

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: P1315477

Luminaire Tested: LDSQA3D09R359735DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315477  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359735DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

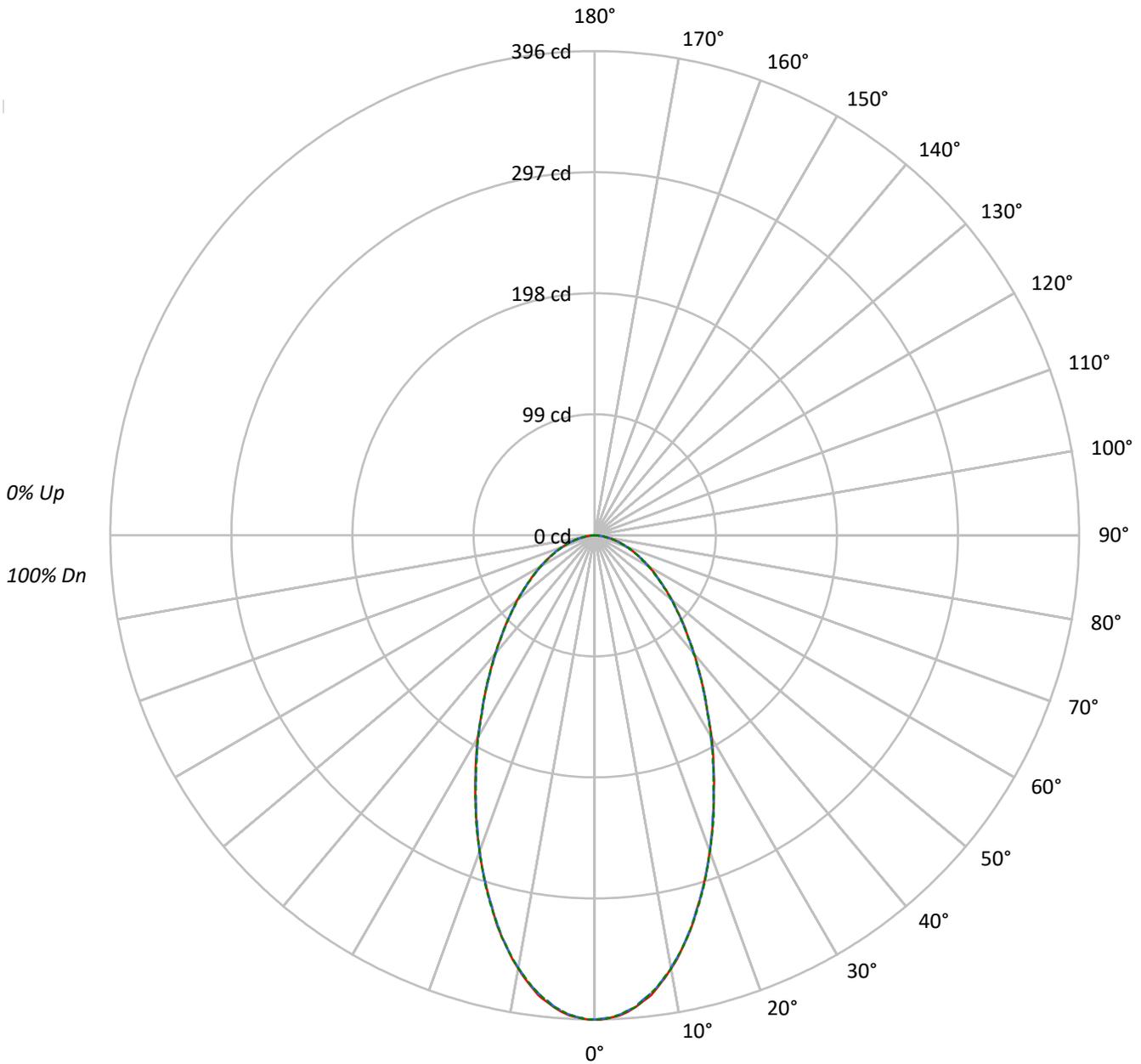
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 529.0 lumens  
Efficiency: N/A  
Efficacy: 47.7 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
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				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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

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

	0°	45°	90°
0°	68200	68200	68200
5°	66922	66801	66922
10°	62922	62799	62922
15°	56966	56966	57091
20°	50419	50419	50419
25°	43858	43725	43725
30°	38023	37745	37884
35°	32735	32588	32735
40°	28395	28237	28395
45°	24941	24770	24770
50°	22131	21944	21944
55°	19487	19487	19487
60°	17636	17394	17636
65°	15852	15852	15852
70°	14099	14099	14099
75°	12709	12244	12709
80°	10811	10811	10811
85°	6719	6719	6719

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24941 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.0	6.8
10°-20°	89.1	16.8
20°-30°	105.9	20.0
30°-40°	97.3	18.4
40°-50°	79.0	14.9
50°-60°	58.5	11.1
60°-70°	38.6	7.3
70°-80°	20.0	3.8
80°-90°	4.5	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°	231.1	43.7
0°-40°	328.4	62.1
0°-60°	465.9	88.1
0°-90°	529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	529.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	396	396	396	396	396	
5°	387	386	386	386	387	36
15°	320	320	320	320	320	89
25°	231	230	230	231	230	106
35°	156	155	155	156	156	98
45°	102	102	102	102	102	79
55°	65	65	65	65	65	59
65°	39	39	39	39	39	39
75°	19	19	18	19	19	20
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°	396.0	396.0	396.0	396.0	396.0
1°	396.0	395.3	395.3	395.3	396.0
2°	394.6	394.6	394.6	394.6	394.6
3°	393.2	392.6	392.6	392.6	392.6
4°	390.5	389.8	389.8	389.8	389.8
5°	387.1	386.4	386.4	386.4	387.1
6°	383.0	382.3	381.6	381.6	382.3
7°	378.9	377.5	377.5	377.5	377.5
8°	372.8	372.1	372.1	372.1	372.1
9°	366.6	365.3	365.9	365.9	365.9
10°	359.8	359.1	359.1	359.1	359.8
11°	353.0	352.3	352.3	351.6	352.3
12°	344.8	344.8	344.8	344.8	344.8
13°	337.3	336.6	336.6	336.6	337.3
14°	329.1	328.4	328.4	328.4	328.4
15°	319.5	319.5	319.5	319.5	320.2
17.5°	297.7	297.0	297.7	297.7	298.3
20°	275.1	274.5	275.1	275.1	275.1
22.5°	252.6	252.6	251.9	252.6	253.3
25°	230.8	230.1	230.1	230.8	230.1
27.5°	210.3	209.6	209.6	209.6	209.6
30°	191.2	189.8	189.8	190.5	190.5
32.5°	171.4	171.4	172.0	171.4	171.4
35°	155.7	155.0	155.0	155.7	155.7
37.5°	140.0	139.3	139.3	140.0	140.0
40°	126.3	126.3	125.6	126.3	126.3
42.5°	113.3	113.3	113.3	113.3	113.3
45°	102.4	101.7	101.7	101.7	101.7
47.5°	91.5	91.5	91.5	90.8	91.5
50°	82.6	81.9	81.9	81.9	81.9
52.5°	73.1	73.1	73.1	73.1	73.1
55°	64.9	64.9	64.9	64.9	64.9
57.5°	58.0	57.3	57.3	57.3	57.3
60°	51.2	51.2	50.5	51.2	51.2
62.5°	44.4	44.4	44.4	44.4	44.4
65°	38.9	38.9	38.9	38.9	38.9
67.5°	33.5	33.5	33.5	33.5	33.5
70°	28.0	28.0	28.0	28.0	28.0
72.5°	23.9	23.2	23.2	23.2	23.2
75°	19.1	19.1	18.4	19.1	19.1
77.5°	14.3	14.3	14.3	14.3	14.3
80°	10.9	10.9	10.9	10.2	10.9
82.5°	6.8	6.8	6.8	6.8	6.8
85°	3.4	3.4	3.4	3.4	3.4
87.5°	0.7	0.7	0.7	1.4	1.4



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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)