

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: P1319222

Luminaire Tested: LDSQA3D13R259835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319222  
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: LDSQA3D13R259835DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

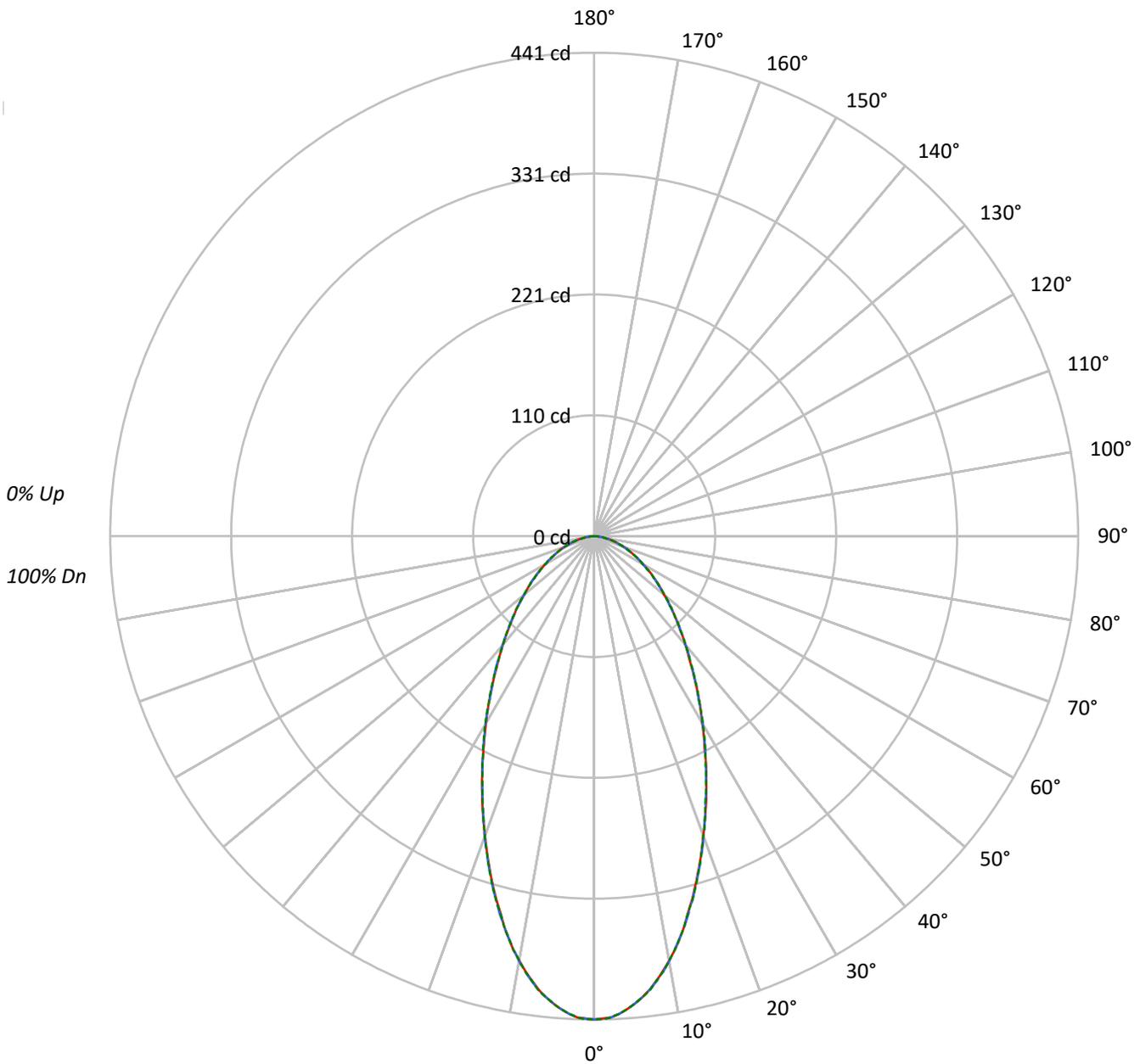
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 552.0 lumens  
Efficiency: N/A  
Efficacy: 38.1 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): 14.5  
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	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°	75933	75933	75933
5°	73993	73993	73993
10°	68763	68885	68763
15°	61317	61459	61459
20°	53315	53461	53315
25°	45929	45777	45777
30°	39177	39316	39475
35°	33597	33597	33765
40°	29114	29114	29114
45°	25452	25452	25452
50°	22319	22319	22533
55°	20027	20027	20027
60°	17739	17739	17739
65°	16056	16056	16056
70°	14502	14099	14502
75°	13109	12576	12576
80°	10513	10513	10513
85°	7509	7509	7509

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25452 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.8	7.2
10°-20°	96.0	17.4
20°-30°	110.9	20.1
30°-40°	100.5	18.2
40°-50°	81.0	14.7
50°-60°	59.7	10.8
60°-70°	39.3	7.1
70°-80°	20.3	3.7
80°-90°	4.6	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°	246.6	44.7
0°-40°	347.2	62.9
0°-60°	487.9	88.4
0°-90°	552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	552.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	441	441	441	441	441	
5°	428	430	428	428	428	40
15°	344	345	345	344	345	96
25°	242	241	241	242	241	111
35°	160	160	160	160	161	100
45°	104	104	104	104	104	81
55°	67	67	67	66	67	60
65°	39	39	39	39	39	39
75°	20	19	19	19	19	21
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	440.9	440.9	440.9	440.9	440.9
1°	440.1	441.7	440.1	440.1	440.9
2°	439.4	440.1	439.4	439.4	439.4
3°	436.4	437.9	436.4	436.4	436.4
4°	432.6	434.1	432.6	432.6	432.6
5°	428.0	429.5	428.0	428.0	428.0
6°	422.7	423.5	422.7	422.7	422.7
7°	416.7	417.4	416.7	416.7	417.4
8°	409.1	409.8	409.8	409.1	409.1
9°	401.5	402.3	402.3	401.5	402.3
10°	393.2	393.9	393.9	393.2	393.2
11°	384.8	385.6	384.1	384.1	384.8
12°	375.0	375.8	375.0	375.0	375.0
13°	365.1	365.1	365.1	365.1	365.1
14°	353.8	355.3	355.3	354.5	353.8
15°	343.9	344.7	344.7	343.9	344.7
17.5°	317.4	318.9	318.2	318.2	318.2
20°	290.9	291.7	291.7	290.9	290.9
22.5°	265.9	265.1	265.1	265.1	265.1
25°	241.7	240.9	240.9	241.7	240.9
27.5°	218.2	218.9	218.9	218.2	218.9
30°	197.0	197.0	197.7	197.0	198.5
32.5°	178.0	178.0	177.3	178.0	178.0
35°	159.8	159.8	159.8	159.8	160.6
37.5°	143.2	143.9	144.7	144.7	143.9
40°	129.5	129.5	129.5	129.5	129.5
42.5°	115.9	115.9	116.7	116.7	116.7
45°	104.5	104.5	104.5	104.5	104.5
47.5°	93.9	93.9	93.2	93.2	93.9
50°	83.3	84.1	83.3	83.3	84.1
52.5°	75.0	74.2	74.2	75.0	75.0
55°	66.7	66.7	66.7	65.9	66.7
57.5°	59.1	59.1	58.3	58.3	58.3
60°	51.5	51.5	51.5	51.5	51.5
62.5°	45.5	45.5	45.5	45.5	45.5
65°	39.4	39.4	39.4	39.4	39.4
67.5°	34.1	34.1	34.1	34.1	33.3
70°	28.8	28.8	28.0	28.0	28.8
72.5°	23.5	23.5	23.5	23.5	23.5
75°	19.7	18.9	18.9	18.9	18.9
77.5°	15.2	15.2	14.4	15.2	14.4
80°	10.6	10.6	10.6	10.6	10.6
82.5°	7.6	6.8	6.8	6.8	6.8
85°	3.8	3.8	3.8	3.8	3.8
87.5°	0.8	0.8	0.8	0.8	1.5



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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)