

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: P1312443

Luminaire Tested: LDSQA3D09R509050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312443
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: LDSQA3D09R509050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

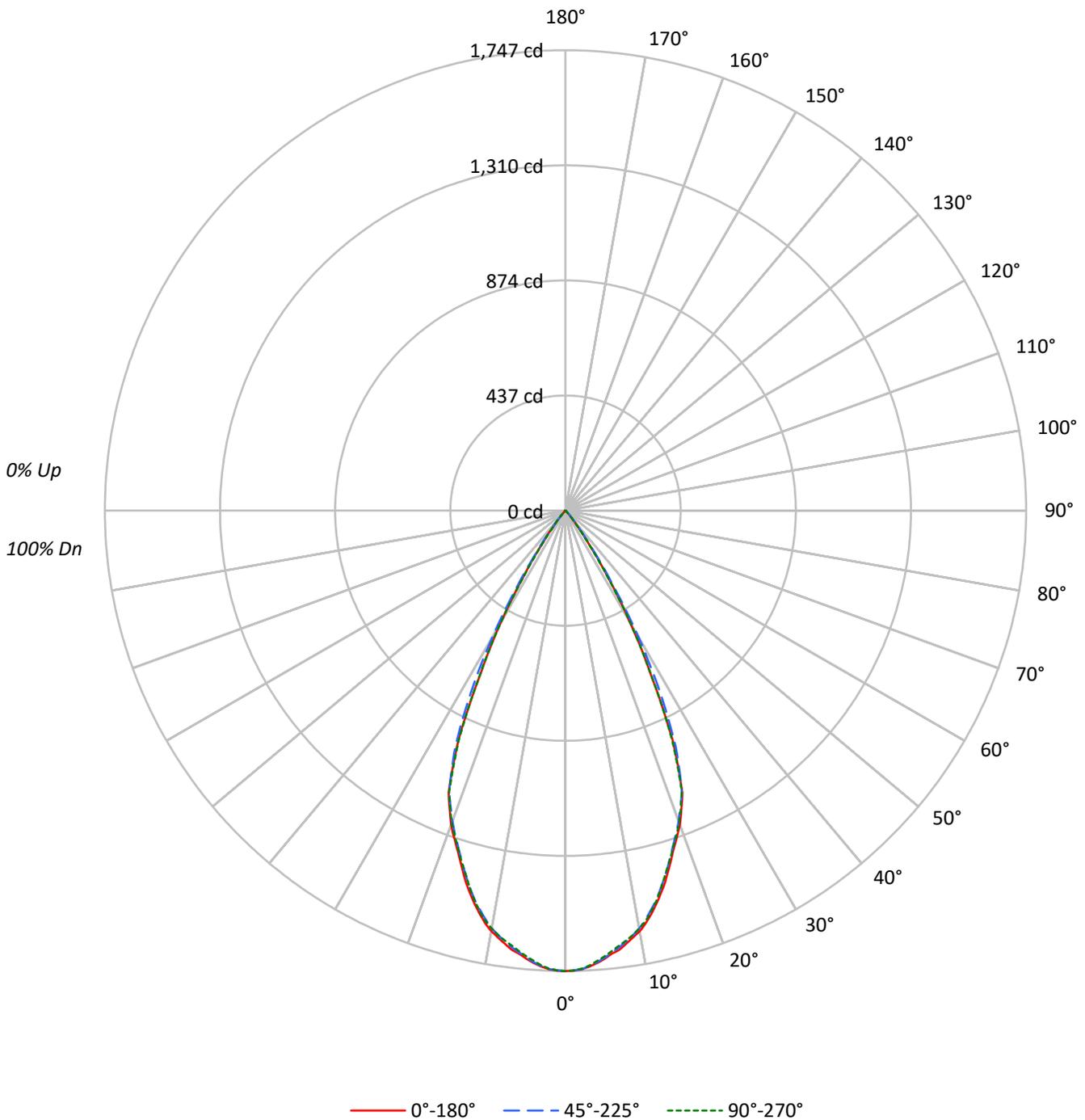
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1126.0 lumens
Efficiency: N/A
Efficacy: 101.4 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): 11.1
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: P1312443
CATALOG NUMBER: LDSQA3D09R509050DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1312443

CATALOG NUMBER: LDSQA3D09R509050DE010 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	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°	300907	300907	300907
5°	295021	294467	293638
10°	283480	281521	281661
15°	260226	257801	257516
20°	232485	229992	231165
25°	182711	188031	181209
30°	97762	109515	98081
35°	31936	37297	30086
40°	7914	9892	7554
45°	974	3507	974
50°	643	1072	643
55°	721	721	721
60°	551	551	551
65°	652	652	652
70°	403	403	403
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3507 cd/sqm



TEST NUMBER: P1312443

CATALOG NUMBER: LDSQA3D09R509050DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	14.2
10°-20°	404.1	35.9
20°-30°	425.0	37.7
30°-40°	122.5	10.9
40°-50°	10.0	0.9
50°-60°	2.1	0.2
60°-70°	1.5	0.1
70°-80°	0.8	0.1
80°-90°	0.2	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°	988.8	87.8
0°-40°	1111.3	98.7
0°-60°	1123.4	99.8
0°-90°	1126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1126.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1747	1747	1747	1747	1747	
5°	1706	1706	1703	1705	1698	160
15°	1460	1450	1446	1446	1444	406
25°	962	986	990	978	954	417
35°	152	158	177	152	143	117
45°	4	8	14	8	4	8
55°	2	2	2	2	2	2
65°	2	2	2	2	2	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1312443

CATALOG NUMBER: LDSQA3D09R509050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1747.2	1747.2	1747.2	1747.2	1747.2
1°	1746.4	1748.0	1744.8	1750.4	1745.6
2°	1742.4	1743.2	1741.6	1745.6	1739.3
3°	1732.9	1734.5	1731.3	1734.5	1728.9
4°	1721.7	1721.7	1718.5	1720.9	1713.7
5°	1706.5	1705.7	1703.3	1704.9	1698.5
6°	1690.5	1689.7	1685.7	1685.7	1680.9
7°	1678.5	1672.9	1669.7	1668.9	1664.1
8°	1659.3	1657.7	1651.3	1651.3	1648.1
9°	1640.1	1638.5	1631.3	1632.9	1630.5
10°	1621.0	1615.4	1609.8	1610.6	1610.6
11°	1595.4	1590.6	1582.6	1585.8	1587.4
12°	1565.0	1559.4	1552.2	1558.6	1557.8
13°	1531.4	1526.6	1521.0	1525.8	1524.2
14°	1496.3	1489.1	1484.3	1487.5	1485.9
15°	1459.5	1449.9	1445.9	1445.9	1444.3
17.5°	1356.4	1350.8	1346.8	1344.4	1350.0
20°	1268.5	1263.7	1254.9	1257.3	1261.3
22.5°	1158.2	1157.4	1152.6	1148.6	1153.4
25°	961.5	985.5	989.5	978.3	953.6
27.5°	698.6	754.5	774.5	748.1	702.6
30°	491.6	517.9	550.7	498.8	493.2
32.5°	296.5	303.7	334.1	298.1	290.1
35°	151.9	157.5	177.4	151.9	143.1
37.5°	71.1	74.3	82.3	71.1	66.3
40°	35.2	39.2	44.0	36.8	33.6
42.5°	15.2	20.0	25.6	19.2	13.6
45°	4.0	8.0	14.4	8.0	4.0
47.5°	2.4	3.2	8.0	3.2	2.4
50°	2.4	2.4	4.0	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	1.6	2.4	1.6	2.4	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.8	0.0	0.8	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: P1312443
CATALOG NUMBER: LDSQA3D09R509050DE010 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)