

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: P1309861

Luminaire Tested: LDSQA3D02R259035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309861  
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: LDSQA3D02R259035DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

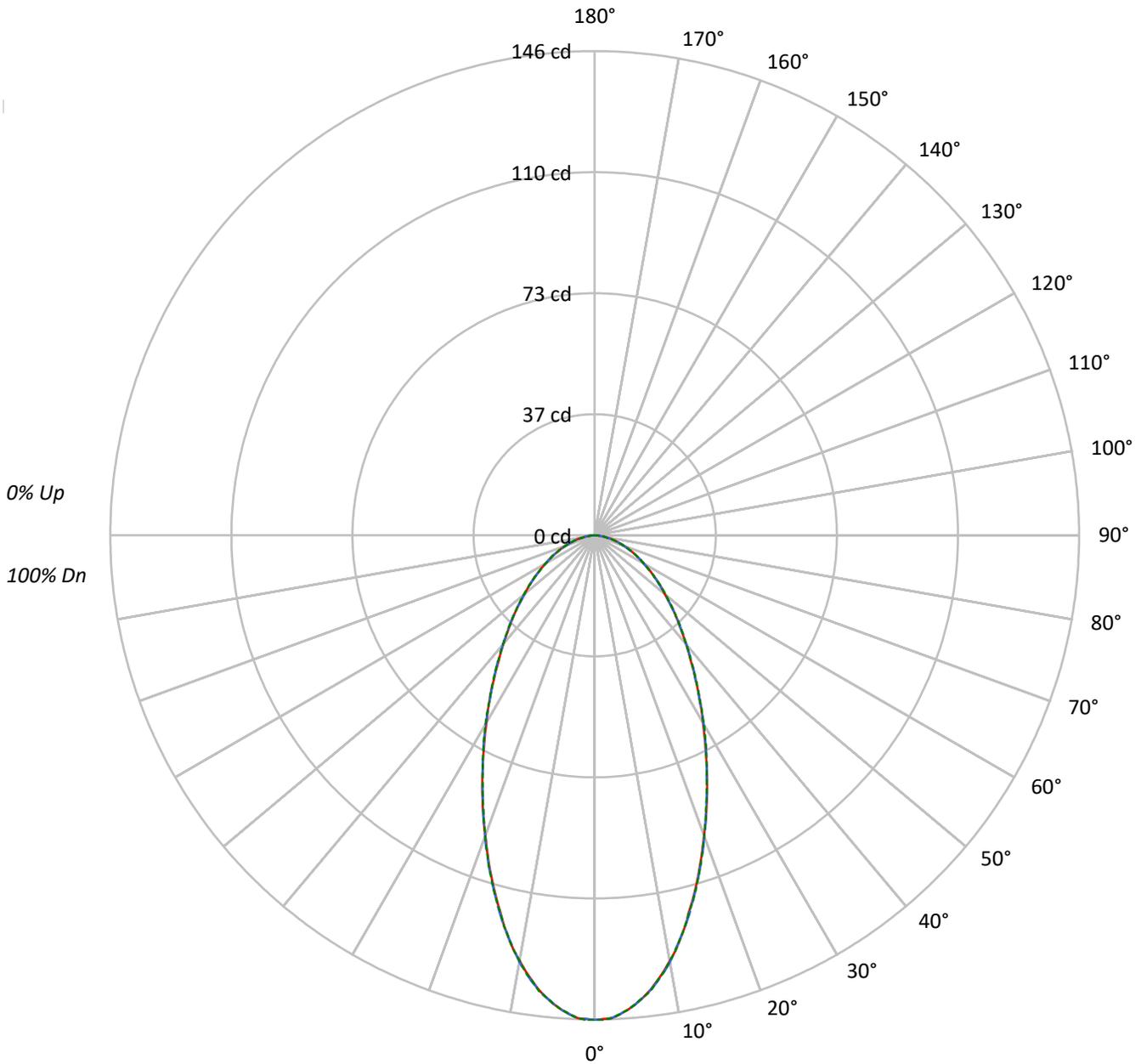
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 183.1 lumens  
Efficiency: N/A  
Efficacy: 50.8 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				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	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	63	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	43	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°	25179	25179	25179
5°	24532	24532	24532
10°	22787	22839	22787
15°	20326	20379	20379
20°	17668	17723	17668
25°	15221	15183	15183
30°	12986	13046	13085
35°	11143	11143	11185
40°	9645	9645	9645
45°	8452	8452	8452
50°	7395	7395	7475
55°	6636	6636	6636
60°	5890	5890	5890
65°	5338	5338	5338
70°	4784	4683	4784
75°	4325	4192	4192
80°	3471	3471	3471
85°	2569	2569	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8452 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.2	7.2
10°-20°	31.8	17.4
20°-30°	36.8	20.1
30°-40°	33.3	18.2
40°-50°	26.9	14.7
50°-60°	19.8	10.8
60°-70°	13.0	7.1
70°-80°	6.7	3.7
80°-90°	1.5	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
<b>0°-30°</b>	<b>81.8</b>	<b>44.7</b>
<b>0°-40°</b>	<b>115.1</b>	<b>62.9</b>
<b>0°-60°</b>	<b>161.7</b>	<b>88.4</b>
<b>0°-90°</b>	<b>183.1</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>183.1</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	146	146	146	146	146	
5°	142	142	142	142	142	13
15°	114	114	114	114	114	32
25°	80	80	80	80	80	37
35°	53	53	53	53	53	33
45°	35	35	35	35	35	27
55°	22	22	22	22	22	20
65°	13	13	13	13	13	13
75°	6	6	6	6	6	7
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	146.2	146.2	146.2	146.2	146.2
1°	145.9	146.4	145.9	145.9	146.2
2°	145.7	145.9	145.7	145.7	145.7
3°	144.7	145.2	144.7	144.7	144.7
4°	143.4	143.9	143.4	143.4	143.4
5°	141.9	142.4	141.9	141.9	141.9
6°	140.1	140.4	140.1	140.1	140.1
7°	138.1	138.4	138.1	138.1	138.4
8°	135.6	135.9	135.9	135.6	135.6
9°	133.1	133.4	133.4	133.1	133.4
10°	130.3	130.6	130.6	130.3	130.3
11°	127.6	127.8	127.3	127.3	127.6
12°	124.3	124.6	124.3	124.3	124.3
13°	121.1	121.1	121.1	121.1	121.1
14°	117.3	117.8	117.8	117.5	117.3
15°	114.0	114.3	114.3	114.0	114.3
17.5°	105.2	105.7	105.5	105.5	105.5
20°	96.4	96.7	96.7	96.4	96.4
22.5°	88.2	87.9	87.9	87.9	87.9
25°	80.1	79.9	79.9	80.1	79.9
27.5°	72.3	72.6	72.6	72.3	72.6
30°	65.3	65.3	65.6	65.3	65.8
32.5°	59.0	59.0	58.8	59.0	59.0
35°	53.0	53.0	53.0	53.0	53.2
37.5°	47.5	47.7	48.0	48.0	47.7
40°	42.9	42.9	42.9	42.9	42.9
42.5°	38.4	38.4	38.7	38.7	38.7
45°	34.7	34.7	34.7	34.7	34.7
47.5°	31.1	31.1	30.9	30.9	31.1
50°	27.6	27.9	27.6	27.6	27.9
52.5°	24.9	24.6	24.6	24.9	24.9
55°	22.1	22.1	22.1	21.9	22.1
57.5°	19.6	19.6	19.3	19.3	19.3
60°	17.1	17.1	17.1	17.1	17.1
62.5°	15.1	15.1	15.1	15.1	15.1
65°	13.1	13.1	13.1	13.1	13.1
67.5°	11.3	11.3	11.3	11.3	11.1
70°	9.5	9.5	9.3	9.3	9.5
72.5°	7.8	7.8	7.8	7.8	7.8
75°	6.5	6.3	6.3	6.3	6.3
77.5°	5.0	5.0	4.8	5.0	4.8
80°	3.5	3.5	3.5	3.5	3.5
82.5°	2.5	2.3	2.3	2.3	2.3
85°	1.3	1.3	1.3	1.3	1.3
87.5°	0.3	0.3	0.3	0.3	0.5



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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)