

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: P1315178

Luminaire Tested: LDSQA3D02R509735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509735DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

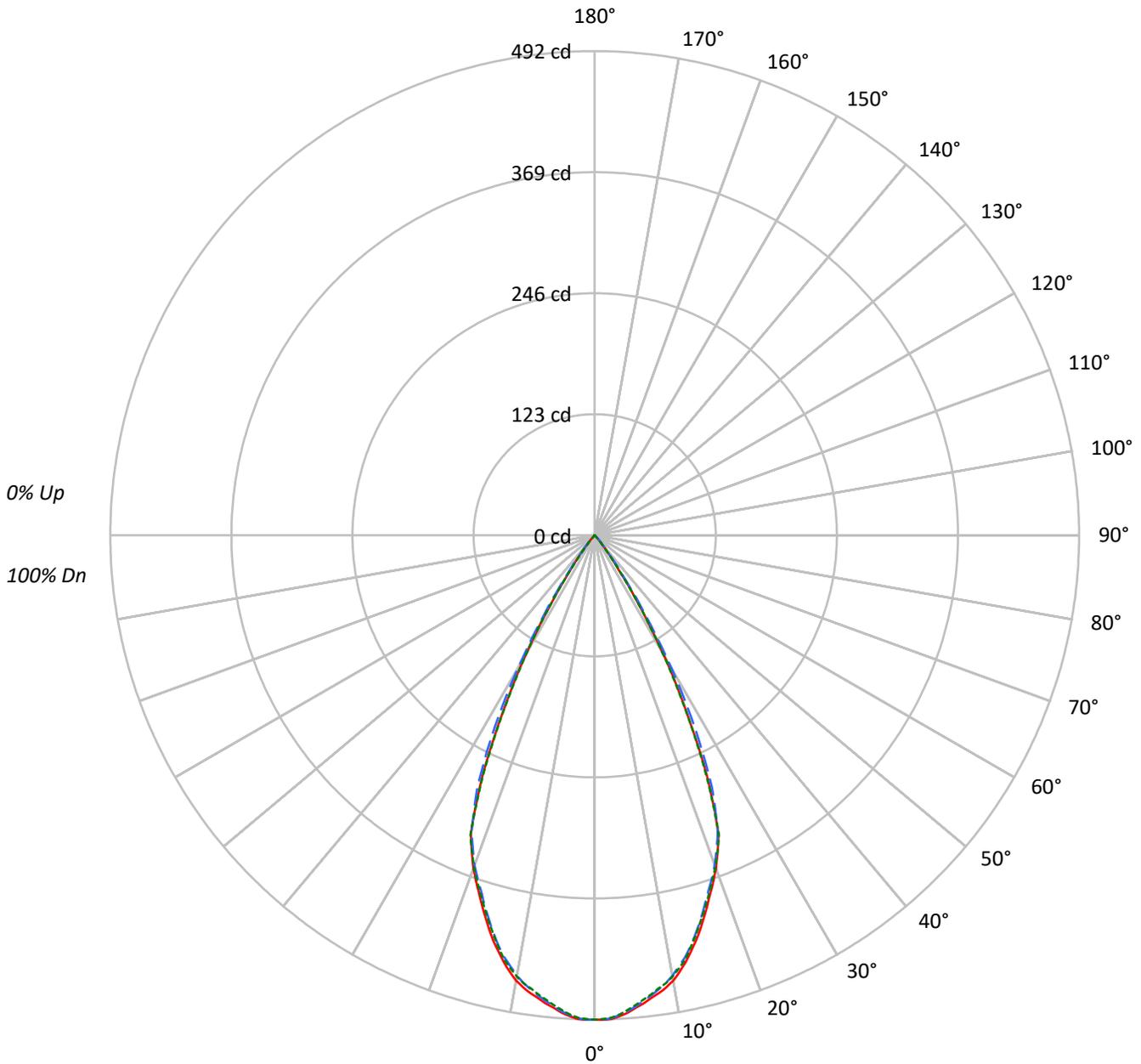
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 317.0 lumens
Efficiency: N/A
Efficacy: 88.1 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 (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

TEST NUMBER: P1315178
CATALOG NUMBER: LDSQA3D02R509735DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



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



TEST NUMBER: P1315178

CATALOG NUMBER: LDSQA3D02R509735DE010 3LSQCDR1MB

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	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	84785	84785	84785
5°	83294	83069	82827
10°	80340	79465	79623
15°	73905	72977	73173
20°	65998	65374	65741
25°	51364	53512	50794
30°	27821	31063	27324
35°	8767	10449	8578
40°	1933	2698	1844
45°	49	828	49
50°	0	134	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: 828 cd/sqm



TEST NUMBER: P1315178

CATALOG NUMBER: LDSQA3D02R509735DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	14.2
10°-20°	114.6	36.1
20°-30°	120.7	38.1
30°-40°	34.5	10.9
40°-50°	2.1	0.7
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°	280.4	88.4
0°-40°	314.9	99.3
0°-60°	317.0	100.0
0°-90°	317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	492	492	492	492	492	
5°	482	481	480	480	479	45
15°	414	412	409	410	410	115
25°	270	280	282	278	267	118
35°	42	45	50	42	41	33
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



TEST NUMBER: P1315178

CATALOG NUMBER: LDSQA3D02R509735DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	492.3	492.3	492.3	492.3	492.3
1°	492.5	492.7	492.3	492.7	491.6
2°	491.8	491.4	490.9	491.1	490.5
3°	489.3	489.1	488.2	488.4	487.5
4°	486.2	485.5	484.8	484.3	483.4
5°	481.8	481.4	480.5	480.0	479.1
6°	478.2	477.3	475.7	475.3	474.4
7°	473.5	473.0	471.0	470.5	470.1
8°	469.8	468.5	466.0	466.2	465.1
9°	465.1	463.2	460.8	460.8	461.0
10°	459.4	456.7	454.4	455.1	455.3
11°	451.9	450.1	446.7	448.3	448.3
12°	443.7	441.5	439.0	440.3	441.3
13°	434.2	432.4	430.1	431.5	431.1
14°	424.9	421.5	419.9	421.8	421.1
15°	414.5	411.8	409.3	410.0	410.4
17.5°	386.6	383.7	381.8	382.1	384.1
20°	360.1	358.9	356.7	357.6	358.7
22.5°	328.8	329.2	326.5	327.2	329.9
25°	270.3	280.3	281.6	278.4	267.3
27.5°	200.2	215.2	219.7	212.5	198.9
30°	139.9	144.0	156.2	142.4	137.4
32.5°	82.1	88.2	94.8	85.3	81.9
35°	41.7	44.7	49.7	42.2	40.8
37.5°	19.3	20.6	22.7	19.3	18.1
40°	8.6	10.2	12.0	9.8	8.2
42.5°	2.7	4.8	6.3	4.3	2.5
45°	0.2	1.1	3.4	1.1	0.2
47.5°	0.0	0.2	1.4	0.2	0.0
50°	0.0	0.0	0.5	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



TEST NUMBER: P1315178
CATALOG NUMBER: LDSQA3D02R509735DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)