

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: P1317960

Luminaire Tested: LDSQA3D02R459830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317960  
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: LDSQA3D02R459830DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

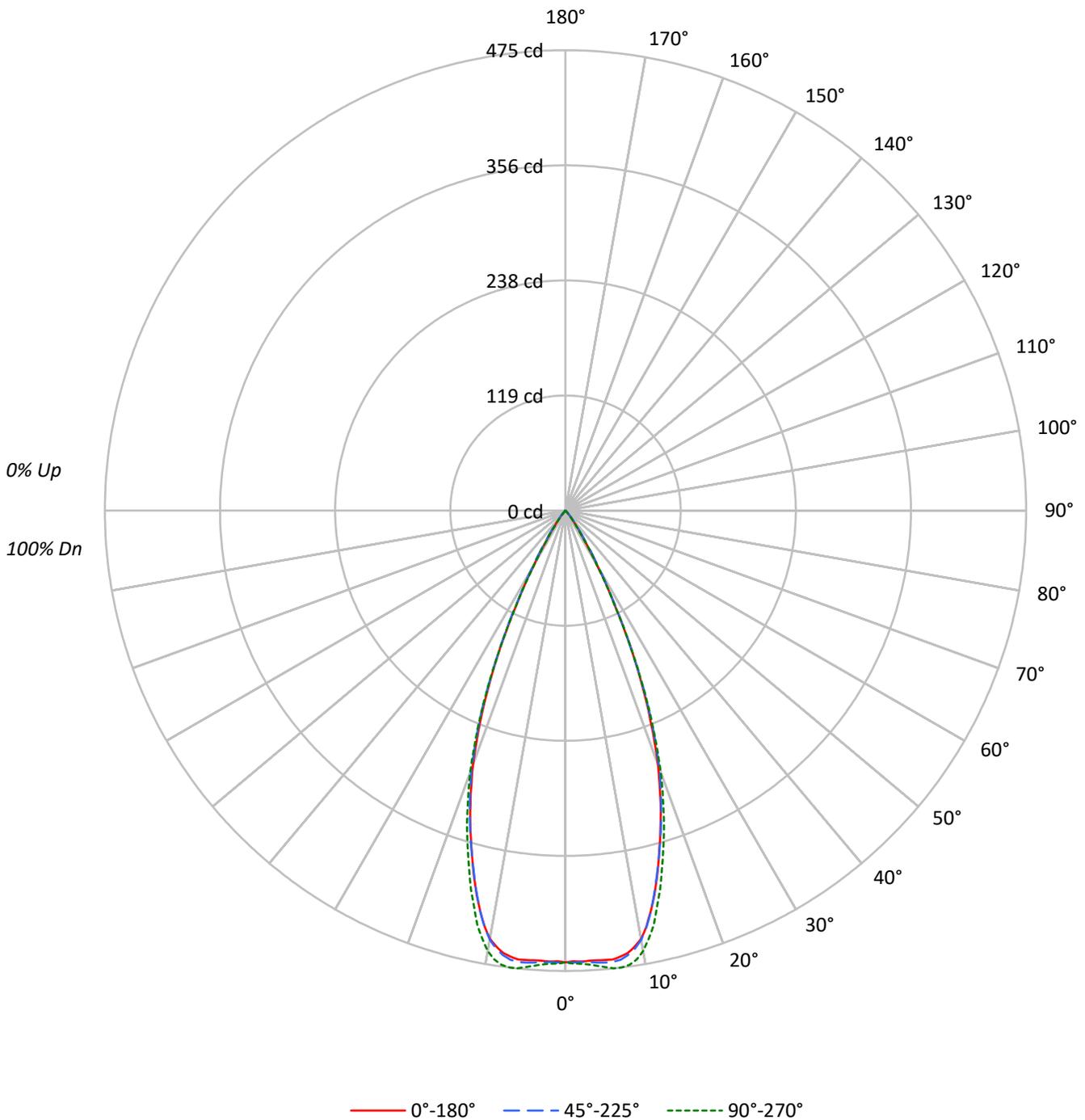
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 241.0 lumens  
Efficiency: N/A  
Efficacy: 66.9 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°	80273	80273	80273
5°	80459	80925	81738
10°	78451	78608	80672
15°	66184	66220	68395
20°	51097	51812	52655
25°	31696	31734	31924
30°	13065	13901	12867
35°	4058	4962	3911
40°	1259	1731	1169
45°	97	658	97
50°	0	107	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: 658 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.4	18.4
10°-20°	103.2	42.8
20°-30°	75.7	31.4
30°-40°	16.3	6.7
40°-50°	1.6	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°	223.2	92.6
0°-40°	239.4	99.3
0°-60°	241.0	100.0
0°-90°	241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	466	466	466	466	466	
5°	465	467	468	471	473	44
15°	371	370	371	377	384	102
25°	167	166	167	167	168	75
35°	19	21	24	20	19	15
45°	0	1	3	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°	466.1	466.1	466.1	466.1	466.1
1°	465.2	466.3	466.3	467.0	467.4
2°	465.6	466.3	466.1	467.4	467.9
3°	465.1	466.3	466.7	468.1	469.0
4°	465.2	466.3	467.4	469.5	470.8
5°	465.4	466.7	468.1	471.3	472.8
6°	465.6	466.5	468.1	472.2	474.9
7°	463.8	465.1	466.9	472.0	474.9
8°	460.9	461.7	463.1	469.9	473.3
9°	455.6	455.4	457.5	465.1	469.0
10°	448.6	446.4	449.5	457.0	461.3
11°	437.3	435.0	437.7	445.7	449.8
12°	422.6	422.6	423.1	430.3	437.5
13°	407.0	405.2	406.3	414.4	419.4
14°	389.8	388.0	389.1	395.2	403.1
15°	371.2	370.5	371.4	377.3	383.6
17.5°	326.9	325.3	328.6	334.5	337.7
20°	278.8	281.4	282.7	286.5	287.3
22.5°	223.4	226.3	228.1	228.6	229.1
25°	166.8	166.2	167.0	167.0	168.0
27.5°	109.6	109.6	111.6	110.4	109.1
30°	65.7	68.4	69.9	67.5	64.7
32.5°	35.8	38.5	40.8	37.4	34.9
35°	19.3	20.8	23.6	20.2	18.6
37.5°	10.6	11.8	13.6	11.5	10.6
40°	5.6	6.8	7.7	6.8	5.2
42.5°	1.8	3.4	4.5	3.4	1.6
45°	0.4	1.1	2.7	1.1	0.4
47.5°	0.0	0.2	1.3	0.2	0.0
50°	0.0	0.0	0.4	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)