

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: P1317084

Luminaire Tested: LDSQA3D02R459827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317084  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R459827DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

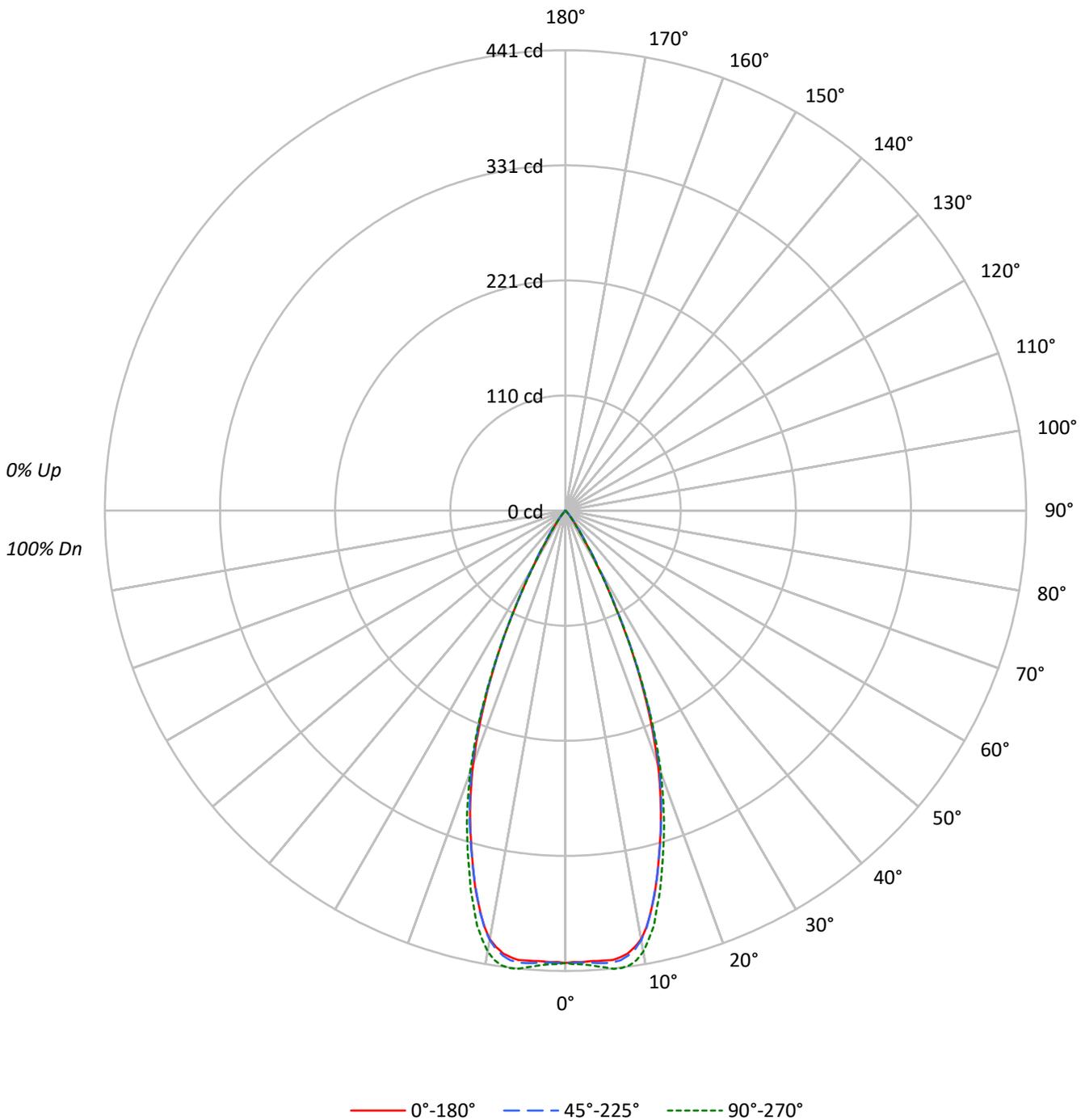
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 224.0 lumens  
Efficiency: N/A  
Efficacy: 62.2 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
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

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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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

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

	0°	45°	90°
0°	74624	74624	74624
5°	74788	75220	75964
10°	72907	73065	74988
15°	61513	61548	63563
20°	47487	48165	48953
25°	29454	29492	29682
30°	12151	12906	11952
35°	3784	4625	3637
40°	1169	1619	1079
45°	73	609	73
50°	0	80	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: 609 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.2	18.4
10°-20°	95.9	42.8
20°-30°	70.3	31.4
30°-40°	15.1	6.7
40°-50°	1.4	0.6
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°	207.4	92.6
0°-40°	222.6	99.4
0°-60°	224.0	100.0
0°-90°	224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	224.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	433	433	433	433	433	
5°	433	434	435	438	439	41
15°	345	344	345	351	356	95
25°	155	154	155	155	156	70
35°	18	19	22	19	17	14
45°	0	1	2	1	0	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	433.3	433.3	433.3	433.3	433.3
1°	432.4	433.4	433.4	434.1	434.4
2°	432.8	433.4	433.3	434.4	434.9
3°	432.3	433.4	433.8	435.1	435.9
4°	432.4	433.4	434.4	436.4	437.6
5°	432.6	433.8	435.1	438.1	439.4
6°	432.8	433.6	435.1	438.9	441.4
7°	431.1	432.3	433.9	438.7	441.4
8°	428.4	429.1	430.4	436.8	439.9
9°	423.4	423.3	425.3	432.3	435.9
10°	416.9	414.9	417.8	424.8	428.8
11°	406.4	404.3	406.8	414.3	418.1
12°	392.8	392.8	393.3	400.0	406.6
13°	378.3	376.6	377.6	385.1	389.8
14°	362.3	360.7	361.7	367.3	374.6
15°	345.0	344.3	345.2	350.7	356.5
17.5°	303.9	302.4	305.4	310.9	313.9
20°	259.1	261.6	262.8	266.2	267.1
22.5°	207.6	210.3	212.0	212.5	213.0
25°	155.0	154.5	155.2	155.2	156.2
27.5°	101.9	101.9	103.7	102.6	101.4
30°	61.1	63.6	64.9	62.8	60.1
32.5°	33.3	35.8	38.0	34.8	32.5
35°	18.0	19.3	22.0	18.8	17.3
37.5°	9.8	11.0	12.7	10.7	9.8
40°	5.2	6.3	7.2	6.3	4.8
42.5°	1.7	3.2	4.2	3.2	1.5
45°	0.3	1.0	2.5	1.0	0.3
47.5°	0.0	0.2	1.2	0.2	0.0
50°	0.0	0.0	0.3	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)