

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: P1307624

Luminaire Tested: LDSQA3D02R259027DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

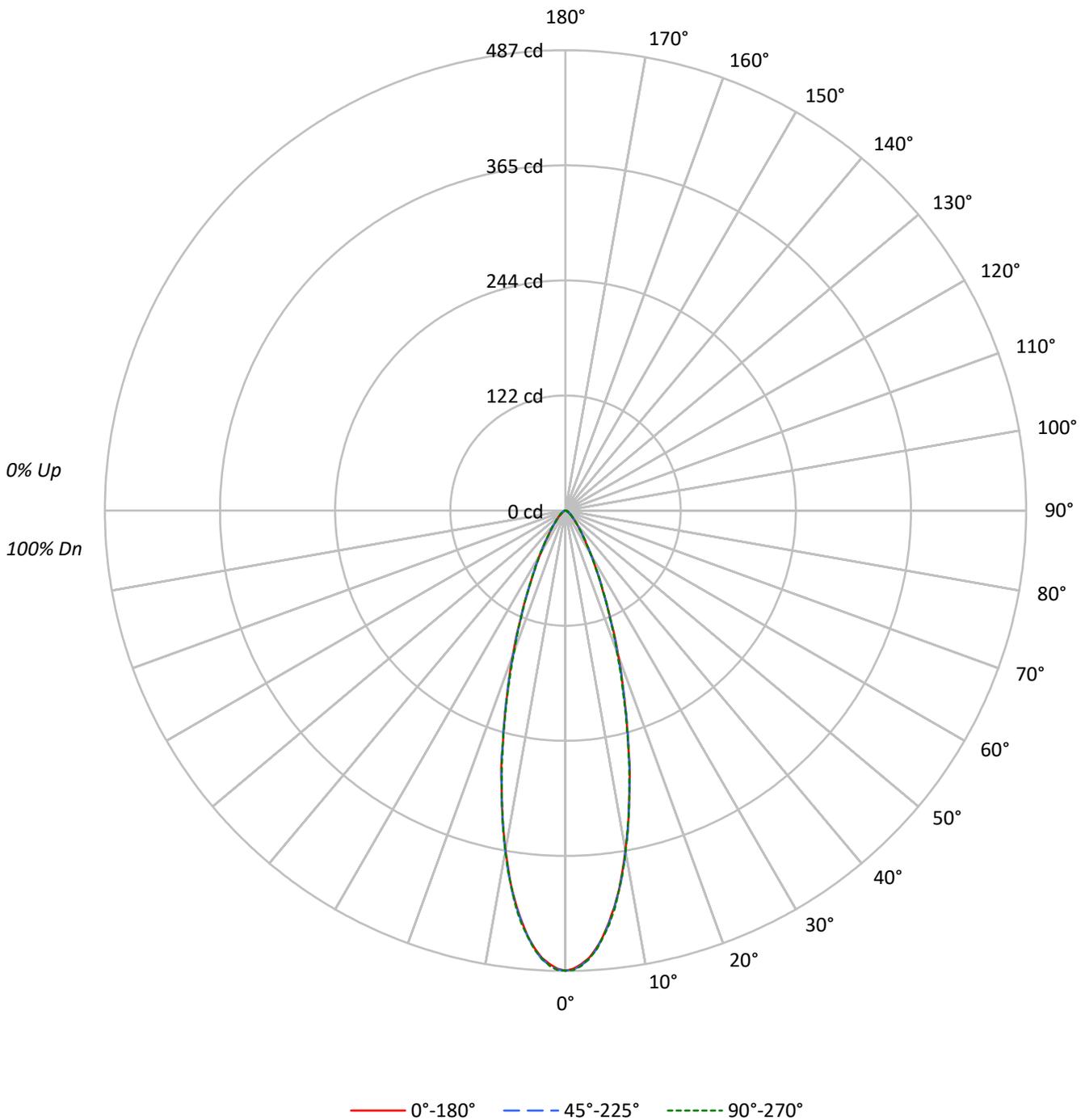
Test Method: LM-79-2019  
Report Number: P1307624  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R259027DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 195.0 lumens  
Efficiency: N/A  
Efficacy: 54.2 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
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





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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

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

	0°	45°	90°
0°	83821	83821	83821
5°	78228	78315	78349
10°	63814	64006	64006
15°	45573	45823	45573
20°	29837	29544	29122
25°	17729	17825	17729
30°	10679	10679	10639
35°	6518	6560	6518
40°	4137	4204	4204
45°	2874	2874	2874
50°	2063	2143	2143
55°	1651	1651	1711
60°	1343	1412	1412
65°	1223	1223	1223
70°	1007	1007	1158
75°	932	932	1065
80°	893	893	893
85°	395	395	395

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2874 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.4	20.7
10°-20°	70.5	36.1
20°-30°	44.3	22.7
30°-40°	20.3	10.4
40°-50°	9.5	4.9
50°-60°	5.1	2.6
60°-70°	3.0	1.5
70°-80°	1.6	0.8
80°-90°	0.3	0.2
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
0°-30°	155.3	79.6
0°-40°	175.5	90.0
0°-60°	190.1	97.5
0°-90°	195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	195.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	487	487	487	487	487	
5°	452	453	453	453	453	40
15°	256	257	257	257	256	70
25°	93	94	94	94	93	44
35°	31	31	31	31	31	20
45°	12	12	12	12	12	9
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	1	1	1	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	486.7	486.7	486.7	486.7	486.7
1°	484.6	485.1	485.5	486.2	486.0
2°	480.1	481.0	481.2	482.1	481.9
3°	473.9	473.7	475.5	475.5	474.4
4°	464.4	464.8	465.3	465.7	466.0
5°	452.5	453.4	453.0	453.4	453.2
6°	438.0	439.3	439.1	439.5	440.2
7°	422.5	423.4	423.4	422.9	424.8
8°	405.6	404.9	406.1	405.6	405.4
9°	385.6	387.0	387.2	386.1	386.5
10°	364.9	365.8	366.0	366.7	366.0
11°	344.4	344.4	344.9	346.0	344.2
12°	322.1	324.1	322.1	323.0	322.1
13°	300.9	301.4	300.9	300.7	299.1
14°	280.9	279.3	279.8	277.9	278.2
15°	255.6	257.2	257.0	257.4	255.6
17.5°	205.5	206.5	206.2	205.8	203.5
20°	162.8	162.8	161.2	160.2	158.9
22.5°	124.3	123.8	123.1	122.5	122.9
25°	93.3	94.5	93.8	93.8	93.3
27.5°	70.6	71.9	70.8	70.1	70.6
30°	53.7	54.2	53.7	53.5	53.5
32.5°	40.5	40.7	40.5	40.5	40.5
35°	31.0	31.0	31.2	31.2	31.0
37.5°	23.9	23.9	23.9	23.9	24.1
40°	18.4	18.7	18.7	18.7	18.7
42.5°	14.6	14.8	14.8	14.8	14.8
45°	11.8	11.8	11.8	11.8	11.8
47.5°	9.6	9.6	9.6	9.6	9.8
50°	7.7	8.0	8.0	8.0	8.0
52.5°	6.6	6.6	6.6	6.6	6.6
55°	5.5	5.5	5.5	5.7	5.7
57.5°	4.6	4.6	4.8	4.8	4.8
60°	3.9	4.1	4.1	4.1	4.1
62.5°	3.4	3.4	3.6	3.6	3.6
65°	3.0	3.0	3.0	3.0	3.0
67.5°	2.5	2.5	2.5	2.5	2.7
70°	2.0	2.0	2.0	2.3	2.3
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.6	1.6
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.5	0.5	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



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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)