

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: P1326266

Luminaire Tested: LDSQA3D09R25W2N902765DE010 3LSQPHRLD1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326266  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R25W2N902765DE010 3LSQPHRLD1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,  
3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

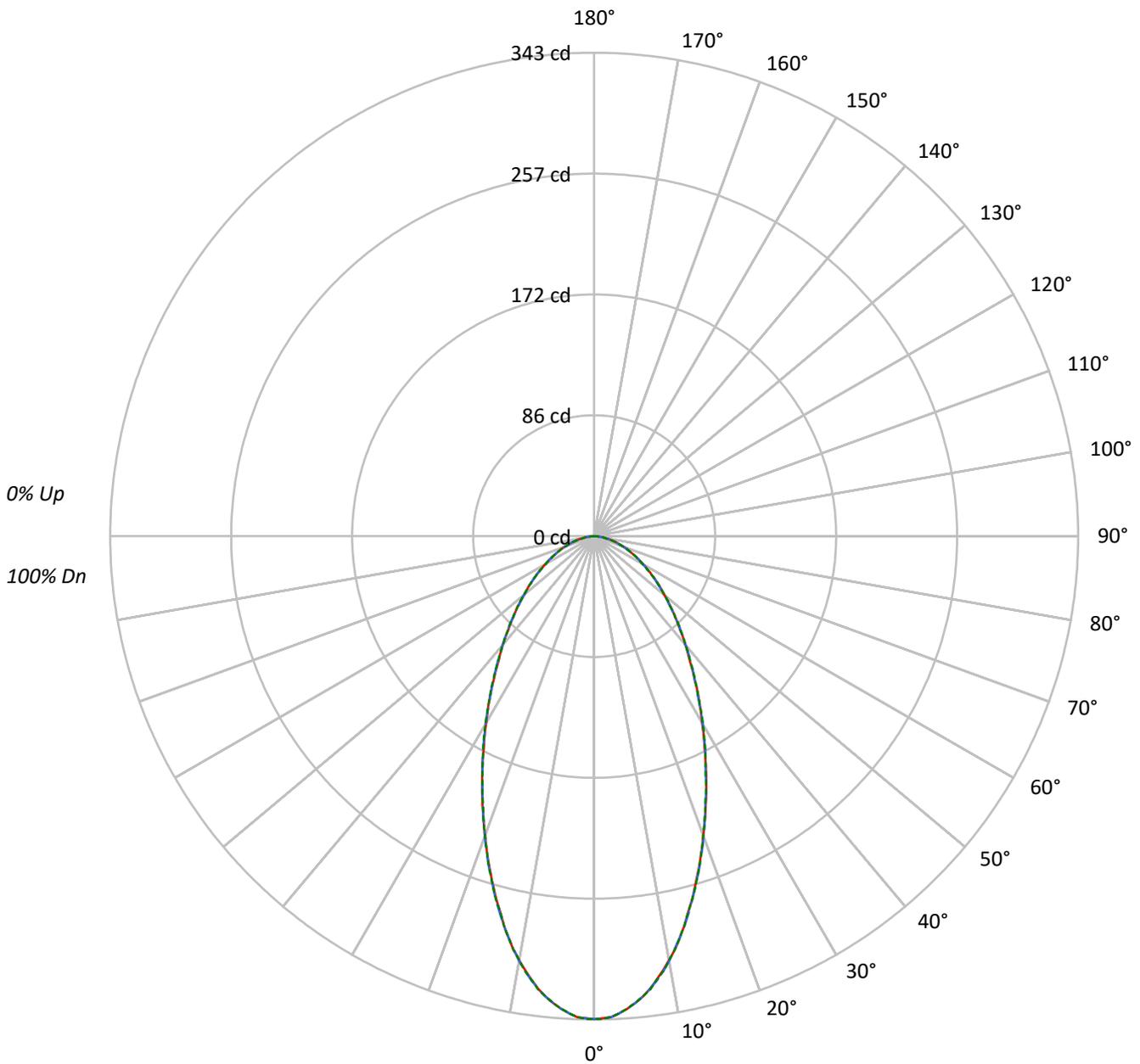
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 429.0 lumens  
Efficiency: N/A  
Efficacy: 47.7 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89  
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°-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	100	
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	77	
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	68	
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	61	
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	55	
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	49	
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	41	
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	38	
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	35	

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

	0°	45°	90°
0°	59021	59021	59021
5°	57500	57500	57500
10°	53443	53548	53443
15°	47659	47766	47766
20°	41439	41549	41439
25°	35687	35573	35573
30°	30446	30566	30685
35°	26112	26112	26239
40°	22639	22639	22639
45°	19777	19777	19777
50°	17362	17362	17523
55°	15554	15554	15554
60°	13778	13778	13778
65°	12470	12470	12470
70°	11279	10977	11279
75°	10181	9782	9782
80°	8133	8133	8133
85°	5730	5730	5730

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19777 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.9	7.2
10°-20°	74.6	17.4
20°-30°	86.2	20.1
30°-40°	78.1	18.2
40°-50°	63.0	14.7
50°-60°	46.4	10.8
60°-70°	30.5	7.1
70°-80°	15.8	3.7
80°-90°	3.5	0.8
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°	191.7	44.7
0°-40°	269.8	62.9
0°-60°	379.2	88.4
0°-90°	429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	429.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	343	343	343	343	343	
5°	333	334	333	333	333	31
15°	267	268	268	267	268	74
25°	188	187	187	188	187	86
35°	124	124	124	124	125	78
45°	81	81	81	81	81	63
55°	52	52	52	51	52	47
65°	31	31	31	31	31	31
75°	15	15	15	15	15	16
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	342.7	342.7	342.7	342.7	342.7
1°	342.1	343.2	342.1	342.1	342.7
2°	341.5	342.1	341.5	341.5	341.5
3°	339.1	340.3	339.1	339.1	339.1
4°	336.2	337.4	336.2	336.2	336.2
5°	332.6	333.8	332.6	332.6	332.6
6°	328.5	329.1	328.5	328.5	328.5
7°	323.8	324.4	323.8	323.8	324.4
8°	317.9	318.5	318.5	317.9	317.9
9°	312.0	312.6	312.6	312.0	312.6
10°	305.6	306.2	306.2	305.6	305.6
11°	299.1	299.7	298.5	298.5	299.1
12°	291.4	292.0	291.4	291.4	291.4
13°	283.8	283.8	283.8	283.8	283.8
14°	275.0	276.1	276.1	275.5	275.0
15°	267.3	267.9	267.9	267.3	267.9
17.5°	246.7	247.9	247.3	247.3	247.3
20°	226.1	226.7	226.7	226.1	226.1
22.5°	206.7	206.1	206.1	206.1	206.1
25°	187.8	187.2	187.2	187.8	187.2
27.5°	169.6	170.2	170.2	169.6	170.2
30°	153.1	153.1	153.7	153.1	154.3
32.5°	138.4	138.4	137.8	138.4	138.4
35°	124.2	124.2	124.2	124.2	124.8
37.5°	111.3	111.9	112.5	112.5	111.9
40°	100.7	100.7	100.7	100.7	100.7
42.5°	90.1	90.1	90.7	90.7	90.7
45°	81.2	81.2	81.2	81.2	81.2
47.5°	73.0	73.0	72.4	72.4	73.0
50°	64.8	65.4	64.8	64.8	65.4
52.5°	58.3	57.7	57.7	58.3	58.3
55°	51.8	51.8	51.8	51.2	51.8
57.5°	45.9	45.9	45.3	45.3	45.3
60°	40.0	40.0	40.0	40.0	40.0
62.5°	35.3	35.3	35.3	35.3	35.3
65°	30.6	30.6	30.6	30.6	30.6
67.5°	26.5	26.5	26.5	26.5	25.9
70°	22.4	22.4	21.8	21.8	22.4
72.5°	18.3	18.3	18.3	18.3	18.3
75°	15.3	14.7	14.7	14.7	14.7
77.5°	11.8	11.8	11.2	11.8	11.2
80°	8.2	8.2	8.2	8.2	8.2
82.5°	5.9	5.3	5.3	5.3	5.3
85°	2.9	2.9	2.9	2.9	2.9
87.5°	0.6	0.6	0.6	0.6	1.2



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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)