

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: P1317112

Luminaire Tested: LDSQA3D02R609827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317112  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R609827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

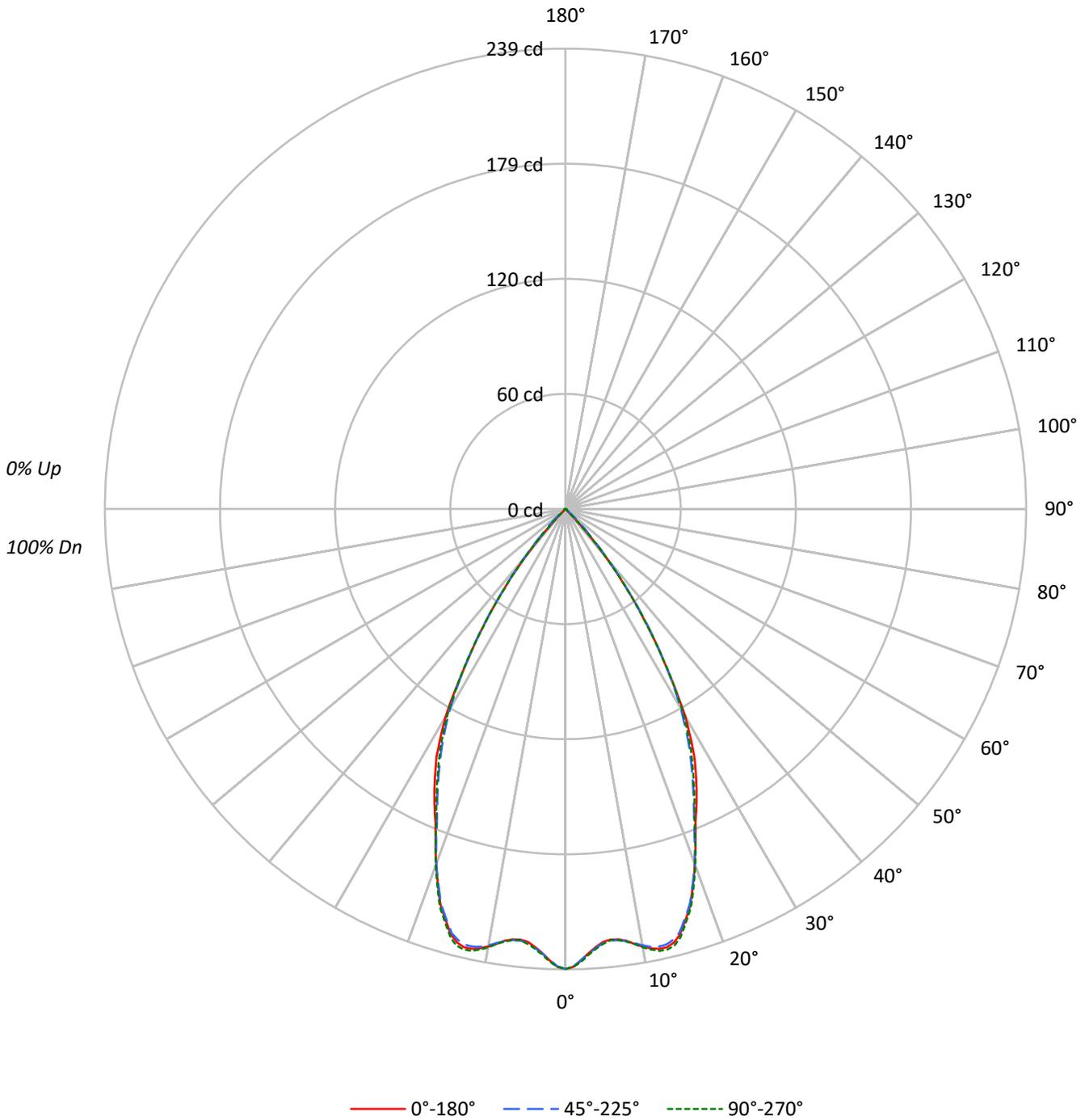
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 213.0 lumens  
Efficiency: N/A  
Efficacy: 59.2 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

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

	0°	45°	90°
0°	41127	41127	41127
5°	38985	39088	39157
10°	40327	40222	40415
15°	40830	40652	41062
20°	35940	35922	36105
25°	30594	29701	29948
30°	24699	23824	24222
35°	15621	15768	15600
40°	7307	7599	7419
45°	438	2679	536
50°	214	616	214
55°	240	240	240
60°	241	241	241
65°	204	285	204
70°	252	252	252
75°	200	200	200
80°	198	198	198
85°	395	395	395

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2679 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.8	10.2
10°-20°	62.7	29.4
20°-30°	72.3	33.9
30°-40°	46.4	21.8
40°-50°	8.1	3.8
50°-60°	0.7	0.4
60°-70°	0.6	0.3
70°-80°	0.3	0.2
80°-90°	0.1	0.1
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°	156.7	73.6
0°-40°	203.1	95.4
0°-60°	211.9	99.5
0°-90°	213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	239	239	239	239	239	
5°	226	226	226	227	226	22
15°	229	228	228	230	230	63
25°	161	159	156	156	158	73
35°	74	74	75	74	74	46
45°	2	6	11	6	2	6
55°	1	1	1	1	1	1
65°	0	1	1	1	0	1
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°	238.8	238.8	238.8	238.8	238.8
1°	237.8	237.6	237.5	237.6	237.8
2°	234.5	234.3	234.1	234.8	235.1
3°	230.8	231.0	231.1	231.5	231.6
4°	227.8	228.1	228.3	228.6	228.8
5°	225.5	226.0	226.1	226.6	226.5
6°	224.8	225.1	225.3	225.5	225.1
7°	225.1	225.3	225.5	225.8	225.5
8°	226.3	226.5	226.6	226.8	226.8
9°	228.6	228.3	228.1	228.8	228.6
10°	230.6	230.1	230.0	231.0	231.1
11°	232.3	231.6	231.5	232.6	233.0
12°	233.5	232.5	232.3	233.8	234.5
13°	233.5	232.1	232.1	233.8	234.8
14°	232.1	230.6	230.6	232.5	233.6
15°	229.0	228.1	228.0	229.5	230.3
17.5°	215.6	214.6	214.8	216.5	216.6
20°	196.1	195.6	196.0	196.3	197.0
22.5°	176.3	176.0	174.1	174.6	175.0
25°	161.0	159.1	156.3	156.5	157.6
27.5°	144.8	143.0	139.0	139.8	141.0
30°	124.2	122.7	119.8	120.3	121.8
32.5°	97.5	100.5	97.8	98.7	98.2
35°	74.3	73.8	75.0	73.5	74.2
37.5°	52.3	52.5	53.0	51.7	51.7
40°	32.5	33.3	33.8	33.2	33.0
42.5°	13.7	18.7	19.7	18.7	13.8
45°	1.8	5.5	11.0	6.5	2.2
47.5°	0.8	1.2	5.8	1.2	0.8
50°	0.8	0.8	2.3	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.5	0.7	0.7	0.7	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2
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)