

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: P1312122

Luminaire Tested: LDSQA3D02R409050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

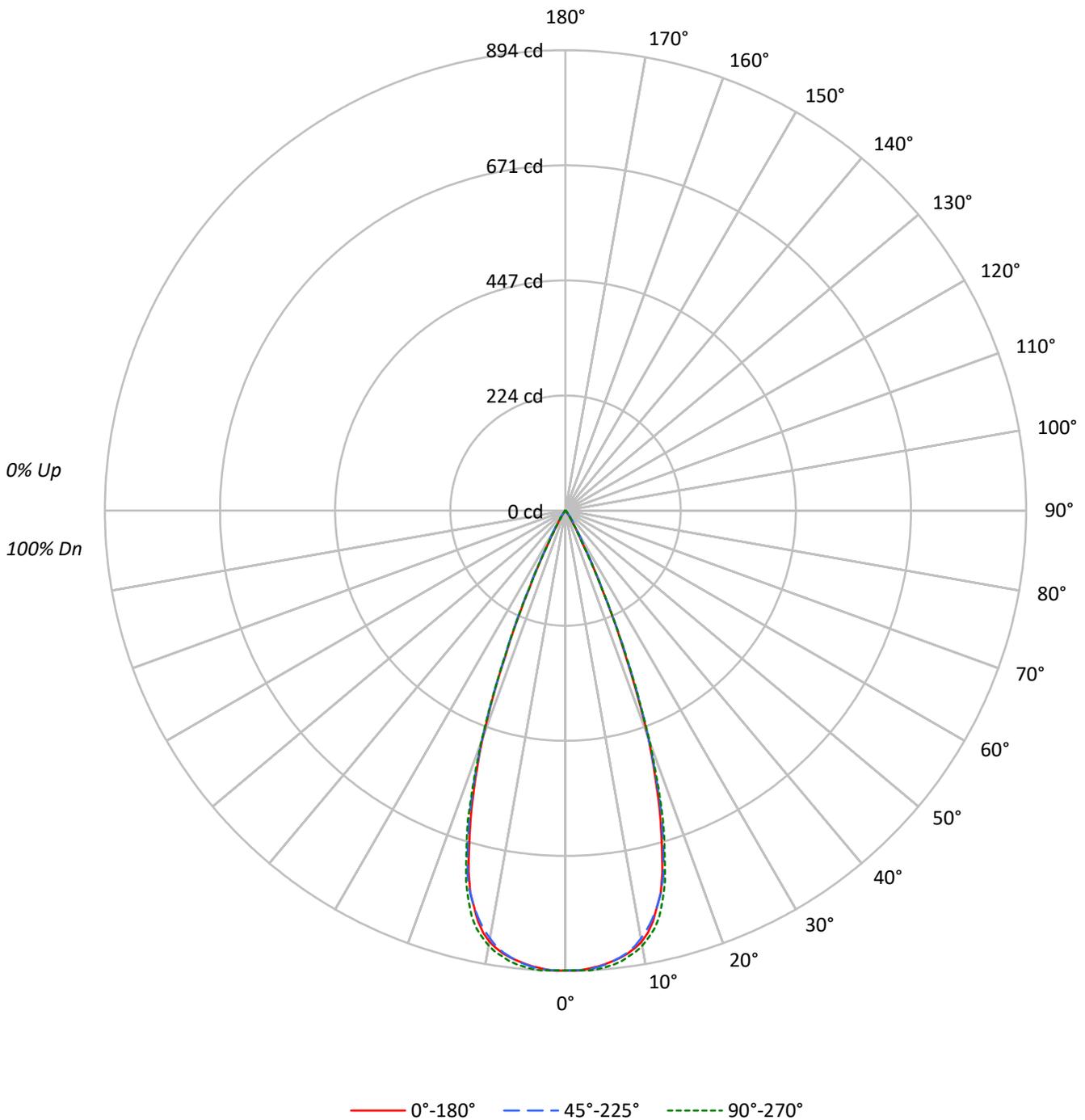
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 378.0 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
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

TEST NUMBER: P1312122
CATALOG NUMBER: LDSQA3D02R409050DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1312122

CATALOG NUMBER: LDSQA3D02R409050DE010 3LSQCDR1MW

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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	153812	153812	153812
5°	152792	153034	153846
10°	148665	147546	150012
15°	129533	130853	132885
20°	86286	86708	87551
25°	31373	32324	31525
30°	6662	8929	6662
35°	2355	3974	2229
40°	832	1259	832
45°	195	511	195
50°	134	214	134
55°	150	150	150
60°	172	172	172
65°	122	204	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 511 cd/sqm



TEST NUMBER: P1312122

CATALOG NUMBER: LDSQA3D02R409050DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	22.1
10°-20°	194.5	51.5
20°-30°	87.5	23.2
30°-40°	10.0	2.6
40°-50°	1.4	0.4
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.3	0.1
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°	365.5	96.7
0°-40°	375.4	99.3
0°-60°	377.3	99.8
0°-90°	378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	378.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	893	893	893	893	893	
5°	884	883	885	889	890	83
15°	726	728	734	740	745	193
25°	165	166	170	170	166	85
35°	11	12	19	12	11	8
45°	1	1	2	1	1	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: P1312122

CATALOG NUMBER: LDSQA3D02R409050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	893.1	893.1	893.1	893.1	893.1
1°	893.7	892.9	892.6	894.2	892.9
2°	892.9	892.3	892.6	894.2	893.1
3°	890.5	890.7	891.5	894.5	894.2
4°	887.6	887.3	888.9	892.6	892.6
5°	883.8	882.8	885.2	889.1	889.9
6°	879.6	878.3	880.1	885.2	887.0
7°	874.8	872.1	873.7	879.8	882.2
8°	868.4	865.0	866.8	872.9	874.8
9°	860.4	855.1	856.7	864.2	867.9
10°	850.1	843.4	843.7	851.9	857.8
11°	835.5	828.0	828.3	838.6	844.8
12°	816.0	809.4	810.7	820.3	830.1
13°	789.7	787.9	789.5	799.8	808.9
14°	764.2	762.4	765.3	774.8	779.1
15°	726.5	728.3	733.9	739.8	745.3
17.5°	606.9	614.0	620.7	624.7	629.4
20°	470.8	462.5	473.1	468.4	477.7
22.5°	303.8	309.9	312.6	309.9	311.0
25°	165.1	166.1	170.1	170.1	165.9
27.5°	70.2	75.8	80.8	78.9	70.2
30°	33.5	38.5	44.9	38.8	33.5
32.5°	18.9	22.3	29.0	21.8	18.3
35°	11.2	12.5	18.9	12.0	10.6
37.5°	6.6	6.9	10.4	7.2	6.4
40°	3.7	4.5	5.6	4.5	3.7
42.5°	1.9	2.7	3.5	2.7	1.9
45°	0.8	1.3	2.1	1.3	0.8
47.5°	0.8	0.8	1.3	0.8	0.8
50°	0.5	0.5	0.8	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°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.3	0.5	0.5	0.5	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
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°	0.0	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: P1312122
CATALOG NUMBER: LDSQA3D02R409050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)