

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: P1325786

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQCDR1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

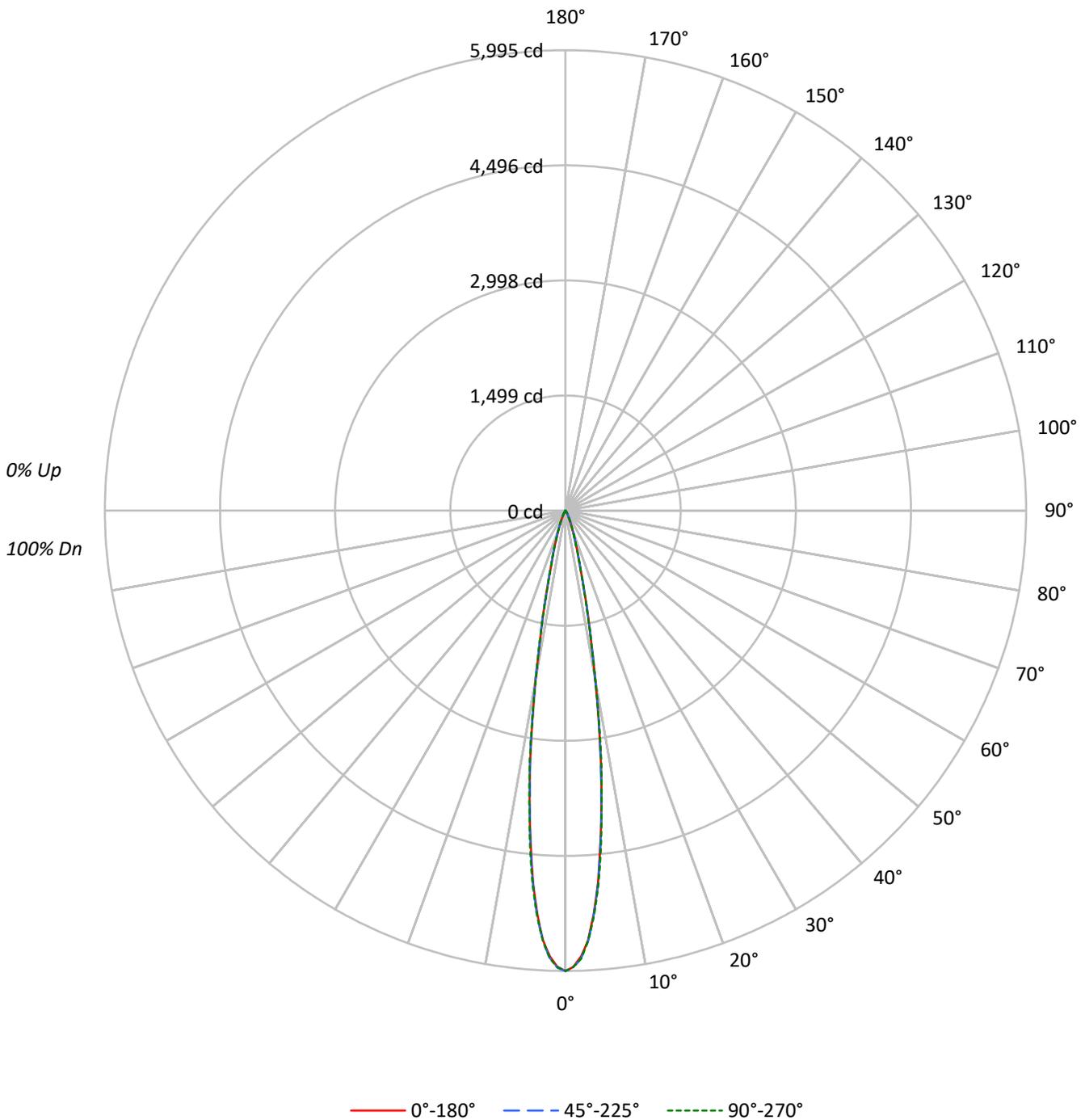
Test Method: LM-79-2019  
Report Number: P1325786  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R15W2N902750DE010 3LSQCDR1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 673.0 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 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





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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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

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

	0°	45°	90°
0°	1032458	1032458	1032458
5°	839542	842464	845386
10°	390978	391363	389229
15°	120975	125308	122954
20°	48238	50932	47652
25°	20181	23791	19174
30°	8193	10938	7557
35°	2670	5004	2439
40°	944	2023	944
45°	390	633	390
50°	295	429	295
55°	330	330	330
60°	379	379	379
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 633 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.2	55.8
10°-20°	224.4	33.3
20°-30°	57.1	8.5
30°-40°	12.4	1.8
40°-50°	2.0	0.3
50°-60°	1.0	0.1
60°-70°	0.6	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
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°	656.7	97.6
0°-40°	669.1	99.4
0°-60°	672.1	99.9
0°-90°	673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5995	5995	5995	5995	5995	
5°	4856	4863	4873	4851	4890	374
15°	678	698	703	693	690	223
25°	106	114	125	111	101	54
35°	13	16	24	16	12	10
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5994.9	5994.9	5994.9	5994.9	5994.9
1°	5942.6	5952.6	5954.2	5952.6	5944.2
2°	5808.9	5838.5	5832.2	5819.5	5837.4
3°	5602.3	5617.1	5615.0	5616.0	5611.8
4°	5266.2	5292.1	5277.3	5288.4	5289.5
5°	4856.2	4863.0	4873.1	4850.9	4890.0
6°	4351.5	4395.4	4356.8	4394.9	4410.2
7°	3838.4	3863.8	3814.7	3841.1	3856.9
8°	3313.7	3269.3	3296.3	3296.8	3349.1
9°	2747.3	2756.2	2779.0	2753.1	2775.8
10°	2235.7	2256.4	2237.9	2228.9	2225.7
11°	1765.4	1788.7	1787.1	1789.8	1772.3
12°	1420.4	1408.2	1416.2	1390.3	1401.9
13°	1105.5	1106.0	1099.6	1089.1	1079.6
14°	866.1	860.8	875.6	862.4	850.2
15°	678.5	697.5	702.8	692.8	689.6
17.5°	418.5	419.0	426.4	416.9	415.9
20°	263.2	269.5	277.9	267.9	260.0
22.5°	166.5	172.3	185.5	172.8	161.7
25°	106.2	113.6	125.2	111.0	100.9
27.5°	66.6	73.5	84.5	71.3	63.9
30°	41.2	46.0	55.0	44.9	38.0
32.5°	23.8	28.5	35.9	26.9	22.7
35°	12.7	16.4	23.8	15.9	11.6
37.5°	7.4	9.5	15.3	8.5	6.9
40°	4.2	5.8	9.0	5.3	4.2
42.5°	2.6	3.7	4.2	3.2	2.1
45°	1.6	2.1	2.6	2.1	1.6
47.5°	1.1	1.6	2.1	1.1	1.1
50°	1.1	1.1	1.6	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)