

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: P1319660

Luminaire Tested: LDSQA3D02R259840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319660  
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: LDSQA3D02R259840DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

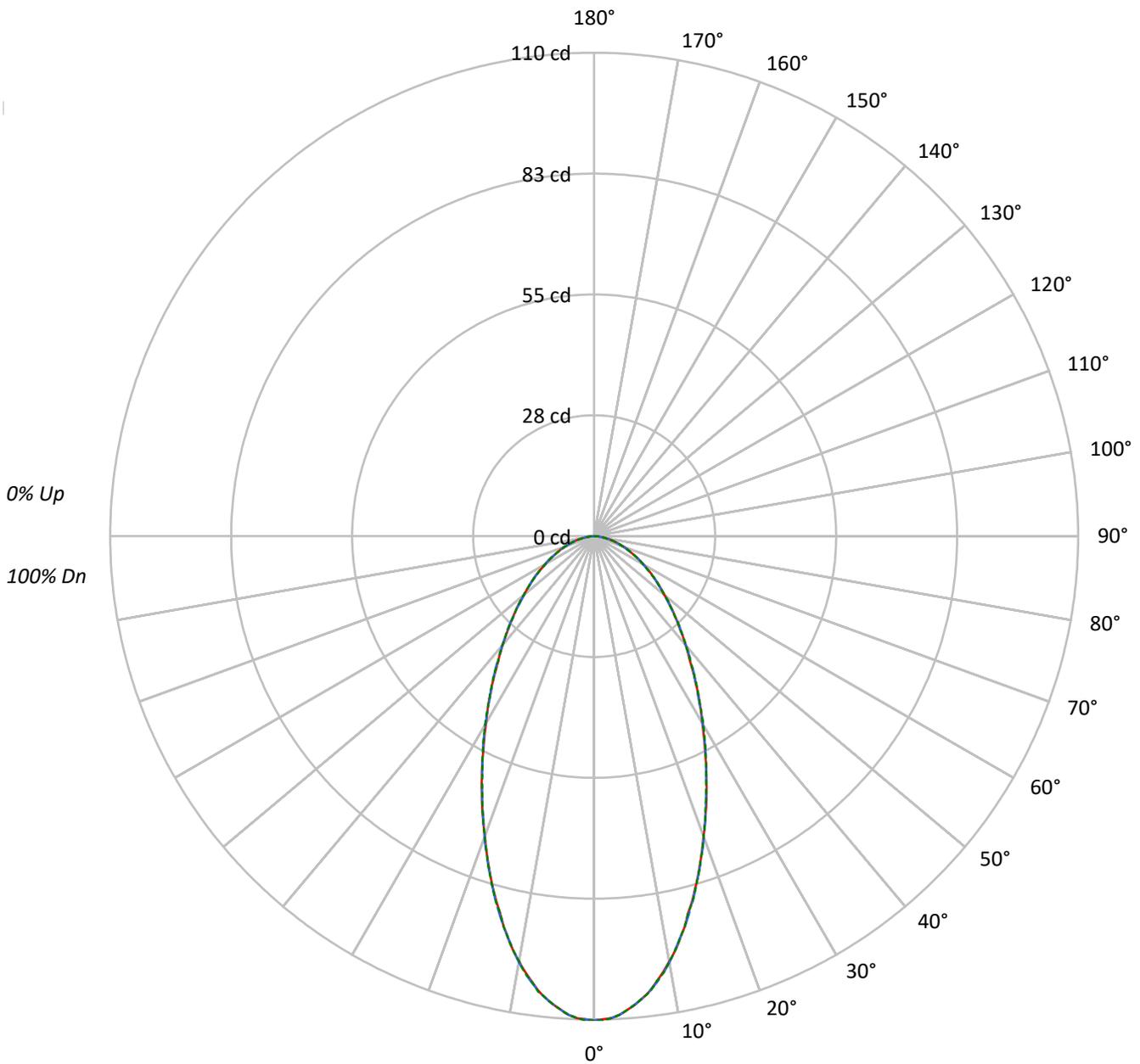
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 138.0 lumens  
Efficiency: N/A  
Efficacy: 38.3 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 (A<sub>in</sub>): 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	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	37	35

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

	0°	45°	90°
0°	18979	18979	18979
5°	18498	18498	18498
10°	17191	17226	17191
15°	15334	15369	15369
20°	13324	13361	13324
25°	11478	11440	11440
30°	9784	9824	9864
35°	8410	8410	8452
40°	7284	7284	7284
45°	6357	6357	6357
50°	5573	5573	5627
55°	5014	5014	5014
60°	4443	4443	4443
65°	3994	3994	3994
70°	3626	3525	3626
75°	3261	3127	3127
80°	2678	2678	2678
85°	1778	1778	1778

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6357 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.9	7.2
10°-20°	24.0	17.4
20°-30°	27.7	20.1
30°-40°	25.1	18.2
40°-50°	20.3	14.7
50°-60°	14.9	10.8
60°-70°	9.8	7.1
70°-80°	5.1	3.7
80°-90°	1.1	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>61.6</b>	<b>44.7</b>
<b>0°-40°</b>	<b>86.8</b>	<b>62.9</b>
<b>0°-60°</b>	<b>122.0</b>	<b>88.4</b>
<b>0°-90°</b>	<b>138.0</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>138.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	110	110	110	110	110	
5°	107	107	107	107	107	10
15°	86	86	86	86	86	24
25°	60	60	60	60	60	28
35°	40	40	40	40	40	25
45°	26	26	26	26	26	20
55°	17	17	17	16	17	15
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
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°	110.2	110.2	110.2	110.2	110.2
1°	110.0	110.4	110.0	110.0	110.2
2°	109.8	110.0	109.8	109.8	109.8
3°	109.1	109.5	109.1	109.1	109.1
4°	108.1	108.5	108.1	108.1	108.1
5°	107.0	107.4	107.0	107.0	107.0
6°	105.7	105.9	105.7	105.7	105.7
7°	104.2	104.4	104.2	104.2	104.4
8°	102.3	102.5	102.5	102.3	102.3
9°	100.4	100.6	100.6	100.4	100.6
10°	98.3	98.5	98.5	98.3	98.3
11°	96.2	96.4	96.0	96.0	96.2
12°	93.7	93.9	93.7	93.7	93.7
13°	91.3	91.3	91.3	91.3	91.3
14°	88.4	88.8	88.8	88.6	88.4
15°	86.0	86.2	86.2	86.0	86.2
17.5°	79.4	79.7	79.5	79.5	79.5
20°	72.7	72.9	72.9	72.7	72.7
22.5°	66.5	66.3	66.3	66.3	66.3
25°	60.4	60.2	60.2	60.4	60.2
27.5°	54.5	54.7	54.7	54.5	54.7
30°	49.2	49.2	49.4	49.2	49.6
32.5°	44.5	44.5	44.3	44.5	44.5
35°	40.0	40.0	40.0	40.0	40.2
37.5°	35.8	36.0	36.2	36.2	36.0
40°	32.4	32.4	32.4	32.4	32.4
42.5°	29.0	29.0	29.2	29.2	29.2
45°	26.1	26.1	26.1	26.1	26.1
47.5°	23.5	23.5	23.3	23.3	23.5
50°	20.8	21.0	20.8	20.8	21.0
52.5°	18.7	18.6	18.6	18.7	18.7
55°	16.7	16.7	16.7	16.5	16.7
57.5°	14.8	14.8	14.6	14.6	14.6
60°	12.9	12.9	12.9	12.9	12.9
62.5°	11.4	11.4	11.4	11.4	11.4
65°	9.8	9.8	9.8	9.8	9.8
67.5°	8.5	8.5	8.5	8.5	8.3
70°	7.2	7.2	7.0	7.0	7.2
72.5°	5.9	5.9	5.9	5.9	5.9
75°	4.9	4.7	4.7	4.7	4.7
77.5°	3.8	3.8	3.6	3.8	3.6
80°	2.7	2.7	2.7	2.7	2.7
82.5°	1.9	1.7	1.7	1.7	1.7
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.2	0.2	0.2	0.2	0.4



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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)