

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: P1318681

Luminaire Tested: LDSQA3D20R409830D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318681  
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: LDSQA3D20R409830D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

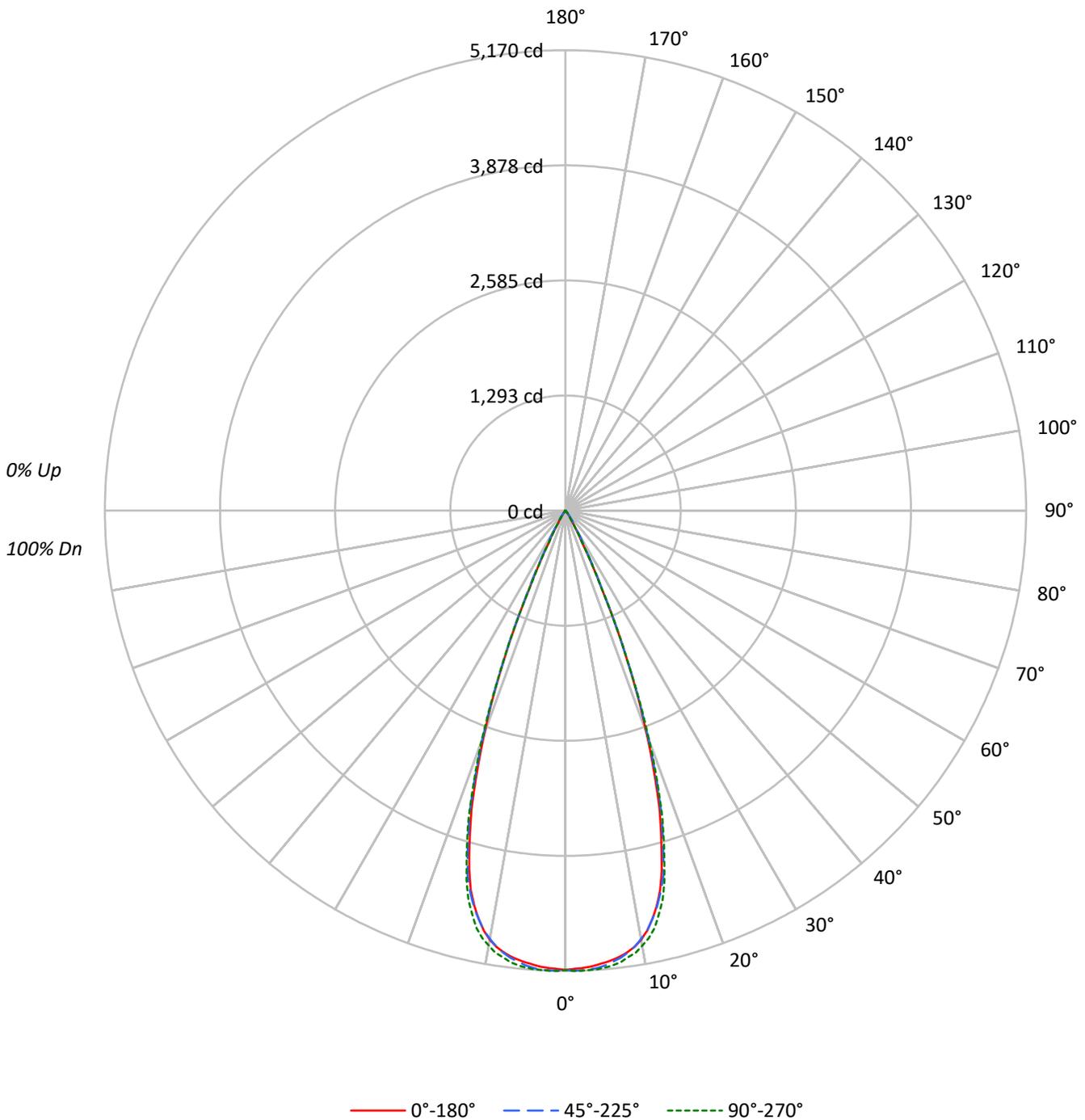
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2169.0 lumens  
Efficiency: N/A  
Efficacy: 79.2 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): 27.4  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	96	
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	92	
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	89	
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	85	
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	82	
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	79	
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	76	
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	73	
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	71	
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	69	

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

	0°	45°	90°
0°	888307	888307	888307
5°	880619	886168	890386
10°	855545	853936	867297
15°	744269	756251	765505
20°	488484	497996	504429
25°	174140	184307	173266
30°	37963	51327	38262
35°	12194	21193	11879
40°	3777	6520	3440
45°	365	2241	365
50°	0	402	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: 2241 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	482.3	22.2
10°-20°	1123.3	51.8
20°-30°	503.8	23.2
30°-40°	54.4	2.5
40°-50°	5.1	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°	2109.5	97.3
0°-40°	2163.9	99.8
0°-60°	2169.0	100.0
0°-90°	2169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2169.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5158	5158	5158	5158	5158	
5°	5094	5108	5126	5134	5150	481
15°	4174	4205	4242	4266	4293	1109
25°	916	944	970	987	912	489
35°	58	67	101	66	56	45
45°	2	3	9	3	2	3
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°	5157.9	5157.9	5157.9	5157.9	5157.9
1°	5147.2	5157.9	5167.1	5159.5	5170.2
2°	5142.7	5154.9	5168.6	5161.0	5170.2
3°	5130.4	5145.7	5161.0	5156.4	5165.6
4°	5113.6	5125.9	5148.8	5148.8	5162.5
5°	5093.8	5107.5	5125.9	5133.5	5150.3
6°	5072.4	5080.0	5093.8	5109.1	5132.0
7°	5044.9	5044.9	5061.7	5077.0	5107.5
8°	5006.7	5003.7	5015.9	5035.8	5063.2
9°	4959.4	4948.7	4957.9	4986.9	5028.1
10°	4892.2	4883.0	4883.0	4919.7	4959.4
11°	4805.1	4802.1	4803.6	4838.7	4892.2
12°	4687.5	4690.6	4690.6	4730.3	4796.0
13°	4554.6	4553.1	4566.8	4611.1	4655.4
14°	4392.7	4401.9	4415.6	4455.3	4501.2
15°	4174.3	4204.9	4241.5	4266.0	4293.4
17.5°	3509.9	3540.5	3590.9	3610.7	3616.8
20°	2665.3	2709.6	2717.2	2756.9	2752.3
22.5°	1787.0	1784.0	1790.1	1794.7	1796.2
25°	916.4	943.9	969.9	986.7	911.8
27.5°	398.6	446.0	479.6	435.3	403.2
30°	190.9	216.9	258.1	218.4	192.4
32.5°	103.9	120.7	163.4	119.1	102.3
35°	58.0	67.2	100.8	65.7	56.5
37.5°	33.6	36.7	55.0	36.7	32.1
40°	16.8	21.4	29.0	21.4	15.3
42.5°	6.1	10.7	15.3	10.7	6.1
45°	1.5	3.1	9.2	3.1	1.5
47.5°	0.0	0.0	4.6	0.0	0.0
50°	0.0	0.0	1.5	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



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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)