

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: P1307625

Luminaire Tested: LDSQA3D02R259027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307625  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R259027DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

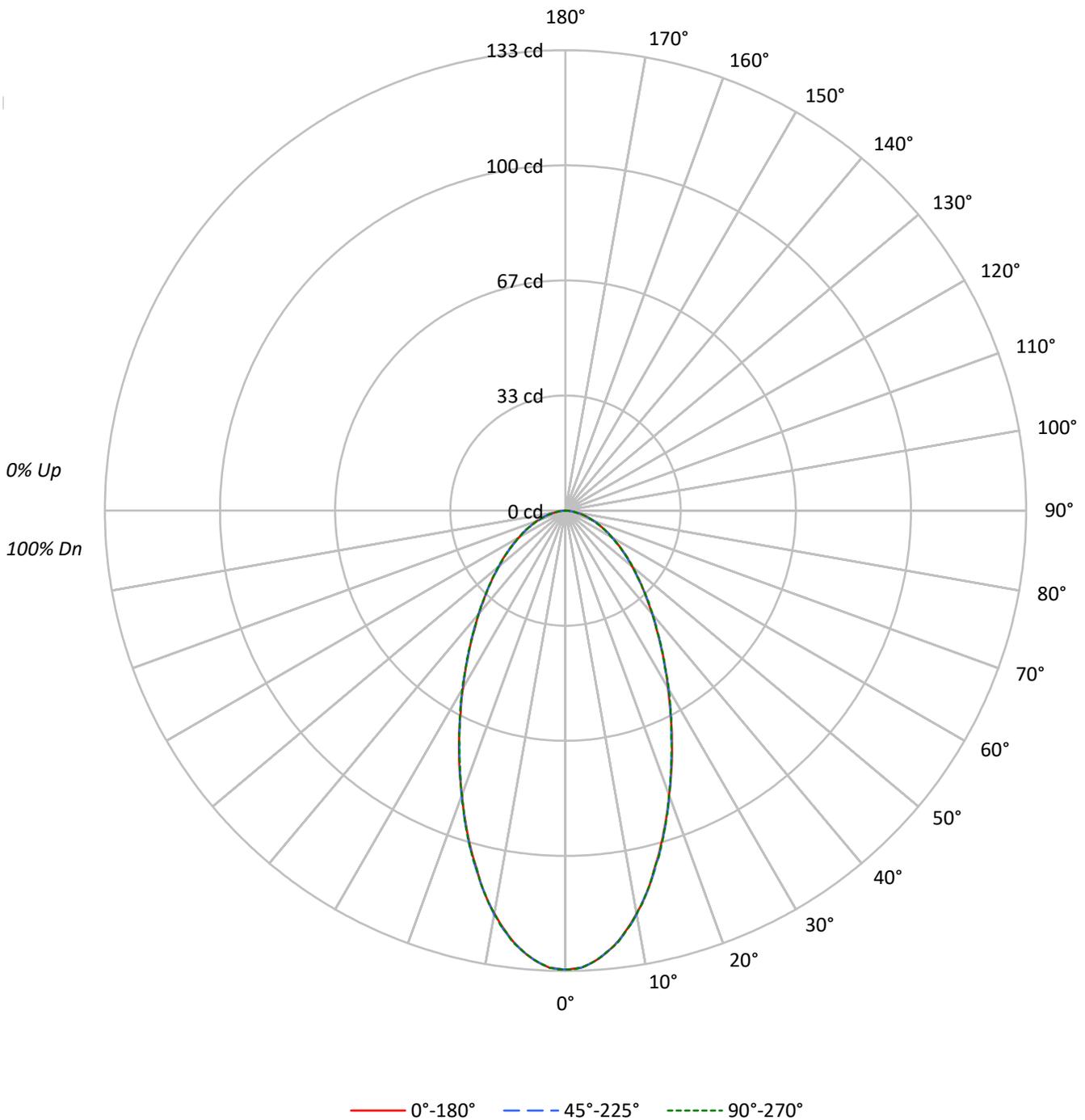
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 166.0 lumens  
Efficiency: N/A  
Efficacy: 46.1 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89  
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

TEST NUMBER: P1307625  
CATALOG NUMBER: LDSQA3D02R259027DE010 3LSQPHRLD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1307625

CATALOG NUMBER: LDSQA3D02R259027DE010 3LSQPHRLD1MW

**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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	63	61
5	83	72	64	58	81	71	63	58	69	62	58	67	61	57	65	60	56	56	56	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	51	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	22837	22837	22837
5°	22250	22250	22250
10°	20671	20723	20671
15°	18436	18490	18490
20°	16037	16073	16037
25°	13815	13758	13758
30°	11773	11833	11872
35°	10113	10113	10155
40°	8768	8768	8768
45°	7648	7648	7648
50°	6725	6725	6779
55°	6005	6005	6005
60°	5339	5339	5339
65°	4809	4809	4809
70°	4381	4230	4381
75°	3926	3793	3793
80°	3174	3174	3174
85°	2174	2174	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7648 cd/sqm



TEST NUMBER: P1307625

CATALOG NUMBER: LDSQA3D02R259027DE010 3LSQPHRLD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.0	7.2
10°-20°	28.9	17.4
20°-30°	33.3	20.1
30°-40°	30.2	18.2
40°-50°	24.4	14.7
50°-60°	17.9	10.8
60°-70°	11.8	7.1
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
0°-30°	74.2	44.7
0°-40°	104.4	62.9
0°-60°	146.7	88.4
0°-90°	166.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	166.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	133	133	133	133	133	
5°	129	129	129	129	129	12
15°	103	104	104	103	104	29
25°	73	72	72	73	72	33
35°	48	48	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	



TEST NUMBER: P1307625

CATALOG NUMBER: LDSQA3D02R259027DE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	132.6	132.6	132.6	132.6	132.6
1°	132.4	132.8	132.4	132.4	132.6
2°	132.1	132.4	132.1	132.1	132.1
3°	131.2	131.7	131.2	131.2	131.2
4°	130.1	130.5	130.1	130.1	130.1
5°	128.7	129.2	128.7	128.7	128.7
6°	127.1	127.4	127.1	127.1	127.1
7°	125.3	125.5	125.3	125.3	125.5
8°	123.0	123.2	123.2	123.0	123.0
9°	120.7	121.0	121.0	120.7	121.0
10°	118.2	118.5	118.5	118.2	118.2
11°	115.7	116.0	115.5	115.5	115.7
12°	112.8	113.0	112.8	112.8	112.8
13°	109.8	109.8	109.8	109.8	109.8
14°	106.4	106.8	106.8	106.6	106.4
15°	103.4	103.7	103.7	103.4	103.7
17.5°	95.5	95.9	95.7	95.7	95.7
20°	87.5	87.7	87.7	87.5	87.5
22.5°	80.0	79.7	79.7	79.7	79.7
25°	72.7	72.4	72.4	72.7	72.4
27.5°	65.6	65.8	65.8	65.6	65.8
30°	59.2	59.2	59.5	59.2	59.7
32.5°	53.5	53.5	53.3	53.5	53.5
35°	48.1	48.1	48.1	48.1	48.3
37.5°	43.1	43.3	43.5	43.5	43.3
40°	39.0	39.0	39.0	39.0	39.0
42.5°	34.9	34.9	35.1	35.1	35.1
45°	31.4	31.4	31.4	31.4	31.4
47.5°	28.2	28.2	28.0	28.0	28.2
50°	25.1	25.3	25.1	25.1	25.3
52.5°	22.6	22.3	22.3	22.6	22.6
55°	20.0	20.0	20.0	19.8	20.0
57.5°	17.8	17.8	17.5	17.5	17.5
60°	15.5	15.5	15.5	15.5	15.5
62.5°	13.7	13.7	13.7	13.7	13.7
65°	11.8	11.8	11.8	11.8	11.8
67.5°	10.3	10.3	10.3	10.3	10.0
70°	8.7	8.7	8.4	8.4	8.7
72.5°	7.1	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	4.6	4.3
80°	3.2	3.2	3.2	3.2	3.2
82.5°	2.3	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	0.2	0.5



TEST NUMBER: P1307625

CATALOG NUMBER: LDSQA3D02R259027DE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)