

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: P1317066

Luminaire Tested: LDSQA3D02R359827DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

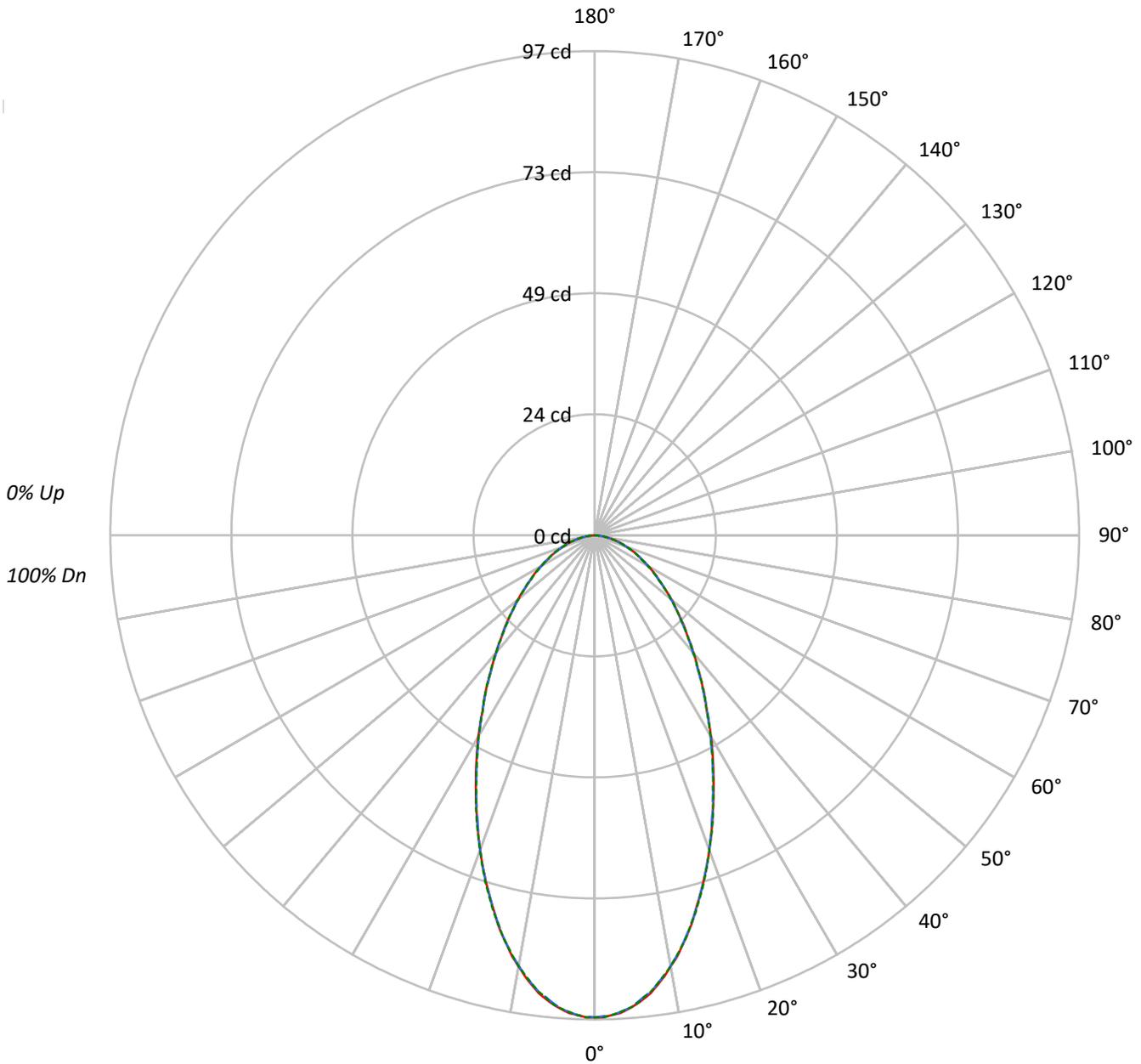
Test Method: LM-79-2019  
Report Number: P1317066  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R359827DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 129.0 lumens  
Efficiency: N/A  
Efficacy: 35.8 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): 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				
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	64	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	64	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	37
10	60	49	41	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°	16637	16637	16637
5°	16320	16285	16320
10°	15337	15319	15337
15°	13889	13889	13925
20°	12298	12298	12298
25°	10699	10660	10660
30°	9267	9207	9227
35°	7989	7947	7989
40°	6924	6880	6924
45°	6089	6040	6040
50°	5385	5359	5359
55°	4744	4744	4744
60°	4306	4237	4306
65°	3871	3871	3871
70°	3424	3424	3424
75°	3127	2994	3127
80°	2678	2678	2678
85°	1581	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6089 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.8	6.8
10°-20°	21.7	16.8
20°-30°	25.8	20.0
30°-40°	23.7	18.4
40°-50°	19.3	14.9
50°-60°	14.3	11.1
60°-70°	9.4	7.3
70°-80°	4.9	3.8
80°-90°	1.1	0.9
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>56.3</b>	<b>43.7</b>
<b>0°-40°</b>	<b>80.1</b>	<b>62.1</b>
<b>0°-60°</b>	<b>113.6</b>	<b>88.0</b>
<b>0°-90°</b>	<b>129.0</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>129.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	97	97	97	97	97	
5°	94	94	94	94	94	9
15°	78	78	78	78	78	22
25°	56	56	56	56	56	26
35°	38	38	38	38	38	24
45°	25	25	25	25	25	19
55°	16	16	16	16	16	14
65°	10	10	10	10	10	9
75°	5	5	4	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°	96.6	96.6	96.6	96.6	96.6
1°	96.6	96.4	96.4	96.4	96.6
2°	96.2	96.2	96.2	96.2	96.2
3°	95.9	95.7	95.7	95.7	95.7
4°	95.2	95.1	95.1	95.1	95.1
5°	94.4	94.2	94.2	94.2	94.4
6°	93.4	93.2	93.1	93.1	93.2
7°	92.4	92.1	92.1	92.1	92.1
8°	90.9	90.7	90.7	90.7	90.7
9°	89.4	89.1	89.2	89.2	89.2
10°	87.7	87.6	87.6	87.6	87.7
11°	86.1	85.9	85.9	85.7	85.9
12°	84.1	84.1	84.1	84.1	84.1
13°	82.2	82.1	82.1	82.1	82.2
14°	80.2	80.1	80.1	80.1	80.1
15°	77.9	77.9	77.9	77.9	78.1
17.5°	72.6	72.4	72.6	72.6	72.8
20°	67.1	66.9	67.1	67.1	67.1
22.5°	61.6	61.6	61.4	61.6	61.8
25°	56.3	56.1	56.1	56.3	56.1
27.5°	51.3	51.1	51.1	51.1	51.1
30°	46.6	46.3	46.3	46.4	46.4
32.5°	41.8	41.8	42.0	41.8	41.8
35°	38.0	37.8	37.8	38.0	38.0
37.5°	34.1	34.0	34.0	34.1	34.1
40°	30.8	30.8	30.6	30.8	30.8
42.5°	27.6	27.6	27.6	27.6	27.6
45°	25.0	24.8	24.8	24.8	24.8
47.5°	22.3	22.3	22.3	22.1	22.3
50°	20.1	20.0	20.0	20.0	20.0
52.5°	17.8	17.8	17.8	17.8	17.8
55°	15.8	15.8	15.8	15.8	15.8
57.5°	14.2	14.0	14.0	14.0	14.0
60°	12.5	12.5	12.3	12.5	12.5
62.5°	10.8	10.8	10.8	10.8	10.8
65°	9.5	9.5	9.5	9.5	9.5
67.5°	8.2	8.2	8.2	8.2	8.2
70°	6.8	6.8	6.8	6.8	6.8
72.5°	5.8	5.7	5.7	5.7	5.7
75°	4.7	4.7	4.5	4.7	4.7
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.7	2.7	2.7	2.5	2.7
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.2	0.2	0.2	0.3	0.3



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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)