

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: P1313191

Luminaire Tested: LDSQA3D02R309727DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

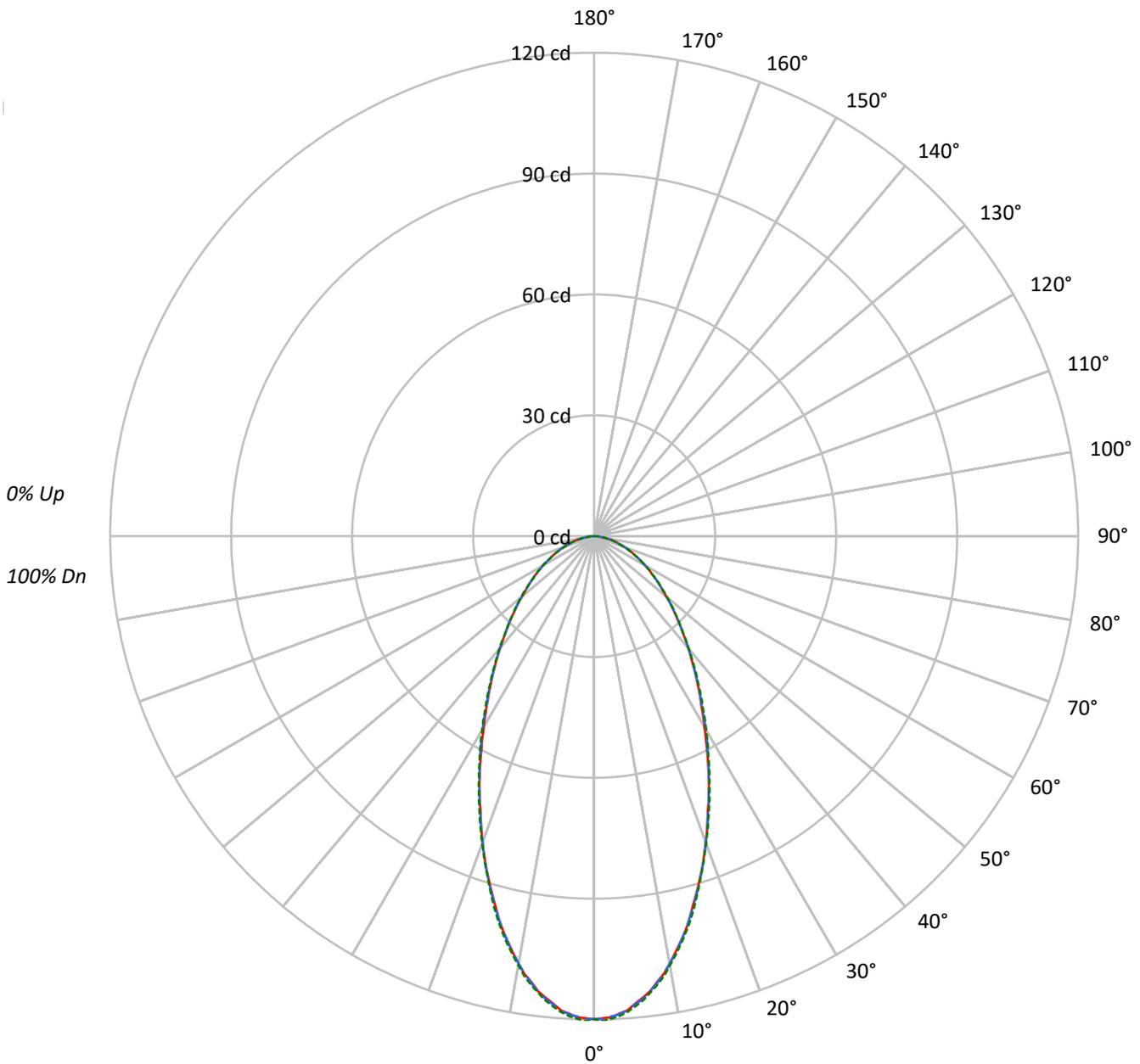
Test Method: LM-79-2019  
Report Number: P1313191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R309727DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 154.0 lumens  
Efficiency: N/A  
Efficacy: 42.8 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
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% Up  
100% Dn

— 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	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	20649	20649	20649
5°	20141	20175	20262
10°	18852	18852	18922
15°	16903	16938	17045
20°	14827	14827	14882
25°	12789	12789	12865
30°	10878	11017	11057
35°	9398	9440	9503
40°	8139	8183	8228
45°	7112	7161	7161
50°	6270	6270	6323
55°	5615	5615	5615
60°	5063	5063	5063
65°	4523	4523	4523
70°	4079	4079	4079
75°	3660	3527	3527
80°	3174	2975	2975
85°	2174	2174	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 7161 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.9	7.1
10°-20°	26.5	17.2
20°-30°	30.9	20.1
30°-40°	28.1	18.3
40°-50°	22.7	14.8
50°-60°	16.8	10.9
60°-70°	11.1	7.2
70°-80°	5.7	3.7
80°-90°	1.3	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>68.3</b>	<b>44.3</b>
<b>0°-40°</b>	<b>96.4</b>	<b>62.6</b>
<b>0°-60°</b>	<b>135.9</b>	<b>88.3</b>
<b>0°-90°</b>	<b>154.0</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>154.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	120	120	120	120	120	
5°	116	116	117	117	117	11
15°	95	95	95	95	96	26
25°	67	67	67	67	68	31
35°	45	44	45	45	45	28
45°	29	29	29	29	29	23
55°	19	18	19	18	19	17
65°	11	11	11	11	11	11
75°	6	5	5	5	5	6
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°	119.9	119.9	119.9	119.9	119.9
1°	119.7	119.7	119.9	119.7	120.4
2°	119.5	119.3	119.3	119.3	119.9
3°	118.7	118.7	118.9	118.7	119.3
4°	118.0	117.8	118.0	117.8	118.4
5°	116.5	116.5	116.7	116.7	117.2
6°	115.2	115.2	115.5	115.2	115.9
7°	113.8	113.8	113.8	113.8	114.2
8°	111.8	111.8	112.1	112.1	112.5
9°	110.1	109.9	109.9	109.9	110.6
10°	107.8	107.8	107.8	107.8	108.2
11°	105.4	105.4	105.4	105.4	105.9
12°	102.9	102.9	103.1	102.9	103.5
13°	100.5	100.5	100.5	100.5	101.0
14°	97.8	97.6	97.8	97.8	98.4
15°	94.8	95.0	95.0	95.0	95.6
17.5°	88.0	88.0	88.2	87.8	88.2
20°	80.9	80.7	80.9	80.9	81.2
22.5°	73.7	73.9	73.9	73.9	74.3
25°	67.3	67.1	67.3	67.3	67.7
27.5°	60.7	60.9	61.1	60.9	61.4
30°	54.7	55.2	55.4	55.0	55.6
32.5°	49.4	49.4	49.6	49.8	50.1
35°	44.7	44.5	44.9	44.9	45.2
37.5°	40.3	40.3	40.3	40.5	40.7
40°	36.2	36.2	36.4	36.4	36.6
42.5°	32.6	32.4	32.6	32.6	32.6
45°	29.2	29.4	29.4	29.4	29.4
47.5°	26.2	26.2	26.4	26.2	26.4
50°	23.4	23.4	23.4	23.4	23.6
52.5°	20.9	20.9	20.9	20.9	21.1
55°	18.7	18.5	18.7	18.5	18.7
57.5°	16.6	16.6	16.6	16.6	16.6
60°	14.7	14.5	14.7	14.5	14.7
62.5°	12.8	12.8	12.8	12.8	12.8
65°	11.1	11.1	11.1	11.1	11.1
67.5°	9.6	9.6	9.6	9.4	9.4
70°	8.1	8.1	8.1	8.1	8.1
72.5°	6.8	6.6	6.6	6.6	6.6
75°	5.5	5.3	5.3	5.3	5.3
77.5°	4.3	4.3	4.0	4.0	4.3
80°	3.2	3.0	3.0	3.0	3.0
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.2	0.2	0.2	0.4	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)