

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: P1317032

Luminaire Tested: LDSQA3D02R259827DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317032  
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: LDSQA3D02R259827DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

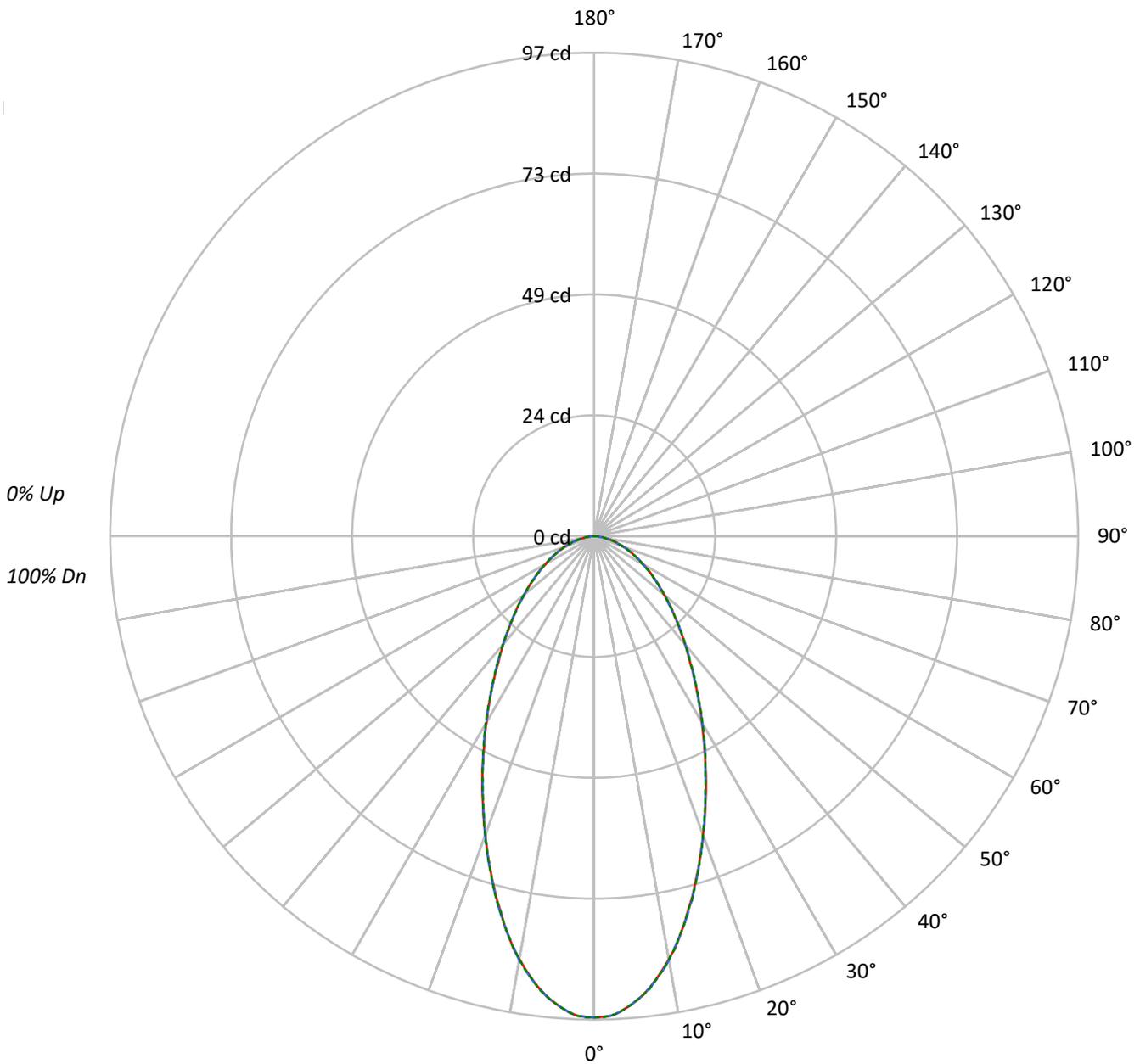
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 121.0 lumens  
Efficiency: N/A  
Efficacy: 33.6 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): 3.6  
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°	16637	16637	16637
5°	16216	16216	16216
10°	15075	15110	15075
15°	13444	13479	13479
20°	11693	11711	11693
25°	10071	10033	10033
30°	8591	8611	8651
35°	7359	7359	7401
40°	6385	6385	6385
45°	5578	5578	5578
50°	4903	4903	4930
55°	4384	4384	4384
60°	3892	3892	3892
65°	3505	3505	3505
70°	3172	3072	3172
75°	2861	2795	2795
80°	2281	2281	2281
85°	1581	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5578 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.7	7.2
10°-20°	21.0	17.4
20°-30°	24.3	20.1
30°-40°	22.0	18.2
40°-50°	17.8	14.7
50°-60°	13.1	10.8
60°-70°	8.6	7.1
70°-80°	4.4	3.7
80°-90°	1.0	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°	54.1	44.7
0°-40°	76.1	62.9
0°-60°	106.9	88.4
0°-90°	121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	121.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	97	97	97	97	97	
5°	94	94	94	94	94	9
15°	75	76	76	75	76	21
25°	53	53	53	53	53	24
35°	35	35	35	35	35	22
45°	23	23	23	23	23	18
55°	15	15	15	14	15	13
65°	9	9	9	9	9	9
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	96.6	96.6	96.6	96.6	96.6
1°	96.5	96.8	96.5	96.5	96.6
2°	96.3	96.5	96.3	96.3	96.3
3°	95.7	96.0	95.7	95.7	95.7
4°	94.8	95.2	94.8	94.8	94.8
5°	93.8	94.2	93.8	93.8	93.8
6°	92.7	92.8	92.7	92.7	92.7
7°	91.3	91.5	91.3	91.3	91.5
8°	89.7	89.8	89.8	89.7	89.7
9°	88.0	88.2	88.2	88.0	88.2
10°	86.2	86.4	86.4	86.2	86.2
11°	84.4	84.5	84.2	84.2	84.4
12°	82.2	82.4	82.2	82.2	82.2
13°	80.0	80.0	80.0	80.0	80.0
14°	77.6	77.9	77.9	77.7	77.6
15°	75.4	75.6	75.6	75.4	75.6
17.5°	69.6	69.9	69.7	69.7	69.7
20°	63.8	63.9	63.9	63.8	63.8
22.5°	58.3	58.1	58.1	58.1	58.1
25°	53.0	52.8	52.8	53.0	52.8
27.5°	47.8	48.0	48.0	47.8	48.0
30°	43.2	43.2	43.3	43.2	43.5
32.5°	39.0	39.0	38.9	39.0	39.0
35°	35.0	35.0	35.0	35.0	35.2
37.5°	31.4	31.6	31.7	31.7	31.6
40°	28.4	28.4	28.4	28.4	28.4
42.5°	25.4	25.4	25.6	25.6	25.6
45°	22.9	22.9	22.9	22.9	22.9
47.5°	20.6	20.6	20.4	20.4	20.6
50°	18.3	18.4	18.3	18.3	18.4
52.5°	16.4	16.3	16.3	16.4	16.4
55°	14.6	14.6	14.6	14.4	14.6
57.5°	13.0	13.0	12.8	12.8	12.8
60°	11.3	11.3	11.3	11.3	11.3
62.5°	10.0	10.0	10.0	10.0	10.0
65°	8.6	8.6	8.6	8.6	8.6
67.5°	7.5	7.5	7.5	7.5	7.3
70°	6.3	6.3	6.1	6.1	6.3
72.5°	5.1	5.1	5.1	5.1	5.1
75°	4.3	4.2	4.2	4.2	4.2
77.5°	3.3	3.3	3.2	3.3	3.2
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.7	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.2	0.2	0.2	0.2	0.3



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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)