

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: P1306697

Luminaire Tested: LDSQA3D02R409024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

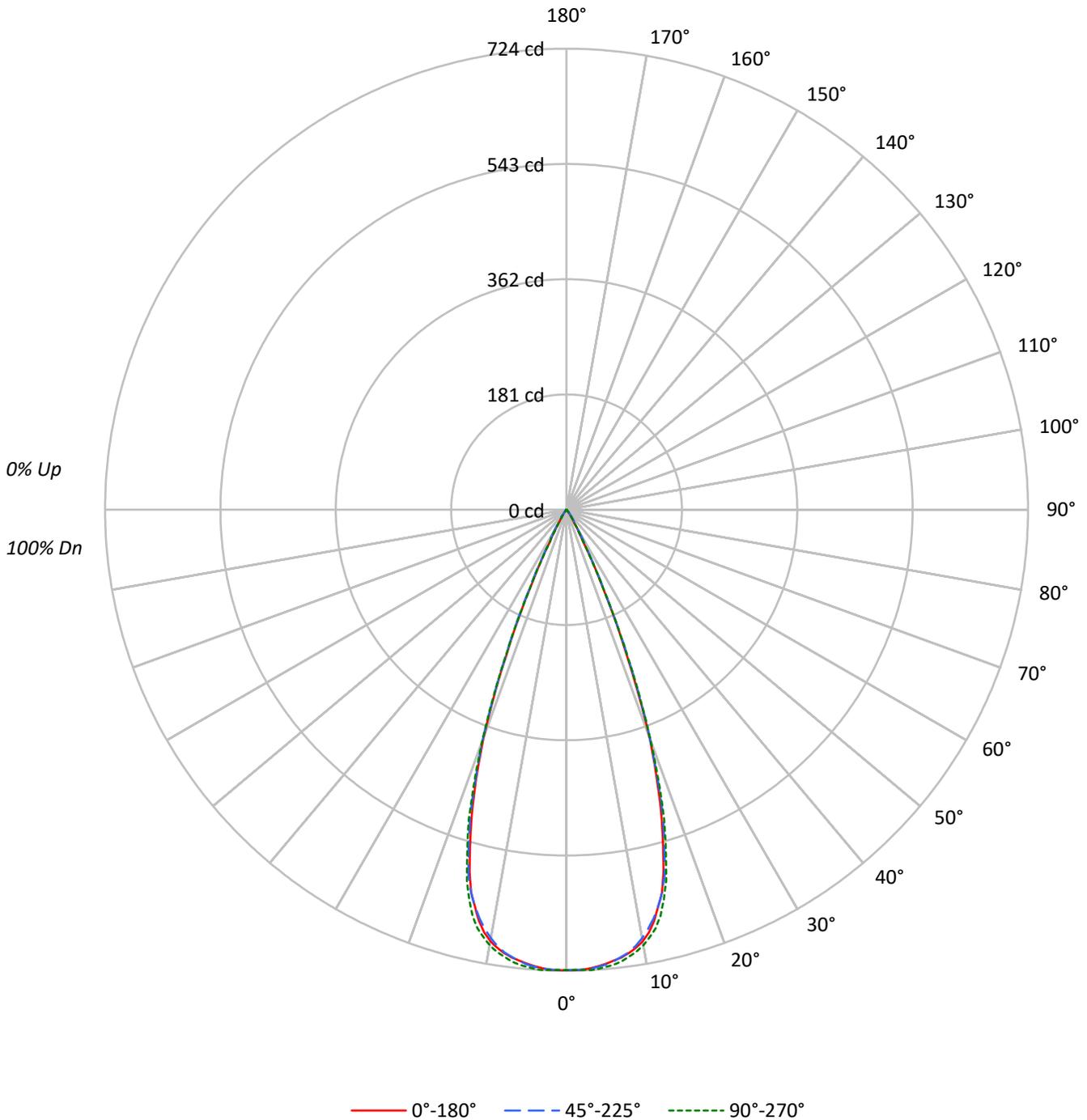
Test Method: LM-79-2019  
Report Number: P1306697  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R409024DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 305.9 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
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: P1306697  
CATALOG NUMBER: LDSQA3D02R409024DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1306697

CATALOG NUMBER: LDSQA3D02R409024DE010 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	100	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	77	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	72	69	69	69	68

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

	0°	45°	90°
0°	124517	124517	124517
5°	123696	123886	124543
10°	120352	119443	121436
15°	104857	105927	107585
20°	69846	70195	70873
25°	25388	26167	25521
30°	5389	7239	5389
35°	1892	3217	1808
40°	674	1012	674
45°	146	414	146
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	163	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 414 cd/sqm



TEST NUMBER: P1306697

CATALOG NUMBER: LDSQA3D02R409024DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.6	22.1
10°-20°	157.4	51.5
20°-30°	70.9	23.2
30°-40°	8.1	2.6
40°-50°	1.2	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.1
80°-90°	0.0	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°	295.9	96.7
0°-40°	303.9	99.3
0°-60°	305.4	99.8
0°-90°	305.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	305.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	723	723	723	723	723	
5°	716	715	717	720	720	67
15°	588	590	594	599	603	156
25°	134	134	138	138	134	69
35°	9	10	15	10	9	7
45°	1	1	2	1	1	1
55°	0	0	0	0	0	0
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: P1306697

CATALOG NUMBER: LDSQA3D02R409024DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	723.0	723.0	723.0	723.0	723.0
1°	723.4	722.8	722.6	723.9	722.8
2°	722.8	722.4	722.6	723.9	723.0
3°	720.9	721.1	721.7	724.1	723.9
4°	718.5	718.3	719.6	722.6	722.6
5°	715.5	714.6	716.6	719.8	720.4
6°	712.0	711.0	712.5	716.6	718.1
7°	708.2	706.0	707.3	712.3	714.2
8°	703.0	700.2	701.7	706.7	708.2
9°	696.5	692.2	693.5	699.6	702.6
10°	688.2	682.8	683.0	689.7	694.4
11°	676.3	670.3	670.5	678.9	683.9
12°	660.6	655.2	656.3	664.1	672.0
13°	639.3	637.8	639.1	647.5	654.8
14°	618.7	617.1	619.5	627.3	630.7
15°	588.1	589.6	594.1	598.9	603.4
17.5°	491.3	497.1	502.5	505.7	509.6
20°	381.1	374.4	383.0	379.2	386.7
22.5°	246.0	250.9	253.1	250.9	251.8
25°	133.6	134.5	137.7	137.7	134.3
27.5°	56.8	61.3	65.4	63.9	56.8
30°	27.1	31.2	36.4	31.4	27.1
32.5°	15.3	18.1	23.5	17.6	14.8
35°	9.0	10.1	15.3	9.7	8.6
37.5°	5.4	5.6	8.4	5.8	5.2
40°	3.0	3.7	4.5	3.7	3.0
42.5°	1.5	2.2	2.8	2.2	1.5
45°	0.6	1.1	1.7	1.1	0.6
47.5°	0.6	0.6	1.1	0.6	0.6
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	0.4	0.4	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
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°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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: P1306697  
CATALOG NUMBER: LDSQA3D02R409024DE010 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)