

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: P1317074

Luminaire Tested: LDSQA3D02R409827DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

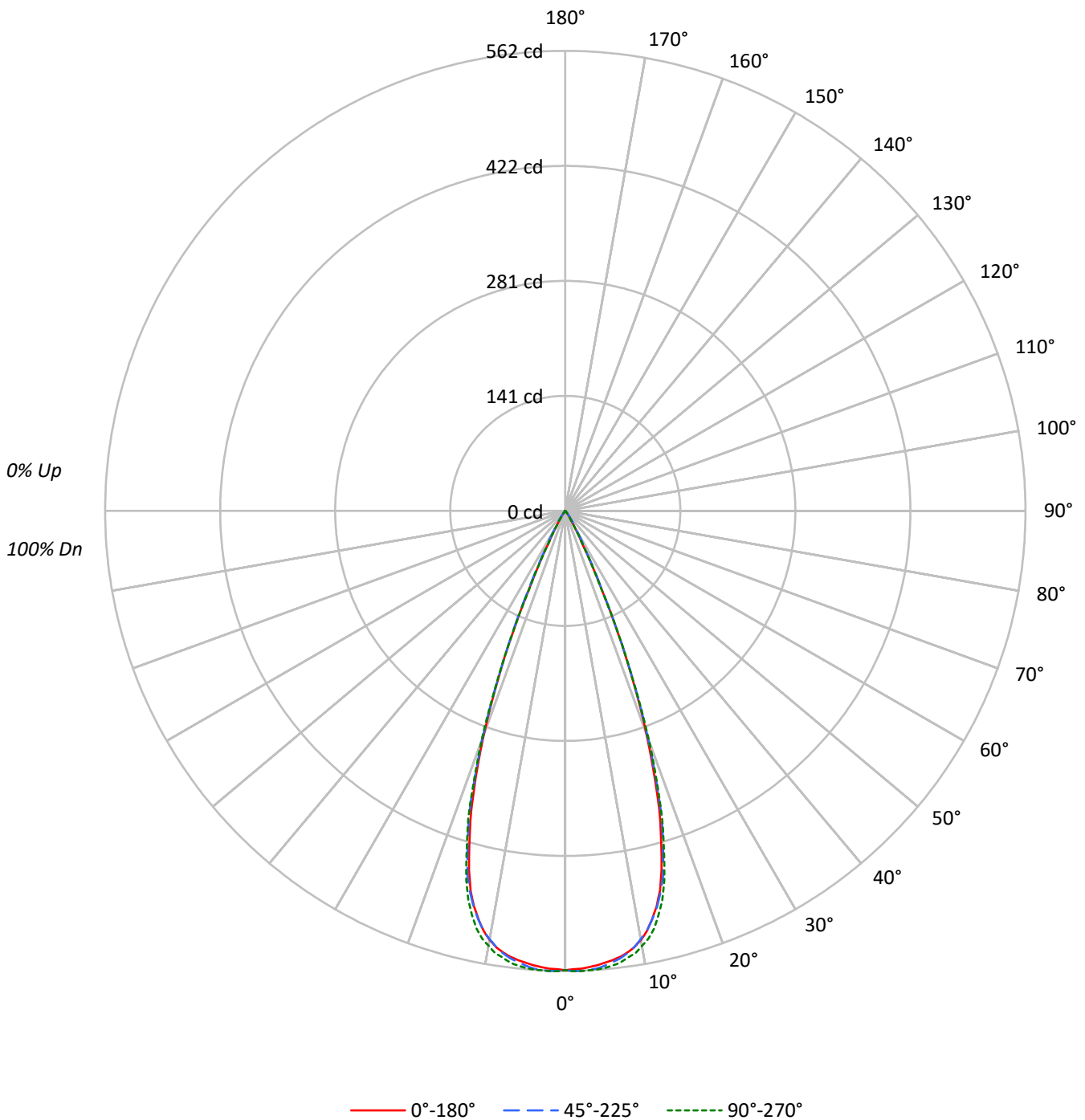
Test Method: LM-79-2019  
Report Number: P1317074  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R409827DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 236.0 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 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 (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

TEST NUMBER: P1317074  
CATALOG NUMBER: LDSQA3D02R409827DE010 3LSQCDR1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1317074  
 CATALOG NUMBER: LDSQA3D02R409827DE010 3LSQCDR1MB

**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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	70	69

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

	0°	45°	90°
0°	96651	96651	96651
5°	95810	96415	96882
10°	93088	92913	94365
15°	80983	82285	83301
20°	53150	54176	54891
25°	18946	20048	18851
30°	4136	5588	4156
35°	1325	2313	1282
40°	405	719	382
45°	49	244	49
50°	0	54	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 244 cd/sqm



TEST NUMBER: P1317074

CATALOG NUMBER: LDSQA3D02R409827DE010 3LSQCDR1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.5	22.2
10°-20°	122.2	51.8
20°-30°	54.8	23.2
30°-40°	5.9	2.5
40°-50°	0.6	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	229.5	97.3
0°-40°	235.5	99.8
0°-60°	236.0	100.0
0°-90°	236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	236.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	561	561	561	561	561	
5°	554	556	558	559	560	52
15°	454	458	462	464	467	121
25°	100	103	106	107	99	53
35°	6	7	11	7	6	5
45°	0	0	1	0	0	0
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: P1317074

CATALOG NUMBER: LDSQA3D02R409827DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	561.2	561.2	561.2	561.2	561.2
1°	560.1	561.2	562.2	561.4	562.5
2°	559.6	560.9	562.4	561.5	562.5
3°	558.2	559.9	561.5	561.0	562.0
4°	556.4	557.7	560.2	560.2	561.7
5°	554.2	555.7	557.7	558.6	560.4
6°	551.9	552.7	554.2	555.9	558.4
7°	548.9	548.9	550.7	552.4	555.7
8°	544.8	544.4	545.8	547.9	550.9
9°	539.6	538.4	539.4	542.6	547.1
10°	532.3	531.3	531.3	535.3	539.6
11°	522.8	522.5	522.7	526.5	532.3
12°	510.0	510.4	510.4	514.7	521.8
13°	495.6	495.4	496.9	501.7	506.5
14°	478.0	479.0	480.4	484.8	489.8
15°	454.2	457.5	461.5	464.2	467.2
17.5°	381.9	385.2	390.7	392.9	393.5
20°	290.0	294.8	295.6	300.0	299.5
22.5°	194.4	194.1	194.8	195.3	195.4
25°	99.7	102.7	105.5	107.4	99.2
27.5°	43.4	48.5	52.2	47.4	43.9
30°	20.8	23.6	28.1	23.8	20.9
32.5°	11.3	13.1	17.8	13.0	11.1
35°	6.3	7.3	11.0	7.1	6.1
37.5°	3.7	4.0	6.0	4.0	3.5
40°	1.8	2.3	3.2	2.3	1.7
42.5°	0.7	1.2	1.7	1.2	0.7
45°	0.2	0.3	1.0	0.3	0.2
47.5°	0.0	0.0	0.5	0.0	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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: P1317074  
CATALOG NUMBER: LDSQA3D02R409827DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)