

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: P1313499

Luminaire Tested: LDSQA3D09R259727DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313499  
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: LDSQA3D09R259727DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

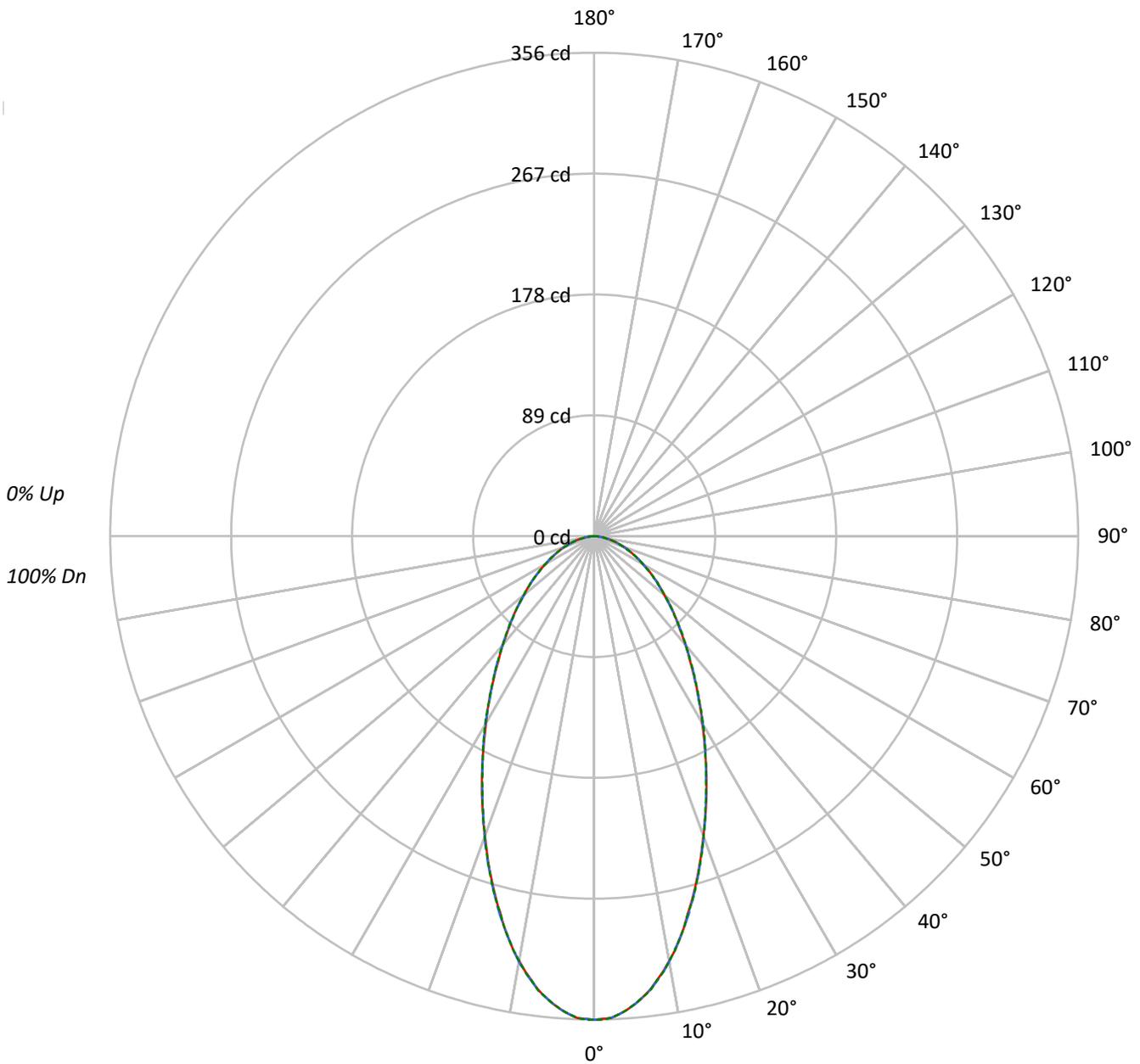
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 446.0 lumens  
Efficiency: N/A  
Efficacy: 40.2 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): 11.1  
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	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	56	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	51	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	61346	61346	61346
5°	59782	59782	59782
10°	55559	55664	55559
15°	49549	49656	49656
20°	43070	43198	43070
25°	37112	36979	36979
30°	31640	31779	31898
35°	27164	27164	27290
40°	23539	23539	23539
45°	20581	20581	20581
50°	18032	18032	18193
55°	16184	16184	16184
60°	14329	14329	14329
65°	12959	12959	12959
70°	11733	11380	11733
75°	10580	10181	10181
80°	8529	8529	8529
85°	6126	6126	6126

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20581 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.1	7.2
10°-20°	77.5	17.4
20°-30°	89.6	20.1
30°-40°	81.2	18.2
40°-50°	65.5	14.7
50°-60°	48.2	10.8
60°-70°	31.7	7.1
70°-80°	16.4	3.7
80°-90°	3.7	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°	199.3	44.7
0°-40°	280.5	62.9
0°-60°	394.2	88.4
0°-90°	446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	446.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	356	356	356	356	356	
5°	346	347	346	346	346	32
15°	278	278	278	278	278	77
25°	195	195	195	195	195	90
35°	129	129	129	129	130	81
45°	84	84	84	84	84	65
55°	54	54	54	53	54	48
65°	32	32	32	32	32	32
75°	16	15	15	15	15	17
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°	356.2	356.2	356.2	356.2	356.2
1°	355.6	356.8	355.6	355.6	356.2
2°	355.0	355.6	355.0	355.0	355.0
3°	352.6	353.8	352.6	352.6	352.6
4°	349.5	350.7	349.5	349.5	349.5
5°	345.8	347.1	345.8	345.8	345.8
6°	341.5	342.2	341.5	341.5	341.5
7°	336.7	337.3	336.7	336.7	337.3
8°	330.5	331.1	331.1	330.5	330.5
9°	324.4	325.0	325.0	324.4	325.0
10°	317.7	318.3	318.3	317.7	317.7
11°	310.9	311.6	310.3	310.3	310.9
12°	303.0	303.6	303.0	303.0	303.0
13°	295.0	295.0	295.0	295.0	295.0
14°	285.8	287.1	287.1	286.5	285.8
15°	277.9	278.5	278.5	277.9	278.5
17.5°	256.5	257.7	257.1	257.1	257.1
20°	235.0	235.7	235.7	235.0	235.0
22.5°	214.8	214.2	214.2	214.2	214.2
25°	195.3	194.6	194.6	195.3	194.6
27.5°	176.3	176.9	176.9	176.3	176.9
30°	159.1	159.1	159.8	159.1	160.4
32.5°	143.8	143.8	143.2	143.8	143.8
35°	129.2	129.2	129.2	129.2	129.8
37.5°	115.7	116.3	116.9	116.9	116.3
40°	104.7	104.7	104.7	104.7	104.7
42.5°	93.6	93.6	94.3	94.3	94.3
45°	84.5	84.5	84.5	84.5	84.5
47.5°	75.9	75.9	75.3	75.3	75.9
50°	67.3	67.9	67.3	67.3	67.9
52.5°	60.6	60.0	60.0	60.6	60.6
55°	53.9	53.9	53.9	53.3	53.9
57.5°	47.7	47.7	47.1	47.1	47.1
60°	41.6	41.6	41.6	41.6	41.6
62.5°	36.7	36.7	36.7	36.7	36.7
65°	31.8	31.8	31.8	31.8	31.8
67.5°	27.5	27.5	27.5	27.5	26.9
70°	23.3	23.3	22.6	22.6	23.3
72.5°	19.0	19.0	19.0	19.0	19.0
75°	15.9	15.3	15.3	15.3	15.3
77.5°	12.2	12.2	11.6	12.2	11.6
80°	8.6	8.6	8.6	8.6	8.6
82.5°	6.1	5.5	5.5	5.5	5.5
85°	3.1	3.1	3.1	3.1	3.1
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)