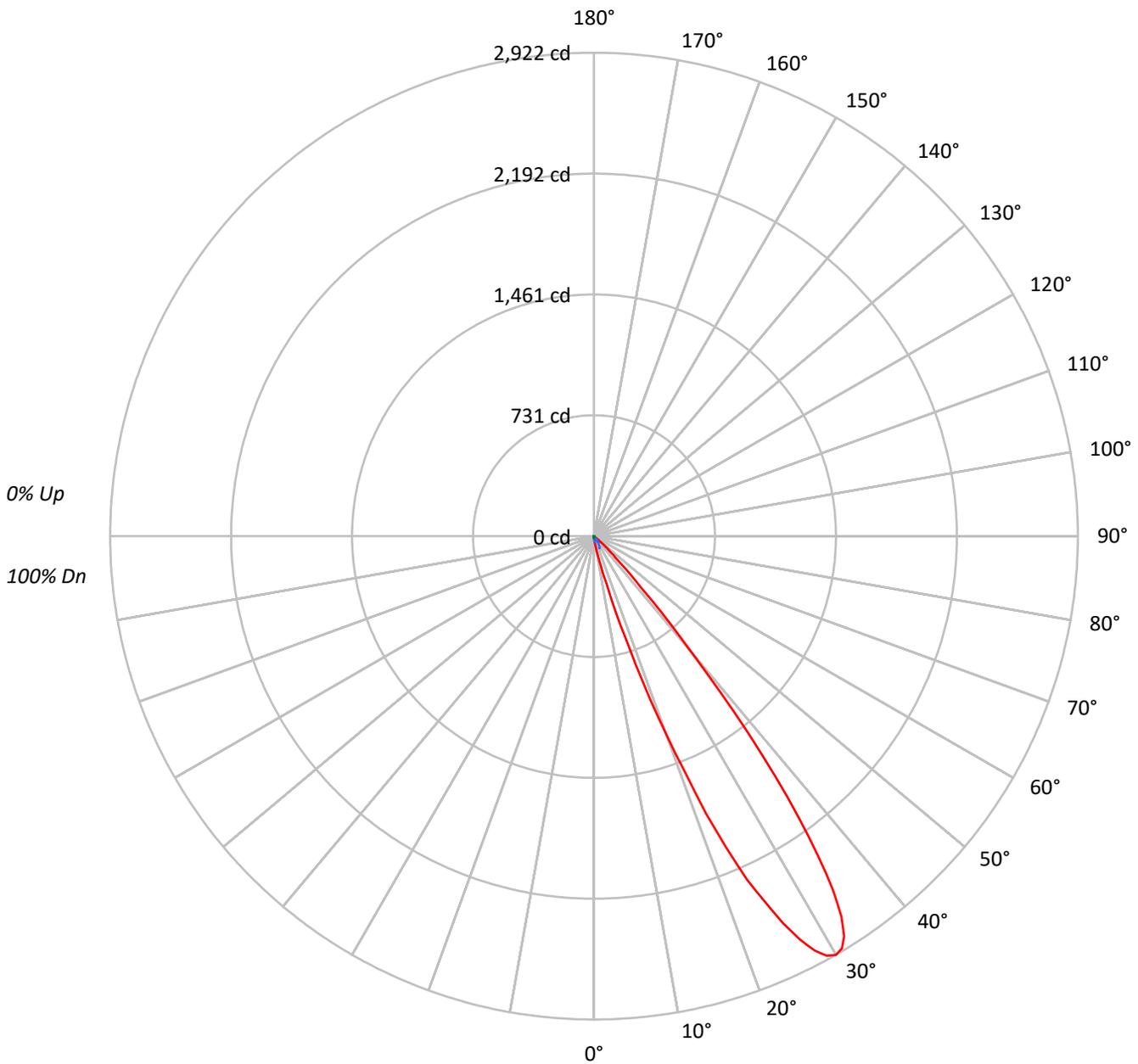
Test Method: LM-79-2019  
Report Number: P1323410  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R159030D2WDE010 3LSQCA30R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 309.0 lumens  
Efficiency: N/A  
Efficacy: 42.9 lumens/watt  
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17  
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

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### Luminous Intensity Polar Plot



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



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	76	65	58	52	74	64	57	52	63	56	52	61	56	52	60	55	51	50
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41
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°	1894	1894	1894	1894	1894
5°	5498	4149	1625	674	449
10°	14323	6191	1084	0	0
15°	57234	10145	571	0	0
20°	233860	14955	183	0	0
25°	462297	14822	0	0	0
30°	581045	11693	0	0	0
35°	495758	7169	0	0	0
40°	204115	2271	0	0	0
45°	44157	950	0	0	0
50°	5653	0	0	0	0
55°	480	0	90	0	0
60°	0	0	207	0	0
65°	0	0	245	0	0
70°	0	151	504	0	0
75°	0	200	665	0	0
80°	0	298	992	0	0
85°	0	593	1976	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2°  
 Vertical Angle: 45°  
 Luminance: 46228 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.5	0.5
10°-20°	21.7	7.0
20°-30°	126.2	40.9
30°-40°	135.3	43.8
40°-50°	22.8	7.4
50°-60°	0.7	0.2
60°-70°	0.2	0.1
70°-80°	0.3	0.1
80°-90°	0.3	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°	149.4	48.3
0°-40°	284.7	92.1
0°-60°	308.2	99.8
0°-90°	309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	309.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	32	24	9	4	3	4
15°	321	57	3	0	0	148
25°	2433	78	0	0	0	1101
35°	2358	34	0	0	0	1355
45°	181	4	0	0	0	214
55°	2	0	0	0	0	4
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
2.5°	20.1	20.5	20.8	20.8	20.8	20.8	20.5	20.5	20.5	20.5	20.1
5°	31.8	31.8	31.8	31.8	31.8	31.8	31.5	31.5	31.5	31.5	31.5
7.5°	45.5	44.8	45.2	44.2	44.8	44.5	44.2	44.8	44.8	43.2	43.2
10°	81.9	81.6	78.3	79.0	79.6	79.3	79.3	77.3	77.0	75.7	74.4
12.5°	157.9	161.5	164.1	164.1	157.9	160.2	156.0	156.9	157.6	155.6	148.8
15°	321.0	326.9	320.7	326.6	324.3	315.8	306.4	293.7	298.6	289.8	286.9
17.5°	703.1	716.5	710.9	684.0	692.8	672.0	659.0	654.1	640.4	599.8	582.9
20°	1276.0	1292.2	1277.0	1245.5	1255.5	1216.2	1206.1	1196.7	1136.3	1114.2	1043.4
21°	1517.1	1530.4	1536.3	1503.5	1483.3	1452.1	1426.1	1417.7	1381.0	1338.4	1265.6
22°	1808.2	1792.6	1757.5	1762.1	1732.2	1706.5	1670.5	1636.3	1595.4	1535.9	1475.8
23°	2049.3	2031.1	2014.6	1994.4	1962.3	1944.1	1892.4	1855.0	1801.7	1738.1	1680.2
24°	2273.9	2245.9	2235.5	2199.8	2190.7	2149.7	2107.8	2059.1	1994.7	1926.8	1862.8
25°	2432.8	2437.0	2427.9	2423.7	2377.2	2335.3	2293.7	2218.6	2163.7	2103.6	2005.1
26°	2603.0	2605.0	2600.4	2569.2	2527.3	2486.4	2432.8	2367.4	2287.8	2221.2	2132.2
27°	2733.3	2725.5	2719.0	2682.0	2647.5	2595.9	2547.1	2469.8	2392.1	2312.9	2209.5
28°	2837.3	2822.7	2814.5	2782.7	2742.4	2679.0	2619.3	2547.1	2469.5	2384.3	2272.6
29°	2900.0	2884.4	2875.3	2840.2	2793.8	2738.2	2677.7	2598.5	2515.0	2420.1	2307.7
30°	2921.8	2912.7	2898.4	2862.0	2813.9	2756.1	2694.0	2607.9	2520.5	2423.3	2304.4
31°	2907.5	2895.8	2882.1	2842.8	2790.8	2735.6	2663.5	2573.1	2481.2	2388.6	2262.5
32°	2850.6	2843.5	2826.9	2774.3	2732.0	2660.5	2589.4	2504.9	2404.5	2305.1	2191.0
33°	2744.0	2732.3	2718.0	2670.0	2616.0	2547.5	2476.6	2390.2	2290.4	2185.5	2060.1
34°	2581.6	2566.6	2548.8	2516.6	2447.7	2388.2	2306.4	2205.3	2122.8	2022.0	1908.6
35°	2358.0	2336.2	2314.8	2290.4	2213.1	2158.2	2102.9	2014.9	1935.3	1840.4	1712.1
36°	2107.2	2098.7	2081.2	2016.8	1991.8	1917.1	1872.6	1771.5	1707.2	1614.3	1508.3
37°	1823.5	1773.8	1799.1	1763.1	1687.7	1664.3	1611.3	1524.6	1455.0	1356.9	1280.2
38°	1519.4	1486.9	1504.8	1468.4	1429.0	1375.1	1334.8	1271.5	1193.5	1116.5	1043.7
39°	1204.2	1177.9	1197.4	1172.7	1112.9	1090.5	1054.7	1006.3	943.6	883.5	814.6
40°	907.9	874.1	900.1	865.0	837.7	801.0	782.8	738.2	699.2	663.2	619.3
42.5°	414.6	411.0	405.2	392.5	389.6	389.9	367.5	352.9	333.1	310.0	296.0
45°	181.3	185.9	189.8	182.6	182.3	178.4	177.1	167.3	163.4	156.0	146.9
47.5°	89.4	91.0	90.0	92.0	90.3	87.7	87.1	85.8	81.9	81.6	77.3
50°	21.1	20.8	20.8	21.1	20.8	20.8	20.5	19.8	19.5	19.8	18.8
52.5°	6.8	7.1	6.8	6.5	6.8	7.1	6.8	6.8	6.8	6.8	6.8
55°	1.6	1.6	1.6	1.6	1.6	1.6	1.3	1.3	1.6	1.6	1.6
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
2.5°	19.8	16.9	14.0	11.0	8.1	6.5	6.2	5.8
5°	29.9	24.0	15.9	9.4	5.5	3.9	2.9	2.6
7.5°	40.3	29.9	17.5	7.8	3.9	1.6	0.6	0.3
10°	57.8	35.4	18.2	6.2	1.9	0.0	0.0	0.0
12.5°	113.4	40.6	17.9	4.9	0.3	0.0	0.0	0.0
15°	188.5	56.9	16.6	3.2	0.0	0.0	0.0	0.0
17.5°	308.7	73.4	14.3	2.3	0.0	0.0	0.0	0.0
20°	478.6	81.6	11.0	1.0	0.0	0.0	0.0	0.0
21°	561.2	82.2	9.7	0.6	0.0	0.0	0.0	0.0
22°	632.6	82.2	8.4	0.3	0.0	0.0	0.0	0.0
23°	698.9	81.2	7.5	0.0	0.0	0.0	0.0	0.0
24°	753.5	79.9	6.8	0.0	0.0	0.0	0.0	0.0
25°	794.5	78.0	6.2	0.0	0.0	0.0	0.0	0.0
26°	813.3	75.4	5.2	0.0	0.0	0.0	0.0	0.0
27°	822.7	71.8	4.5	0.0	0.0	0.0	0.0	0.0
28°	816.2	67.9	3.9	0.0	0.0	0.0	0.0	0.0
29°	800.0	63.7	2.9	0.0	0.0	0.0	0.0	0.0
30°	778.9	58.8	2.3	0.0	0.0	0.0	0.0	0.0
31°	748.0	53.9	1.6	0.0	0.0	0.0	0.0	0.0
32°	705.7	49.1	1.3	0.0	0.0	0.0	0.0	0.0
33°	649.2	43.9	0.6	0.0	0.0	0.0	0.0	0.0
34°	579.4	38.7	0.3	0.0	0.0	0.0	0.0	0.0
35°	501.0	34.1	0.0	0.0	0.0	0.0	0.0	0.0
36°	433.8	29.2	0.0	0.0	0.0	0.0	0.0	0.0
37°	366.2	23.4	0.0	0.0	0.0	0.0	0.0	0.0
38°	306.7	18.5	0.0	0.0	0.0	0.0	0.0	0.0
39°	253.8	14.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	210.2	10.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	116.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	70.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	40.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.3	0.6	0.3	0.0	0.0	0.0
65°	0.0	0.0	0.6	0.6	0.3	0.0	0.0	0.0
67.5°	0.0	0.0	0.6	1.0	0.3	0.0	0.0	0.0
70°	0.0	0.3	0.6	1.0	0.3	0.0	0.0	0.0
72.5°	0.0	0.3	0.6	1.0	0.3	0.0	0.0	0.0
75°	0.0	0.3	0.6	1.0	0.3	0.0	0.0	0.0
77.5°	0.0	0.3	0.6	1.0	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.6	1.0	0.3	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.3	0.6	1.0	0.3	0.0	0.0	0.0
85°	0.0	0.3	0.6	1.0	0.3	0.0	0.0	0.0
87.5°	0.0	0.3	0.6	1.0	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)