

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: P1306670

Luminaire Tested: LDSQA3D02R309024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

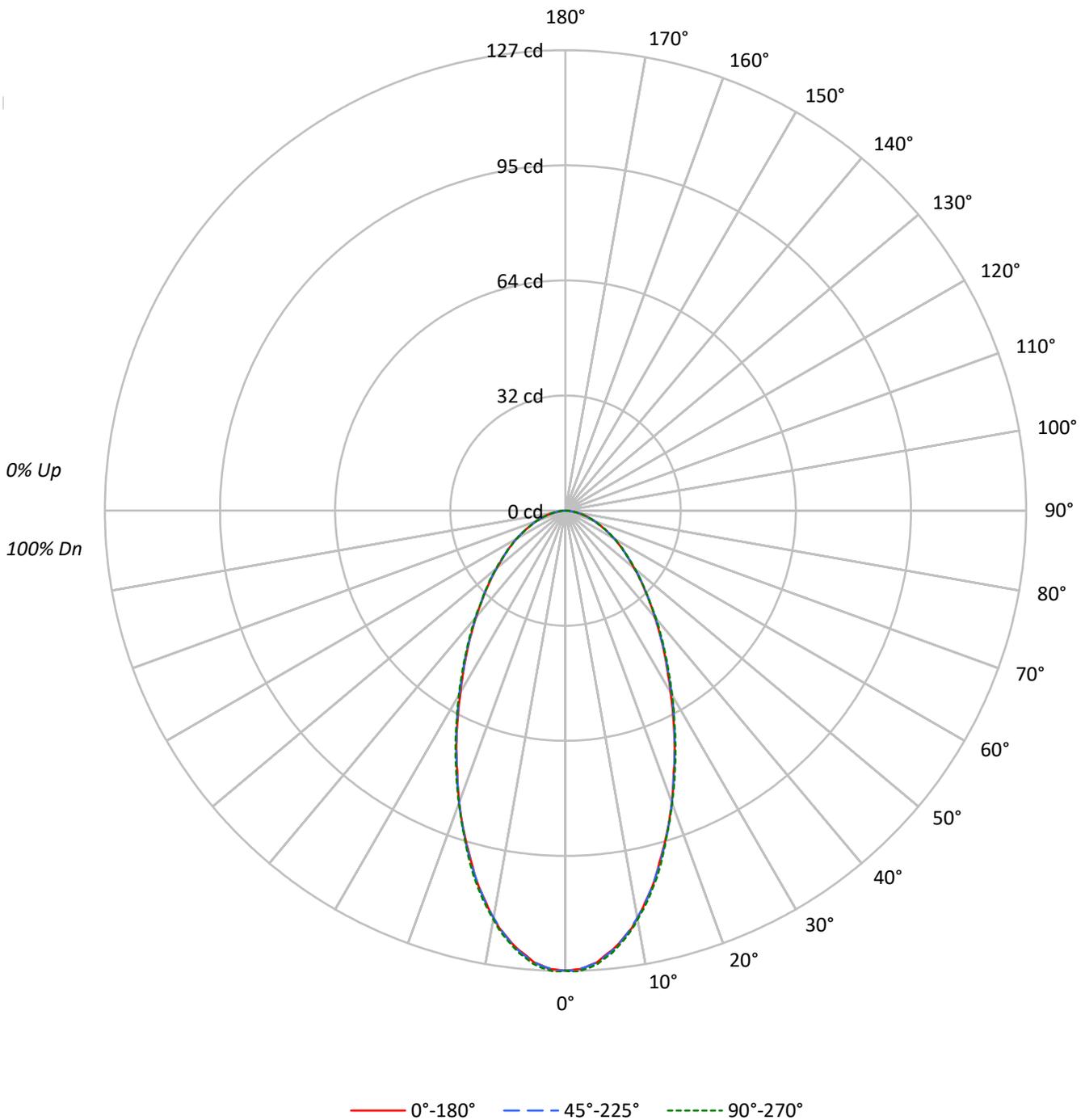
Test Method: LM-79-2019  
Report Number: P1306670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R309024DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 163.0 lumens  
Efficiency: N/A  
Efficacy: 45.3 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





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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

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

	0°	45°	90°
0°	21855	21855	21855
5°	21316	21368	21437
10°	19954	19954	20024
15°	17883	17937	18044
20°	15707	15707	15743
25°	13530	13530	13625
30°	11514	11654	11693
35°	9945	10008	10050
40°	8611	8678	8723
45°	7526	7575	7575
50°	6645	6645	6698
55°	5945	5945	5945
60°	5373	5373	5373
65°	4768	4768	4768
70°	4330	4330	4330
75°	3926	3726	3726
80°	3372	3174	3174
85°	2174	2174	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 7575 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.5	7.1
10°-20°	28.0	17.2
20°-30°	32.7	20.1
30°-40°	29.8	18.3
40°-50°	24.1	14.8
50°-60°	17.8	10.9
60°-70°	11.7	7.2
70°-80°	6.1	3.7
80°-90°	1.4	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
<b>0°-30°</b>	<b>72.3</b>	<b>44.3</b>
<b>0°-40°</b>	<b>102.0</b>	<b>62.6</b>
<b>0°-60°</b>	<b>143.9</b>	<b>88.3</b>
<b>0°-90°</b>	<b>163.0</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>163.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	127	127	127	127	127	
5°	123	123	124	124	124	11
15°	100	101	101	101	101	28
25°	71	71	71	71	72	33
35°	47	47	48	48	48	30
45°	31	31	31	31	31	24
55°	20	20	20	20	20	18
65°	12	12	12	12	12	12
75°	6	6	6	6	6	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°	126.9	126.9	126.9	126.9	126.9
1°	126.7	126.7	126.9	126.7	127.4
2°	126.5	126.3	126.3	126.3	126.9
3°	125.6	125.6	125.8	125.6	126.3
4°	124.9	124.7	124.9	124.7	125.4
5°	123.3	123.3	123.6	123.6	124.0
6°	122.0	122.0	122.2	122.0	122.7
7°	120.4	120.4	120.4	120.4	120.9
8°	118.4	118.4	118.6	118.6	119.0
9°	116.6	116.3	116.3	116.3	117.0
10°	114.1	114.1	114.1	114.1	114.5
11°	111.6	111.6	111.6	111.6	112.1
12°	108.9	108.9	109.1	108.9	109.6
13°	106.4	106.4	106.4	106.4	106.9
14°	103.5	103.3	103.5	103.5	104.2
15°	100.3	100.6	100.6	100.6	101.2
17.5°	93.1	93.1	93.3	92.9	93.3
20°	85.7	85.5	85.7	85.7	85.9
22.5°	78.0	78.2	78.2	78.2	78.7
25°	71.2	71.0	71.2	71.2	71.7
27.5°	64.3	64.5	64.7	64.5	64.9
30°	57.9	58.4	58.6	58.2	58.8
32.5°	52.3	52.3	52.5	52.8	53.0
35°	47.3	47.1	47.6	47.6	47.8
37.5°	42.6	42.6	42.6	42.8	43.1
40°	38.3	38.3	38.6	38.6	38.8
42.5°	34.5	34.3	34.5	34.5	34.5
45°	30.9	31.1	31.1	31.1	31.1
47.5°	27.7	27.7	28.0	27.7	28.0
50°	24.8	24.8	24.8	24.8	25.0
52.5°	22.1	22.1	22.1	22.1	22.3
55°	19.8	19.6	19.8	19.6	19.8
57.5°	17.6	17.6	17.6	17.6	17.6
60°	15.6	15.3	15.6	15.3	15.6
62.5°	13.5	13.5	13.5	13.5	13.5
65°	11.7	11.7	11.7	11.7	11.7
67.5°	10.1	10.1	10.1	9.9	9.9
70°	8.6	8.6	8.6	8.6	8.6
72.5°	7.2	7.0	7.0	7.0	7.0
75°	5.9	5.6	5.6	5.6	5.6
77.5°	4.5	4.5	4.3	4.3	4.5
80°	3.4	3.2	3.2	3.2	3.2
82.5°	2.0	2.0	2.0	2.0	2.0
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.2	0.2	0.2	0.5	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)