

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: P1317970

Luminaire Tested: LDSQA3D02R509830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509830DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

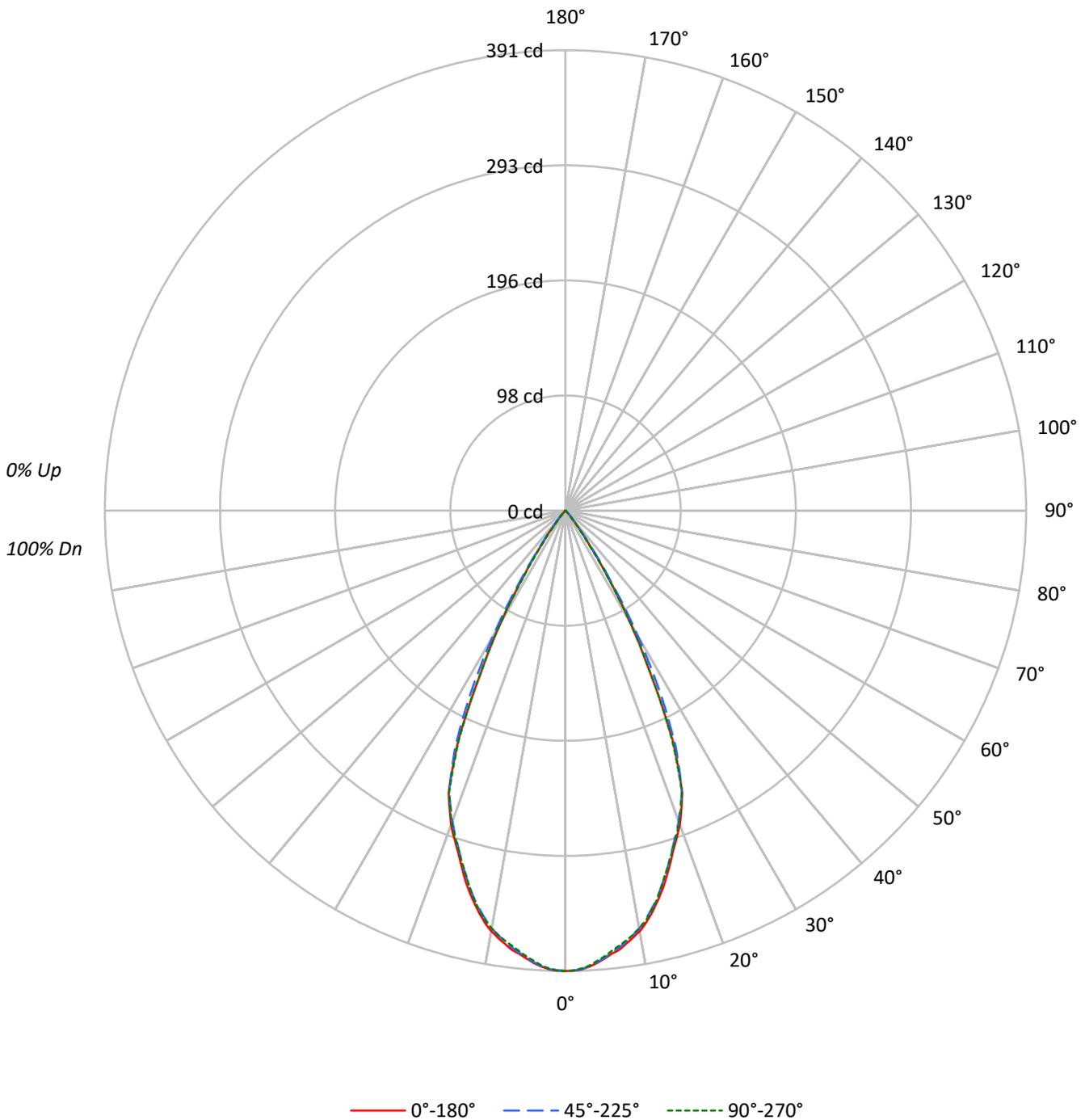
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 252.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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_{in}): 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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	86	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	67339	67339	67339
5°	66023	65902	65712
10°	63446	63009	63027
15°	58232	57697	57626
20°	52032	51464	51739
25°	40894	42091	40552
30°	21875	24500	21955
35°	7148	8347	6728
40°	1776	2203	1686
45°	219	779	219
50°	134	241	134
55°	150	150	150
60°	138	138	138
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 779 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	14.2
10°-20°	90.4	35.9
20°-30°	95.1	37.7
30°-40°	27.4	10.9
40°-50°	2.2	0.9
50°-60°	0.5	0.2
60°-70°	0.4	0.1
70°-80°	0.2	0.1
80°-90°	0.1	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°	221.3	87.8
0°-40°	248.7	98.7
0°-60°	251.4	99.7
0°-90°	252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	252.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	391	391	391	391	391	
5°	382	382	381	382	380	36
15°	327	324	324	324	323	91
25°	215	221	222	219	213	93
35°	34	35	40	34	32	26
45°	1	2	3	2	1	2
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°	391.0	391.0	391.0	391.0	391.0
1°	390.9	391.2	390.5	391.8	390.7
2°	390.0	390.1	389.8	390.7	389.2
3°	387.8	388.2	387.5	388.2	386.9
4°	385.3	385.3	384.6	385.1	383.5
5°	381.9	381.7	381.2	381.6	380.1
6°	378.3	378.2	377.3	377.3	376.2
7°	375.7	374.4	373.7	373.5	372.4
8°	371.4	371.0	369.6	369.6	368.9
9°	367.1	366.7	365.1	365.5	364.9
10°	362.8	361.5	360.3	360.4	360.4
11°	357.0	356.0	354.2	354.9	355.3
12°	350.2	349.0	347.4	348.8	348.6
13°	342.7	341.7	340.4	341.5	341.1
14°	334.9	333.3	332.2	332.9	332.5
15°	326.6	324.5	323.6	323.6	323.2
17.5°	303.6	302.3	301.4	300.9	302.1
20°	283.9	282.8	280.8	281.4	282.3
22.5°	259.2	259.0	257.9	257.1	258.1
25°	215.2	220.6	221.5	219.0	213.4
27.5°	156.3	168.9	173.3	167.4	157.2
30°	110.0	115.9	123.2	111.6	110.4
32.5°	66.4	68.0	74.8	66.7	64.9
35°	34.0	35.2	39.7	34.0	32.0
37.5°	15.9	16.6	18.4	15.9	14.8
40°	7.9	8.8	9.8	8.2	7.5
42.5°	3.4	4.5	5.7	4.3	3.0
45°	0.9	1.8	3.2	1.8	0.9
47.5°	0.5	0.7	1.8	0.7	0.5
50°	0.5	0.5	0.9	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.4	0.5	0.4	0.5	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.0	0.2	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)