

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: P1323518

Luminaire Tested: LDSQA3D02R509030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323518
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: LDSQA3D02R509030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

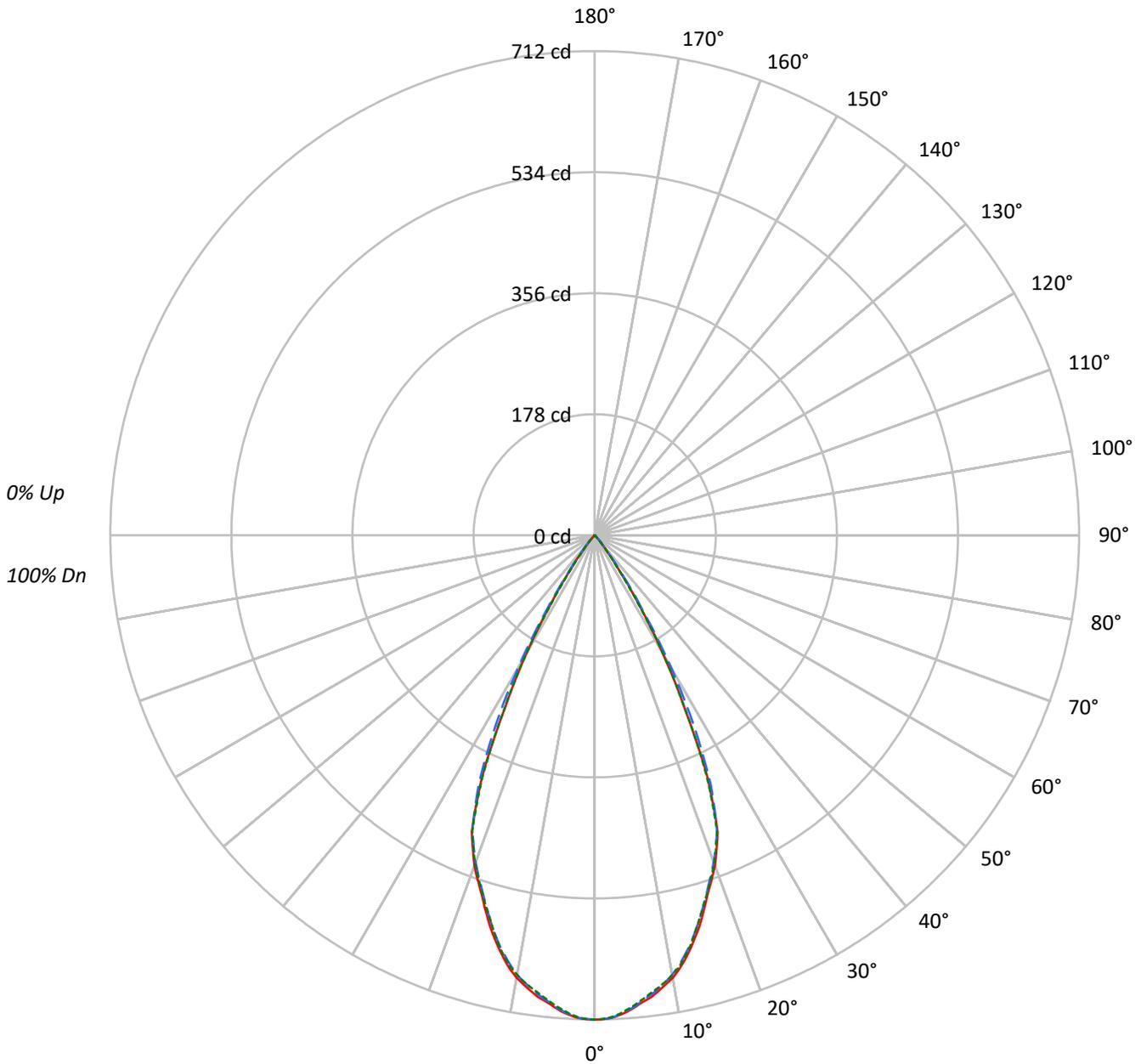
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 459.0 lumens
Efficiency: N/A
Efficacy: 63.8 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): 7.2
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - · - · 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	87	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°	122657	122657	122657
5°	120256	120031	119702
10°	115560	114756	114808
15°	106069	105089	104982
20°	94772	93745	94222
25°	74490	76657	73863
30°	39853	44645	39972
35°	13014	15201	12257
40°	3215	4024	3080
45°	390	1437	390
50°	268	429	268
55°	300	300	300
60°	241	241	241
65°	285	285	285
70°	151	151	151
75°	200	200	200
80°	298	298	298
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1437 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	14.2
10°-20°	164.7	35.9
20°-30°	173.2	37.7
30°-40°	49.9	10.9
40°-50°	4.1	0.9
50°-60°	0.9	0.2
60°-70°	0.7	0.1
70°-80°	0.3	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°	403.1	87.8
0°-40°	453.0	98.7
0°-60°	458.0	99.8
0°-90°	459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	712	712	712	712	712	
5°	696	695	694	695	692	65
15°	595	591	589	589	589	166
25°	392	402	403	399	389	170
35°	62	64	72	62	58	48
45°	2	3	6	3	2	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	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°	712.2	712.2	712.2	712.2	712.2
1°	711.9	712.6	711.3	713.5	711.6
2°	710.3	710.6	710.0	711.6	709.0
3°	706.4	707.0	705.7	707.0	704.7
4°	701.8	701.8	700.5	701.5	698.6
5°	695.6	695.3	694.3	695.0	692.4
6°	689.1	688.8	687.2	687.2	685.2
7°	684.2	681.9	680.6	680.3	678.4
8°	676.4	675.8	673.1	673.1	671.8
9°	668.6	667.9	665.0	665.6	664.7
10°	660.8	658.5	656.2	656.5	656.5
11°	650.3	648.4	645.1	646.4	647.1
12°	638.0	635.7	632.7	635.3	635.0
13°	624.3	622.3	620.0	622.0	621.3
14°	609.9	607.0	605.0	606.4	605.7
15°	594.9	591.0	589.4	589.4	588.8
17.5°	552.9	550.6	549.0	548.0	550.3
20°	517.1	515.1	511.5	512.5	514.1
22.5°	472.1	471.8	469.8	468.2	470.2
25°	392.0	401.7	403.4	398.8	388.7
27.5°	284.8	307.6	315.7	305.0	286.4
30°	200.4	211.1	224.5	203.3	201.0
32.5°	120.9	123.8	136.2	121.5	118.3
35°	61.9	64.2	72.3	61.9	58.3
37.5°	29.0	30.3	33.6	29.0	27.0
40°	14.3	16.0	17.9	15.0	13.7
42.5°	6.2	8.1	10.4	7.8	5.5
45°	1.6	3.3	5.9	3.3	1.6
47.5°	1.0	1.3	3.3	1.3	1.0
50°	1.0	1.0	1.6	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	0.7	1.0	0.7	1.0	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.3	0.3	0.3	0.3	0.3
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°	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.3	0.0	0.3	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)