

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: P1313236

Luminaire Tested: LDSQA3D02R509727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313236  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R509727DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

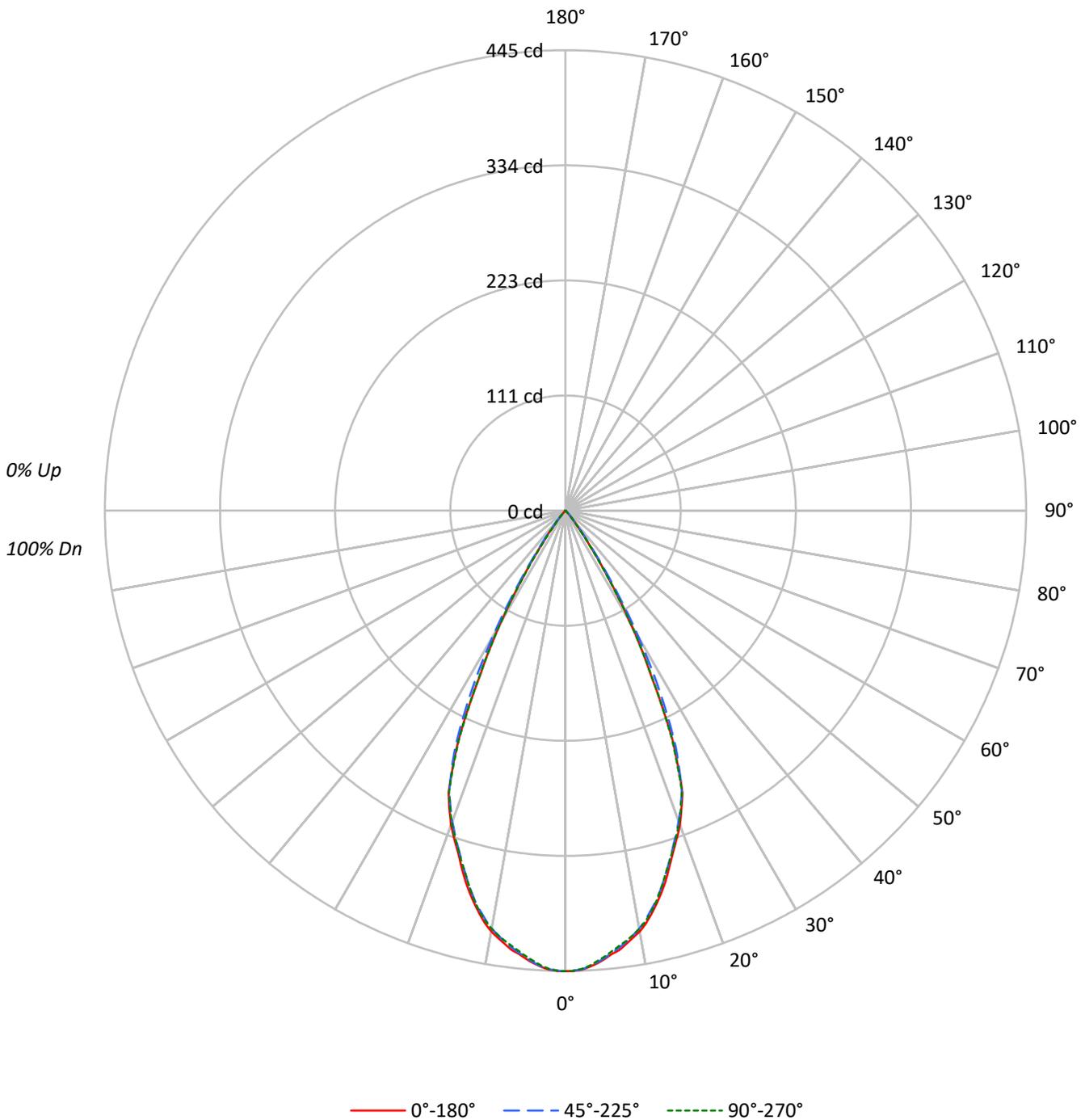
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 287.0 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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: P1313236  
CATALOG NUMBER: LDSQA3D02R509727DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1313236

CATALOG NUMBER: LDSQA3D02R509727DE010 3LSQCDR1MW

**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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	76691	76691	76691
5°	75203	75047	74840
10°	72260	71753	71788
15°	66327	65703	65631
20°	59253	58612	58923
25°	46576	47925	46176
30°	24918	27921	24997
35°	8136	9503	7674
40°	2023	2518	1933
45°	244	901	244
50°	161	268	161
55°	180	180	180
60°	138	138	138
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 901 cd/sqm



TEST NUMBER: P1313236

CATALOG NUMBER: LDSQA3D02R509727DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.7	14.2
10°-20°	103.0	35.9
20°-30°	108.3	37.7
30°-40°	31.2	10.9
40°-50°	2.5	0.9
50°-60°	0.5	0.2
60°-70°	0.4	0.1
70°-80°	0.2	0.1
80°-90°	0.1	0.0
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°	252.0	87.8
0°-40°	283.3	98.7
0°-60°	286.3	99.8
0°-90°	287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	287.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	445	445	445	445	445	
5°	435	435	434	434	433	41
15°	372	370	368	368	368	104
25°	245	251	252	249	243	106
35°	39	40	45	39	36	30
45°	1	2	4	2	1	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1313236

CATALOG NUMBER: LDSQA3D02R509727DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	445.3	445.3	445.3	445.3	445.3
1°	445.1	445.5	444.7	446.2	444.9
2°	444.1	444.3	443.9	444.9	443.3
3°	441.7	442.1	441.3	442.1	440.7
4°	438.8	438.8	438.0	438.6	436.8
5°	435.0	434.8	434.1	434.5	432.9
6°	430.9	430.7	429.7	429.7	428.4
7°	427.8	426.4	425.6	425.4	424.2
8°	422.9	422.5	420.9	420.9	420.1
9°	418.0	417.6	415.8	416.2	415.6
10°	413.2	411.7	410.3	410.5	410.5
11°	406.6	405.4	403.4	404.2	404.6
12°	398.9	397.5	395.6	397.3	397.1
13°	390.3	389.1	387.7	388.9	388.5
14°	381.4	379.5	378.3	379.1	378.7
15°	372.0	369.6	368.5	368.5	368.1
17.5°	345.7	344.3	343.3	342.7	344.1
20°	323.3	322.1	319.8	320.5	321.5
22.5°	295.2	295.0	293.8	292.8	294.0
25°	245.1	251.2	252.2	249.4	243.0
27.5°	178.1	192.3	197.4	190.7	179.1
30°	125.3	132.0	140.4	127.1	125.7
32.5°	75.6	77.4	85.2	76.0	74.0
35°	38.7	40.1	45.2	38.7	36.5
37.5°	18.1	18.9	21.0	18.1	16.9
40°	9.0	10.0	11.2	9.4	8.6
42.5°	3.9	5.1	6.5	4.9	3.5
45°	1.0	2.0	3.7	2.0	1.0
47.5°	0.6	0.8	2.0	0.8	0.6
50°	0.6	0.6	1.0	0.6	0.6
52.5°	0.6	0.6	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.4	0.6	0.4	0.6	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.0	0.2	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1313236  
CATALOG NUMBER: LDSQA3D02R509727DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)