

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: P1314163

Luminaire Tested: LDSQA3D02R309730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

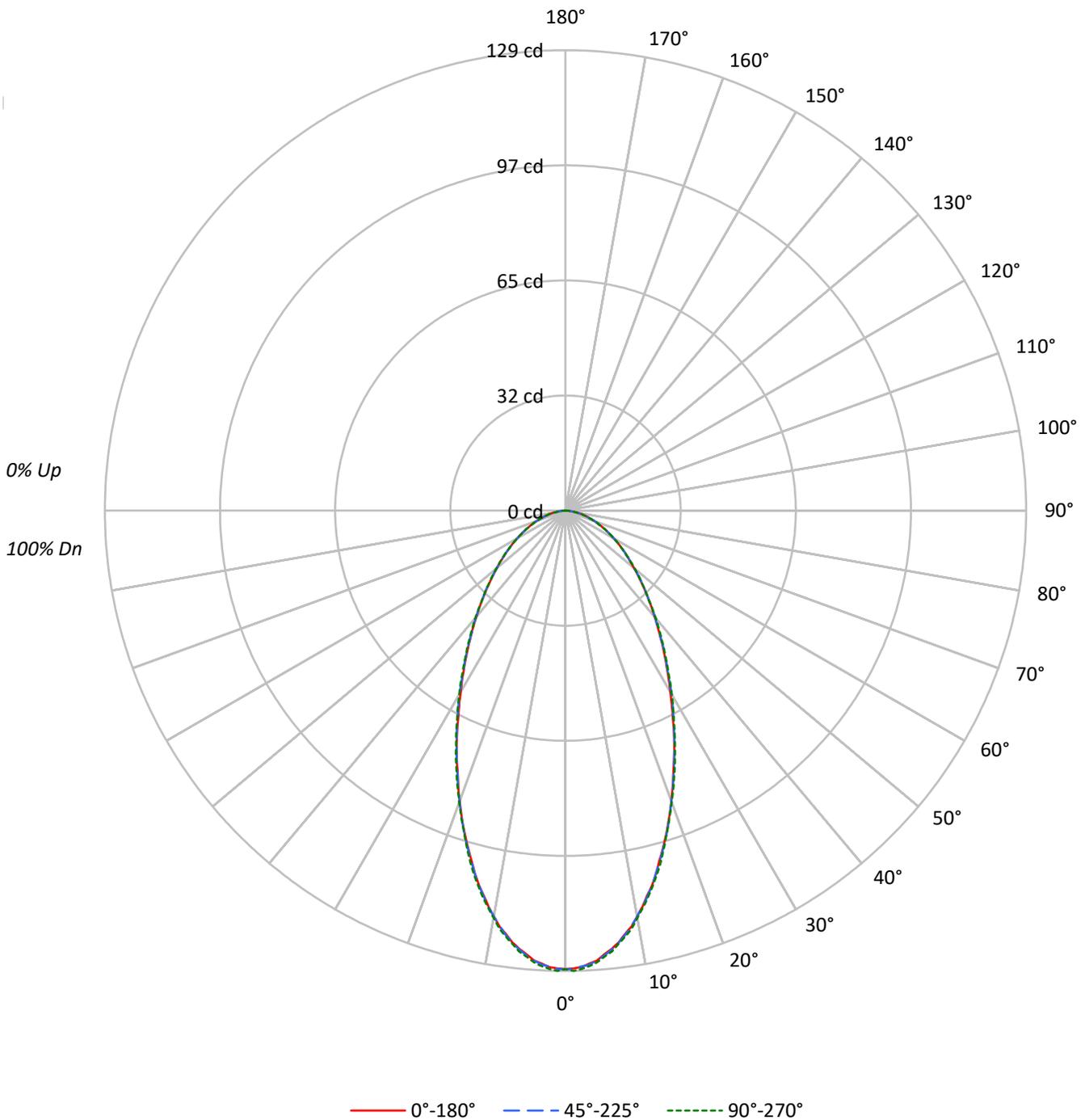
Test Method: LM-79-2019  
Report Number: P1314163  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R309730DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 165.0 lumens  
Efficiency: N/A  
Efficacy: 45.8 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





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

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

	0°	45°	90°
0°	22131	22131	22131
5°	21575	21627	21697
10°	20199	20199	20269
15°	18115	18151	18276
20°	15890	15890	15945
25°	13701	13701	13796
30°	11673	11793	11852
35°	10071	10134	10176
40°	8723	8768	8835
45°	7623	7672	7672
50°	6725	6725	6779
55°	6035	6035	6035
60°	5408	5408	5408
65°	4849	4849	4849
70°	4381	4381	4381
75°	3926	3793	3793
80°	3372	3174	3174
85°	2174	2174	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 7672 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.6	7.1
10°-20°	28.4	17.2
20°-30°	33.1	20.1
30°-40°	30.2	18.3
40°-50°	24.4	14.8
50°-60°	18.0	10.9
60°-70°	11.9	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>73.1</b>	<b>44.3</b>
<b>0°-40°</b>	<b>103.3</b>	<b>62.6</b>
<b>0°-60°</b>	<b>145.6</b>	<b>88.3</b>
<b>0°-90°</b>	<b>165.0</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>165.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	128	128	128	128	128	
5°	125	125	125	125	126	12
15°	102	102	102	102	102	28
25°	72	72	72	72	73	33
35°	48	48	48	48	48	30
45°	31	32	32	32	32	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°	128.5	128.5	128.5	128.5	128.5
1°	128.3	128.3	128.5	128.3	129.0
2°	128.0	127.8	127.8	127.8	128.5
3°	127.1	127.1	127.4	127.1	127.8
4°	126.4	126.2	126.4	126.2	126.9
5°	124.8	124.8	125.1	125.1	125.5
6°	123.5	123.5	123.7	123.5	124.2
7°	121.9	121.9	121.9	121.9	122.3
8°	119.8	119.8	120.1	120.1	120.5
9°	118.0	117.8	117.8	117.8	118.5
10°	115.5	115.5	115.5	115.5	115.9
11°	113.0	113.0	113.0	113.0	113.4
12°	110.2	110.2	110.5	110.2	110.9
13°	107.7	107.7	107.7	107.7	108.2
14°	104.8	104.5	104.8	104.8	105.4
15°	101.6	101.8	101.8	101.8	102.5
17.5°	94.3	94.3	94.5	94.0	94.5
20°	86.7	86.5	86.7	86.7	87.0
22.5°	79.0	79.2	79.2	79.2	79.7
25°	72.1	71.9	72.1	72.1	72.6
27.5°	65.0	65.3	65.5	65.3	65.7
30°	58.7	59.1	59.3	58.9	59.6
32.5°	53.0	53.0	53.2	53.4	53.6
35°	47.9	47.7	48.2	48.2	48.4
37.5°	43.1	43.1	43.1	43.4	43.6
40°	38.8	38.8	39.0	39.0	39.3
42.5°	34.9	34.7	34.9	34.9	34.9
45°	31.3	31.5	31.5	31.5	31.5
47.5°	28.1	28.1	28.3	28.1	28.3
50°	25.1	25.1	25.1	25.1	25.3
52.5°	22.4	22.4	22.4	22.4	22.6
55°	20.1	19.9	20.1	19.9	20.1
57.5°	17.8	17.8	17.8	17.8	17.8
60°	15.7	15.5	15.7	15.5	15.7
62.5°	13.7	13.7	13.7	13.7	13.7
65°	11.9	11.9	11.9	11.9	11.9
67.5°	10.3	10.3	10.3	10.0	10.0
70°	8.7	8.7	8.7	8.7	8.7
72.5°	7.3	7.1	7.1	7.1	7.1
75°	5.9	5.7	5.7	5.7	5.7
77.5°	4.6	4.6	4.3	4.3	4.6
80°	3.4	3.2	3.2	3.2	3.2
82.5°	2.1	2.1	2.1	2.1	2.1
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)