

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: P1319722

Luminaire Tested: LDSQA3D02R509840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319722
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: LDSQA3D02R509840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

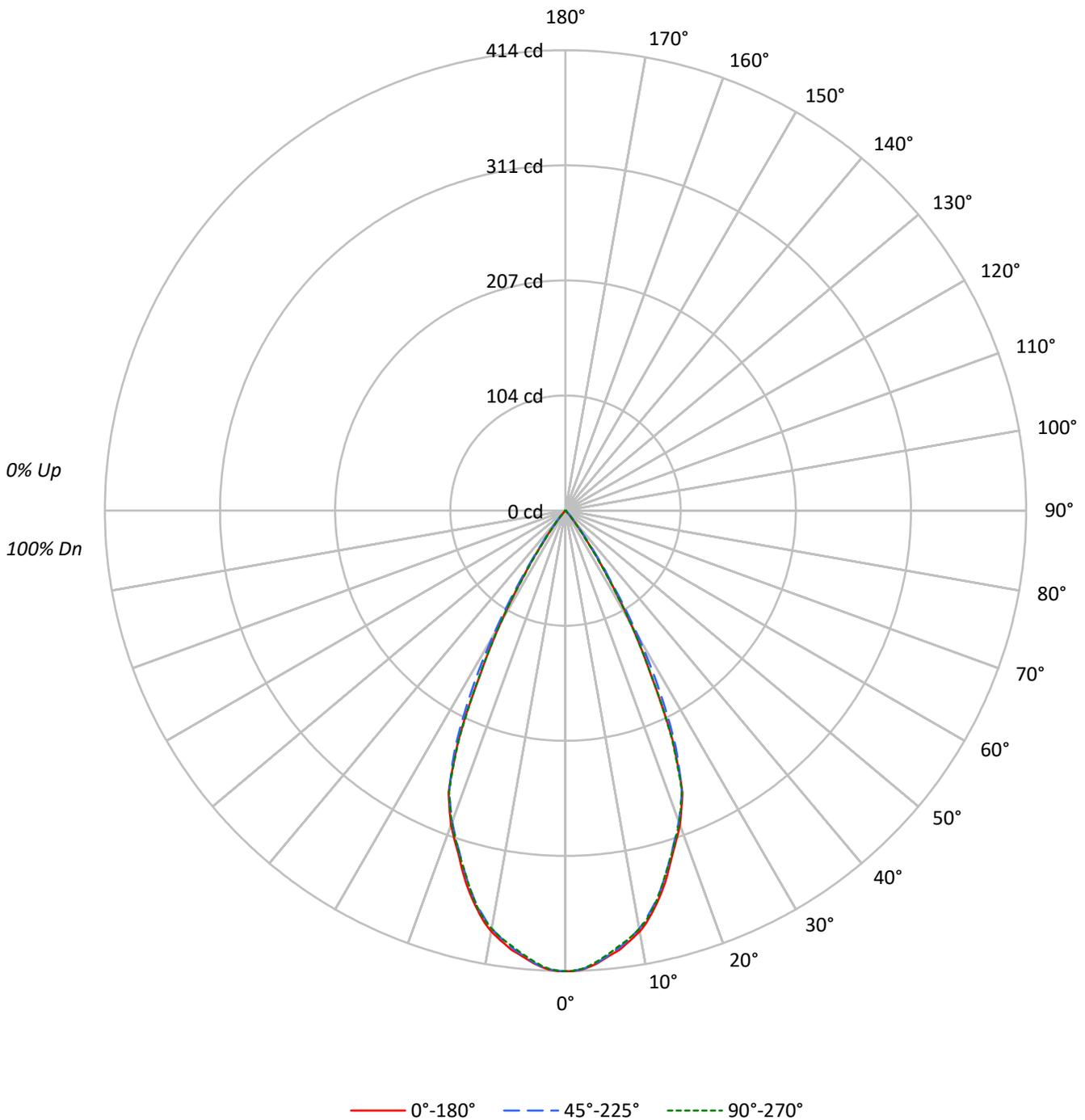
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 267.1 lumens
Efficiency: N/A
Efficacy: 74.2 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

TEST NUMBER: P1319722
CATALOG NUMBER: LDSQA3D02R509840DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1319722

CATALOG NUMBER: LDSQA3D02R509840DE010 3LSQCDR1MW

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	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°	71352	71352	71352
5°	69947	69826	69619
10°	67224	66751	66786
15°	61709	61138	61067
20°	55129	54543	54818
25°	43326	44580	42965
30°	23188	25972	23247
35°	7569	8851	7127
40°	1866	2338	1799
45°	219	828	219
50°	161	241	161
55°	180	180	180
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: 828 cd/sqm



TEST NUMBER: P1319722

CATALOG NUMBER: LDSQA3D02R509840DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	14.2
10°-20°	95.8	35.9
20°-30°	100.8	37.7
30°-40°	29.0	10.9
40°-50°	2.4	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°	234.5	87.8
0°-40°	263.5	98.7
0°-60°	266.4	99.8
0°-90°	267.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	267.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	414	414	414	414	414	
5°	405	404	404	404	403	38
15°	346	344	343	343	342	96
25°	228	234	235	232	226	99
35°	36	37	42	36	34	28
45°	1	2	3	2	1	2
55°	1	1	1	1	1	1
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: P1319722

CATALOG NUMBER: LDSQA3D02R509840DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	414.3	414.3	414.3	414.3	414.3
1°	414.1	414.5	413.7	415.1	413.9
2°	413.2	413.4	413.0	413.9	412.4
3°	410.9	411.3	410.5	411.3	410.0
4°	408.2	408.2	407.5	408.1	406.4
5°	404.6	404.5	403.9	404.3	402.7
6°	400.9	400.7	399.7	399.7	398.6
7°	398.0	396.7	395.9	395.7	394.6
8°	393.5	393.1	391.6	391.6	390.8
9°	388.9	388.5	386.8	387.2	386.6
10°	384.4	383.0	381.7	381.9	381.9
11°	378.3	377.2	375.3	376.0	376.4
12°	371.1	369.8	368.1	369.6	369.4
13°	363.1	362.0	360.7	361.8	361.4
14°	354.8	353.1	352.0	352.7	352.3
15°	346.1	343.8	342.9	342.9	342.5
17.5°	321.6	320.3	319.4	318.8	320.1
20°	300.8	299.6	297.6	298.1	299.1
22.5°	274.6	274.4	273.3	272.4	273.5
25°	228.0	233.7	234.6	232.0	226.1
27.5°	165.6	178.9	183.7	177.4	166.6
30°	116.6	122.8	130.6	118.3	116.9
32.5°	70.3	72.0	79.2	70.7	68.8
35°	36.0	37.3	42.1	36.0	33.9
37.5°	16.9	17.6	19.5	16.9	15.7
40°	8.3	9.3	10.4	8.7	8.0
42.5°	3.6	4.7	6.1	4.5	3.2
45°	0.9	1.9	3.4	1.9	0.9
47.5°	0.6	0.8	1.9	0.8	0.6
50°	0.6	0.6	0.9	0.6	0.6
52.5°	0.6	0.6	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.4	0.6	0.4	0.6	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



TEST NUMBER: P1319722
CATALOG NUMBER: LDSQA3D02R509840DE010 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)