

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: P1324150

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQCA30R 1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

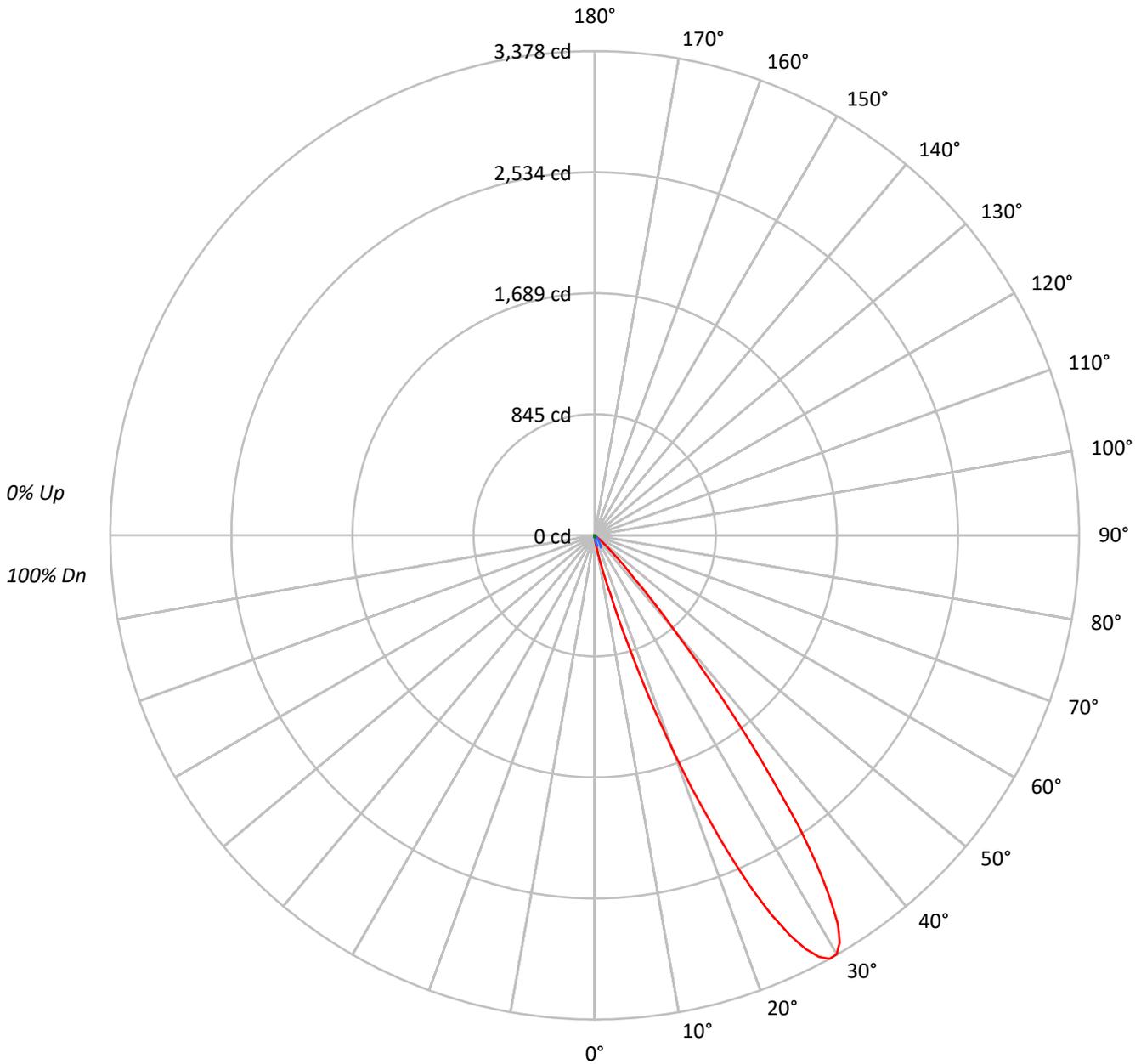
Test Method: LM-79-2019  
Report Number: P1324150  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R15W2N902750DE010 3LSQCA30R 1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 369.0 lumens  
Efficiency: N/A  
Efficacy: 62.5 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): 5.9  
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	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	93	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	69	64	72	67	64	71	66	63	61				
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55				
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50				
8	71	60	53	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45				
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41				
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37				

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

	0°	45°	90°	135°	180°
0°	2101	2101	2101	2101	2101
5°	4529	3354	1988	1055	864
10°	20094	6348	1574	437	315
15°	75973	14656	1088	196	125
20°	292159	20655	660	73	73
25°	555562	19364	342	0	0
30°	671132	15631	139	0	0
35°	523426	10638	84	0	0
40°	191008	5238	90	0	90
45°	49053	1583	97	0	170
50°	8279	188	107	107	295
55°	1081	0	210	330	540
60°	138	138	379	482	758
65°	163	163	571	734	897
70°	201	201	705	705	906
75°	266	266	932	732	932
80°	0	397	1091	694	1091
85°	0	790	2174	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 49053 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.7	0.5
10°-20°	28.3	7.7
20°-30°	156.8	42.5
30°-40°	151.5	41.1
40°-50°	26.4	7.1
50°-60°	1.9	0.5
60°-70°	1.1	0.3
70°-80°	0.9	0.2
80°-90°	0.5	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°	186.8	50.6
0°-40°	338.3	91.7
0°-60°	366.5	99.3
0°-90°	369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	369.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	26	19	12	6	5	5
15°	426	82	6	1	1	190
25°	2924	102	2	0	0	1307
35°	2490	51	0	0	0	1432
45°	201	6	0	0	1	216
55°	4	0	1	1	2	7
65°	0	0	1	2	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
2.5°	17.9	17.2	17.6	17.6	17.6	17.6	17.6	16.9	16.9	17.2	15.4
5°	26.2	26.2	25.8	26.2	26.2	25.8	25.1	24.8	24.8	24.0	19.4
7.5°	52.4	51.7	51.7	51.0	47.4	46.3	45.6	43.8	40.6	39.8	25.1
10°	114.9	115.2	112.7	109.5	109.1	103.7	101.9	98.7	92.6	86.5	36.3
12.5°	208.5	203.9	197.8	198.1	187.7	184.1	175.9	166.9	157.6	147.9	59.6
15°	426.1	412.8	420.7	401.3	379.4	354.6	329.5	297.9	271.0	242.3	82.2
17.5°	897.4	910.3	888.4	805.5	754.5	694.6	610.2	528.7	459.1	403.1	100.5
20°	1594.1	1613.1	1538.8	1466.6	1342.8	1207.8	1067.1	907.8	755.2	623.1	112.7
21°	1885.2	1873.7	1843.2	1727.6	1584.7	1428.2	1255.9	1080.1	895.2	723.6	113.8
22°	2166.6	2172.0	2100.9	1979.9	1831.3	1658.0	1447.6	1230.5	1031.2	805.5	112.0
23°	2446.9	2464.2	2370.1	2256.7	2069.7	1874.0	1630.7	1396.3	1150.1	899.2	108.4
24°	2706.4	2694.6	2631.1	2488.2	2288.3	2059.3	1806.6	1522.3	1247.7	979.2	105.5
25°	2923.6	2922.2	2822.4	2683.5	2454.8	2201.0	1922.5	1625.3	1331.3	1033.4	101.9
26°	3101.3	3072.2	2993.6	2824.2	2598.4	2330.6	2017.6	1700.3	1378.3	1060.7	98.4
27°	3238.4	3217.6	3112.0	2935.8	2700.0	2403.8	2078.6	1737.6	1399.9	1069.7	93.7
28°	3330.6	3308.0	3195.7	3014.1	2756.0	2449.8	2111.0	1753.4	1399.9	1061.0	89.4
29°	3378.4	3347.5	3235.5	3041.0	2768.9	2455.2	2103.1	1738.0	1378.0	1034.5	84.4
30°	3374.8	3336.4	3219.0	3016.6	2730.5	2411.0	2058.9	1682.4	1328.5	995.0	78.6
31°	3316.6	3273.6	3142.6	2934.0	2651.2	2327.8	1975.6	1607.7	1260.6	943.7	72.9
32°	3198.6	3144.0	3016.2	2808.4	2529.1	2203.2	1854.7	1492.5	1159.0	868.6	66.8
33°	3006.2	2951.2	2814.1	2619.2	2364.0	2045.3	1694.2	1368.7	1043.5	779.3	61.7
34°	2765.3	2715.1	2597.0	2400.6	2155.8	1845.3	1509.7	1197.4	923.6	690.6	56.4
35°	2489.6	2409.6	2302.6	2147.2	1908.5	1596.2	1310.5	1038.1	800.1	597.6	50.6
36°	2116.7	2131.1	2017.6	1827.4	1629.6	1384.8	1110.6	865.4	669.1	509.3	45.6
37°	1786.1	1763.5	1691.3	1544.2	1371.9	1128.9	930.7	733.7	562.8	430.7	40.2
38°	1440.8	1445.8	1375.1	1262.0	1091.2	928.2	749.1	602.7	470.9	366.5	35.2
39°	1127.8	1123.9	1104.8	1000.0	845.3	738.3	607.0	499.7	392.3	309.1	29.8
40°	849.6	856.1	811.6	748.4	658.3	570.4	483.5	398.4	324.5	260.6	23.3
42.5°	413.1	423.2	393.8	377.6	337.8	303.3	255.9	208.9	177.7	153.6	10.4
45°	201.4	195.6	193.1	185.2	175.9	157.2	139.3	119.5	104.5	90.1	6.5
47.5°	103.0	100.1	100.1	96.9	93.7	87.6	78.6	72.1	65.0	56.0	2.5
50°	30.9	30.5	30.2	30.5	29.4	30.5	31.2	31.6	28.7	28.4	0.7
52.5°	12.2	12.6	12.2	13.3	13.3	12.9	13.3	12.9	12.6	11.1	0.0
55°	3.6	3.6	3.6	3.6	3.6	3.6	3.9	4.3	3.9	4.3	0.0
57.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4



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**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	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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):**

	67.5°	90°	112.5°	135°	157.5°	180°
0°	12.2	12.2	12.2	12.2	12.2	12.2
2.5°	14.4	12.6	10.4	8.6	7.9	7.5
5°	15.4	11.5	7.9	6.1	5.4	5.0
7.5°	16.5	10.4	6.1	4.3	3.2	2.9
10°	17.2	9.0	4.7	2.5	1.8	1.8
12.5°	17.2	7.2	3.2	1.4	1.1	1.1
15°	16.9	6.1	2.2	1.1	0.7	0.7
17.5°	16.5	4.7	1.4	0.7	0.4	0.7
20°	15.4	3.6	0.7	0.4	0.4	0.4
21°	15.1	3.2	0.7	0.4	0.4	0.4
22°	14.4	2.9	0.4	0.0	0.4	0.4
23°	13.6	2.2	0.4	0.0	0.0	0.0
24°	12.6	1.8	0.4	0.0	0.0	0.0
25°	11.8	1.8	0.4	0.0	0.0	0.0
26°	11.1	1.1	0.0	0.0	0.0	0.0
27°	10.1	0.7	0.0	0.0	0.0	0.0
28°	9.3	0.7	0.0	0.0	0.0	0.0
29°	8.3	0.7	0.0	0.0	0.0	0.0
30°	7.2	0.7	0.0	0.0	0.0	0.0
31°	5.7	0.4	0.0	0.0	0.0	0.0
32°	4.7	0.4	0.0	0.0	0.0	0.0
33°	3.2	0.4	0.0	0.0	0.0	0.0
34°	2.2	0.4	0.0	0.0	0.0	0.0
35°	1.8	0.4	0.0	0.0	0.0	0.0
36°	1.1	0.4	0.0	0.0	0.0	0.4
37°	1.1	0.4	0.0	0.0	0.0	0.4
38°	0.7	0.4	0.0	0.0	0.0	0.4
39°	0.4	0.4	0.0	0.0	0.0	0.4
40°	0.4	0.4	0.0	0.0	0.0	0.4
42.5°	0.0	0.4	0.0	0.0	0.4	0.7
45°	0.0	0.4	0.0	0.0	0.4	0.7
47.5°	0.0	0.4	0.0	0.0	0.7	0.7
50°	0.0	0.4	0.4	0.4	0.7	1.1
52.5°	0.0	0.7	0.4	0.7	1.1	1.4
55°	0.4	0.7	0.7	1.1	1.4	1.8
57.5°	0.4	1.1	1.1	1.4	1.8	1.8
60°	0.7	1.1	1.4	1.4	2.2	2.2
62.5°	0.7	1.4	1.4	1.4	2.2	2.2
65°	0.7	1.4	1.4	1.8	2.2	2.2
67.5°	0.7	1.4	1.4	1.4	1.8	2.2
70°	0.7	1.4	1.1	1.4	1.8	1.8
72.5°	0.7	1.4	1.1	1.1	1.4	1.8
75°	0.7	1.4	1.1	1.1	1.4	1.4
77.5°	0.7	1.1	1.1	0.7	1.1	1.1
80°	0.7	1.1	0.7	0.7	1.1	1.1



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**CANDELA DISTRIBUTION (continued):**

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.7	1.1	0.7	0.4	0.7	0.7
85°	0.7	1.1	0.7	0.4	0.4	0.4
87.5°	0.7	1.1	0.4	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)