

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: P1325805

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQPHR1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

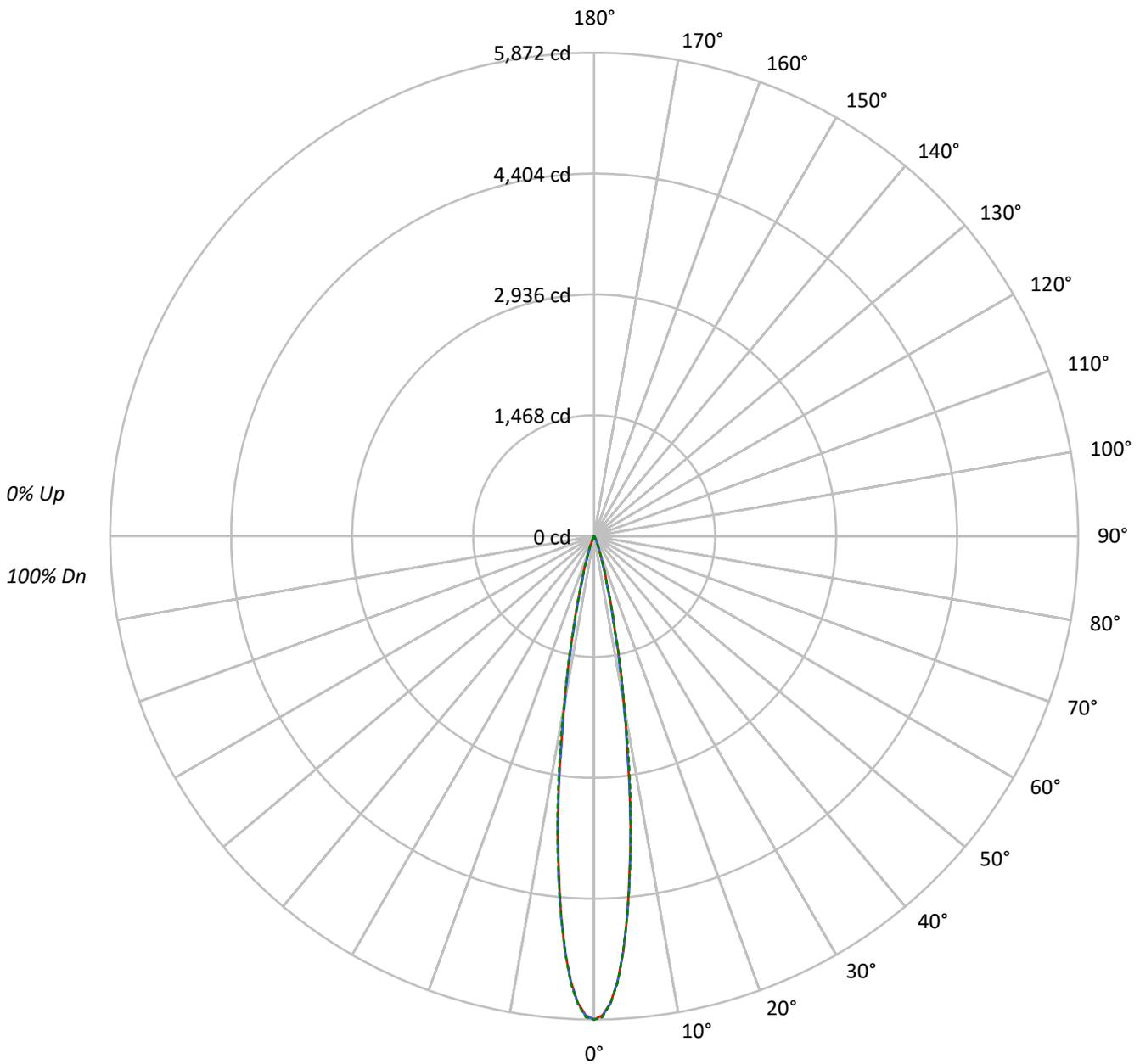
Test Method: LM-79-2019  
Report Number: P1325805  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R15W2N902750DE010 3LSQPHR1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,  
3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 588.0 lumens  
Efficiency: N/A  
Efficacy: 65.3 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
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



0% Up  
100% Dn

— 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

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

	0°	45°	90°
0°	1011343	1011343	1011343
5°	797757	799884	797048
10°	364973	355408	372686
15°	108512	96887	106319
20°	32220	31248	33833
25°	9159	11839	10622
30°	3281	3500	3162
35°	1240	1114	1114
40°	540	270	405
45°	292	146	292
50°	161	0	161
55°	180	0	180
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 47.5°  
 Luminance: 306 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.8	60.3
10°-20°	197.0	33.5
20°-30°	31.4	5.3
30°-40°	4.1	0.7
40°-50°	0.6	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	583.1	99.2
0°-40°	587.3	99.9
0°-60°	588.0	100.0
0°-90°	588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	588.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5872	5872	5872	5872	5872	
5°	4614	4653	4627	4607	4610	354
15°	609	601	543	577	596	201
25°	48	54	62	62	56	29
35°	6	6	5	6	5	4
45°	1	1	1	1	1	1
55°	1	0	0	0	1	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5872.3	5872.3	5872.3	5872.3	5872.3	5872.3	5872.3	5872.3	5872.3	5872.3	5872.3
1°	5821.8	5828.2	5836.5	5828.8	5821.8	5828.2	5819.4	5820.6	5813.5	5828.8	5845.9
2°	5673.6	5681.8	5677.1	5666.5	5683.0	5684.2	5665.9	5657.1	5655.9	5671.2	5677.1
3°	5411.3	5430.1	5430.7	5427.2	5421.9	5411.3	5392.5	5404.8	5387.8	5377.2	5437.2
4°	5062.6	5079.0	5098.5	5085.5	5046.7	5050.2	5062.6	5020.8	5023.2	5047.3	5049.1
5°	4614.5	4664.5	4666.8	4648.6	4618.0	4626.8	4618.0	4606.2	4610.4	4625.7	4610.4
6°	4087.0	4143.4	4101.7	4141.7	4132.9	4144.0	4147.0	4134.6	4143.4	4134.0	4131.1
7°	3631.2	3588.3	3594.2	3577.7	3595.4	3607.1	3614.2	3593.0	3610.1	3637.1	3644.8
8°	3066.1	3053.8	3041.4	3070.8	3062.6	3076.7	3085.5	3109.1	3107.9	3116.1	3143.2
9°	2528.1	2546.3	2557.5	2531.6	2553.9	2510.4	2525.7	2588.6	2572.2	2588.6	2636.8
10°	2087.0	2101.7	2085.2	2084.7	2061.1	2032.3	2030.6	2054.1	2103.5	2142.3	2131.1
12.5°	1151.4	1164.4	1166.1	1164.9	1122.6	1075.0	1083.8	1102.6	1133.2	1146.1	1167.3
15°	608.6	608.1	614.5	596.3	573.9	543.4	545.7	571.6	594.5	600.4	596.3
17.5°	312.3	313.4	318.1	313.4	289.9	292.9	299.3	302.3	315.8	321.1	318.1
20°	175.8	176.4	175.8	177.6	168.2	170.5	178.8	179.4	182.3	185.2	184.6
22.5°	100.6	101.1	104.7	103.5	101.1	104.1	105.9	108.8	110.0	108.8	112.3
25°	48.2	48.8	48.8	55.9	59.4	62.3	63.5	62.3	61.2	56.5	55.9
27.5°	27.6	27.6	28.8	29.4	30.6	35.9	35.3	29.4	24.7	24.7	25.3
30°	16.5	15.9	15.9	16.5	17.1	17.6	16.5	15.9	15.9	16.5	15.9
32.5°	10.0	10.0	10.0	9.4	9.4	8.8	8.8	10.0	10.0	10.0	10.0
35°	5.9	5.9	5.9	5.9	5.3	5.3	5.3	5.9	5.9	5.3	5.3
37.5°	3.5	3.5	3.5	2.9	2.9	2.4	2.9	2.9	2.9	2.9	2.9
40°	2.4	2.4	1.8	1.8	1.2	1.2	1.2	1.8	1.8	1.8	1.8
42.5°	1.8	1.8	1.2	1.2	0.6	0.6	0.6	1.2	1.2	1.2	1.2
45°	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
47.5°	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6
50°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
52.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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	0.6	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
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

(END OF REPORT)