

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: P1317111

Luminaire Tested: LDSQA3D02R609827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317111  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R609827DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

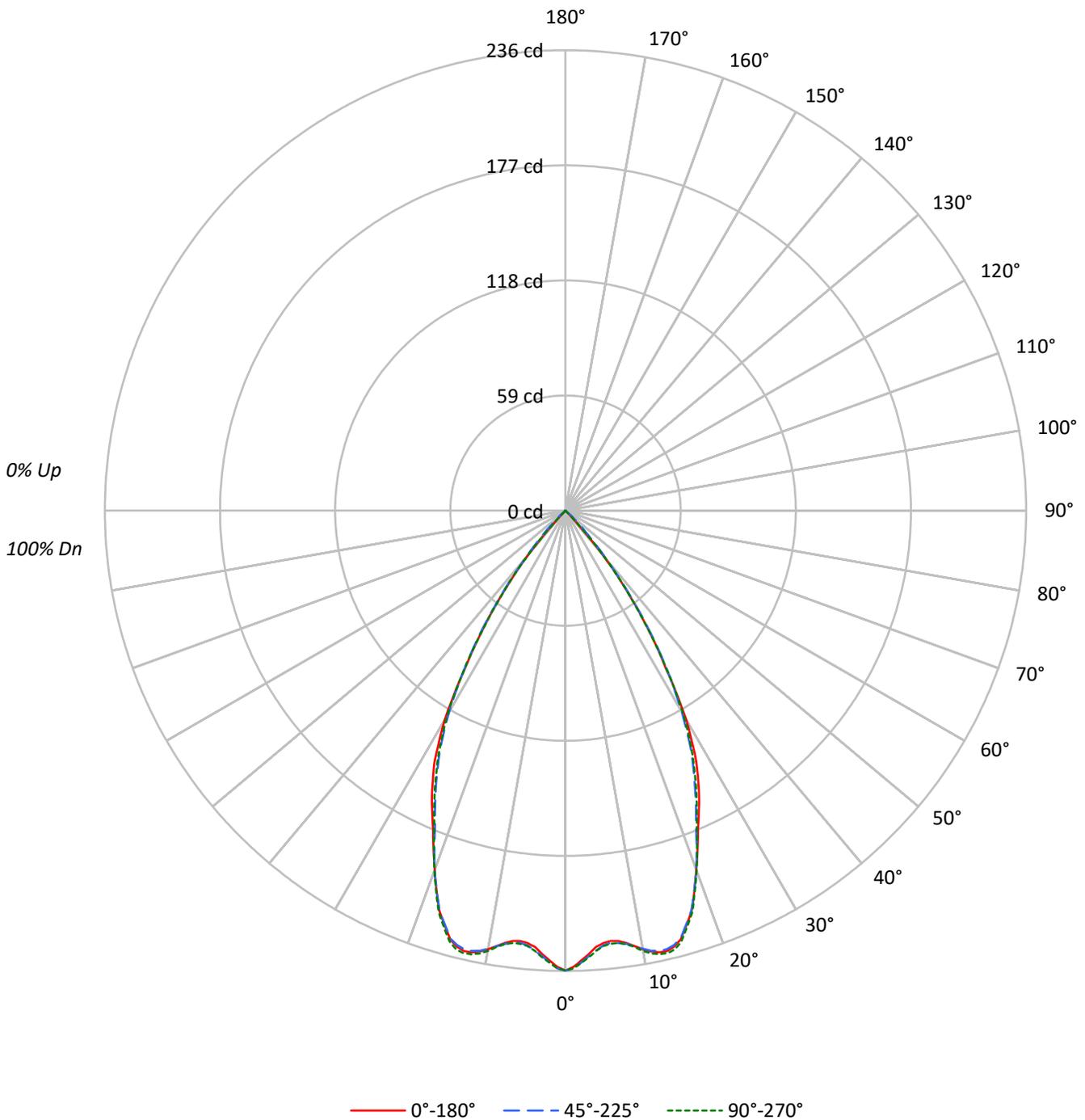
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 209.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
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	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	61	57	54	53

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

	0°	45°	90°
0°	40610	40610	40610
5°	38466	38673	38725
10°	39925	39873	40100
15°	40598	40527	40830
20°	35922	35922	35977
25°	30784	29872	30119
30°	24620	23725	24103
35°	15285	15600	15243
40°	6700	7374	6902
45°	73	2387	195
50°	0	268	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: 2387 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.5	10.3
10°-20°	62.4	29.9
20°-30°	72.5	34.7
30°-40°	45.6	21.8
40°-50°	6.9	3.3
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°	156.5	74.9
0°-40°	202.1	96.7
0°-60°	209.0	100.0
0°-90°	209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	209.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	236	236	236	236	236	
5°	222	223	224	224	224	21
15°	228	227	227	229	229	62
25°	162	160	157	158	158	74
35°	73	73	74	73	72	45
45°	0	3	10	4	1	4
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	235.8	235.8	235.8	235.8	235.8
1°	234.0	234.7	234.7	234.8	234.7
2°	230.8	231.8	231.8	232.3	232.0
3°	227.7	228.5	228.7	229.3	229.2
4°	224.2	225.5	226.0	226.3	226.2
5°	222.5	223.3	223.7	224.2	224.0
6°	221.8	222.5	222.8	223.3	223.3
7°	222.3	222.8	223.3	223.7	223.3
8°	223.8	224.3	224.3	225.0	224.5
9°	226.0	226.2	226.2	227.0	226.5
10°	228.3	228.0	228.0	229.2	229.3
11°	230.3	230.0	229.8	231.0	231.3
12°	231.5	230.8	230.8	232.3	232.5
13°	231.7	230.8	230.8	232.3	232.8
14°	230.3	229.3	229.5	231.2	231.7
15°	227.7	226.8	227.3	228.8	229.0
17.5°	215.0	214.5	214.8	215.8	216.0
20°	196.0	195.7	196.0	196.0	196.3
22.5°	177.2	176.3	174.7	175.7	175.8
25°	162.0	160.2	157.2	157.8	158.5
27.5°	145.3	143.0	139.8	140.7	140.8
30°	123.8	122.7	119.3	120.2	121.2
32.5°	95.7	98.8	96.8	96.7	96.8
35°	72.7	72.8	74.2	72.7	72.5
37.5°	50.8	51.0	52.0	50.3	50.5
40°	29.8	32.0	32.8	32.2	30.7
42.5°	9.3	16.5	18.7	16.2	10.3
45°	0.3	3.2	9.8	4.2	0.8
47.5°	0.0	0.2	4.7	0.3	0.0
50°	0.0	0.0	1.0	0.0	0.0
52.5°	0.0	0.0	0.2	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



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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)