

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: P1309068

Luminaire Tested: LDSQA3D09R259030DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309068  
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: LDSQA3D09R259030DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

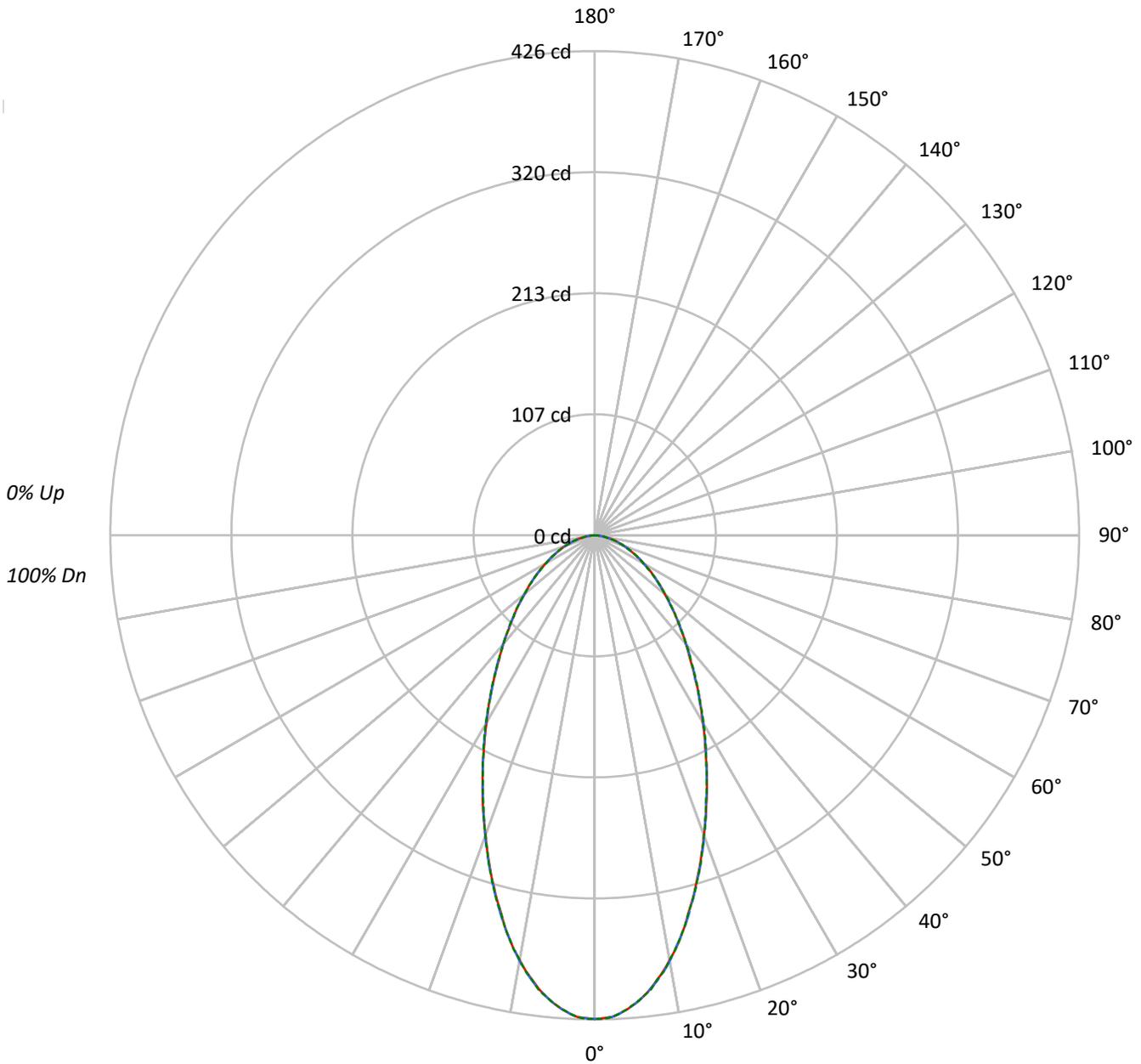
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 533.0 lumens  
Efficiency: N/A  
Efficacy: 48.0 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				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°	73315	73315	73315
5°	71452	71452	71452
10°	66384	66524	66384
15°	59213	59338	59338
20°	51482	51610	51482
25°	44333	44200	44200
30°	37824	37963	38123
35°	32441	32441	32609
40°	28125	28125	28125
45°	24575	24575	24575
50°	21568	21568	21756
55°	19337	19337	19337
60°	17119	17119	17119
65°	15486	15486	15486
70°	13999	13646	13999
75°	12643	12177	12177
80°	10116	10116	10116
85°	7311	7311	7311

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24575 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.4	7.2
10°-20°	92.7	17.4
20°-30°	107.1	20.1
30°-40°	97.1	18.2
40°-50°	78.2	14.7
50°-60°	57.6	10.8
60°-70°	37.9	7.1
70°-80°	19.6	3.7
80°-90°	4.4	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°	238.1	44.7
0°-40°	335.2	62.9
0°-60°	471.1	88.4
0°-90°	533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	533.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	426	426	426	426	426	
5°	413	415	413	413	413	38
15°	332	333	333	332	333	93
25°	233	233	233	233	233	107
35°	154	154	154	154	155	97
45°	101	101	101	101	101	78
55°	64	64	64	64	64	58
65°	38	38	38	38	38	38
75°	19	18	18	18	18	20
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°	425.7	425.7	425.7	425.7	425.7
1°	425.0	426.5	425.0	425.0	425.7
2°	424.3	425.0	424.3	424.3	424.3
3°	421.3	422.8	421.3	421.3	421.3
4°	417.7	419.1	417.7	417.7	417.7
5°	413.3	414.8	413.3	413.3	413.3
6°	408.2	408.9	408.2	408.2	408.2
7°	402.3	403.1	402.3	402.3	403.1
8°	395.0	395.7	395.7	395.0	395.0
9°	387.7	388.4	388.4	387.7	388.4
10°	379.6	380.4	380.4	379.6	379.6
11°	371.6	372.3	370.9	370.9	371.6
12°	362.1	362.8	362.1	362.1	362.1
13°	352.6	352.6	352.6	352.6	352.6
14°	341.6	343.1	343.1	342.3	341.6
15°	332.1	332.8	332.8	332.1	332.8
17.5°	306.5	308.0	307.2	307.2	307.2
20°	280.9	281.6	281.6	280.9	280.9
22.5°	256.8	256.0	256.0	256.0	256.0
25°	233.3	232.6	232.6	233.3	232.6
27.5°	210.7	211.4	211.4	210.7	211.4
30°	190.2	190.2	190.9	190.2	191.7
32.5°	171.9	171.9	171.2	171.9	171.9
35°	154.3	154.3	154.3	154.3	155.1
37.5°	138.3	139.0	139.7	139.7	139.0
40°	125.1	125.1	125.1	125.1	125.1
42.5°	111.9	111.9	112.6	112.6	112.6
45°	100.9	100.9	100.9	100.9	100.9
47.5°	90.7	90.7	90.0	90.0	90.7
50°	80.5	81.2	80.5	80.5	81.2
52.5°	72.4	71.7	71.7	72.4	72.4
55°	64.4	64.4	64.4	63.6	64.4
57.5°	57.1	57.1	56.3	56.3	56.3
60°	49.7	49.7	49.7	49.7	49.7
62.5°	43.9	43.9	43.9	43.9	43.9
65°	38.0	38.0	38.0	38.0	38.0
67.5°	32.9	32.9	32.9	32.9	32.2
70°	27.8	27.8	27.1	27.1	27.8
72.5°	22.7	22.7	22.7	22.7	22.7
75°	19.0	18.3	18.3	18.3	18.3
77.5°	14.6	14.6	13.9	14.6	13.9
80°	10.2	10.2	10.2	10.2	10.2
82.5°	7.3	6.6	6.6	6.6	6.6
85°	3.7	3.7	3.7	3.7	3.7
87.5°	0.7	0.7	0.7	0.7	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)