

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: P1326741

Luminaire Tested: LDSQA3D09R40W2N902765DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326741
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: LDSQA3D09R40W2N902765DE010 3LSQCDR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

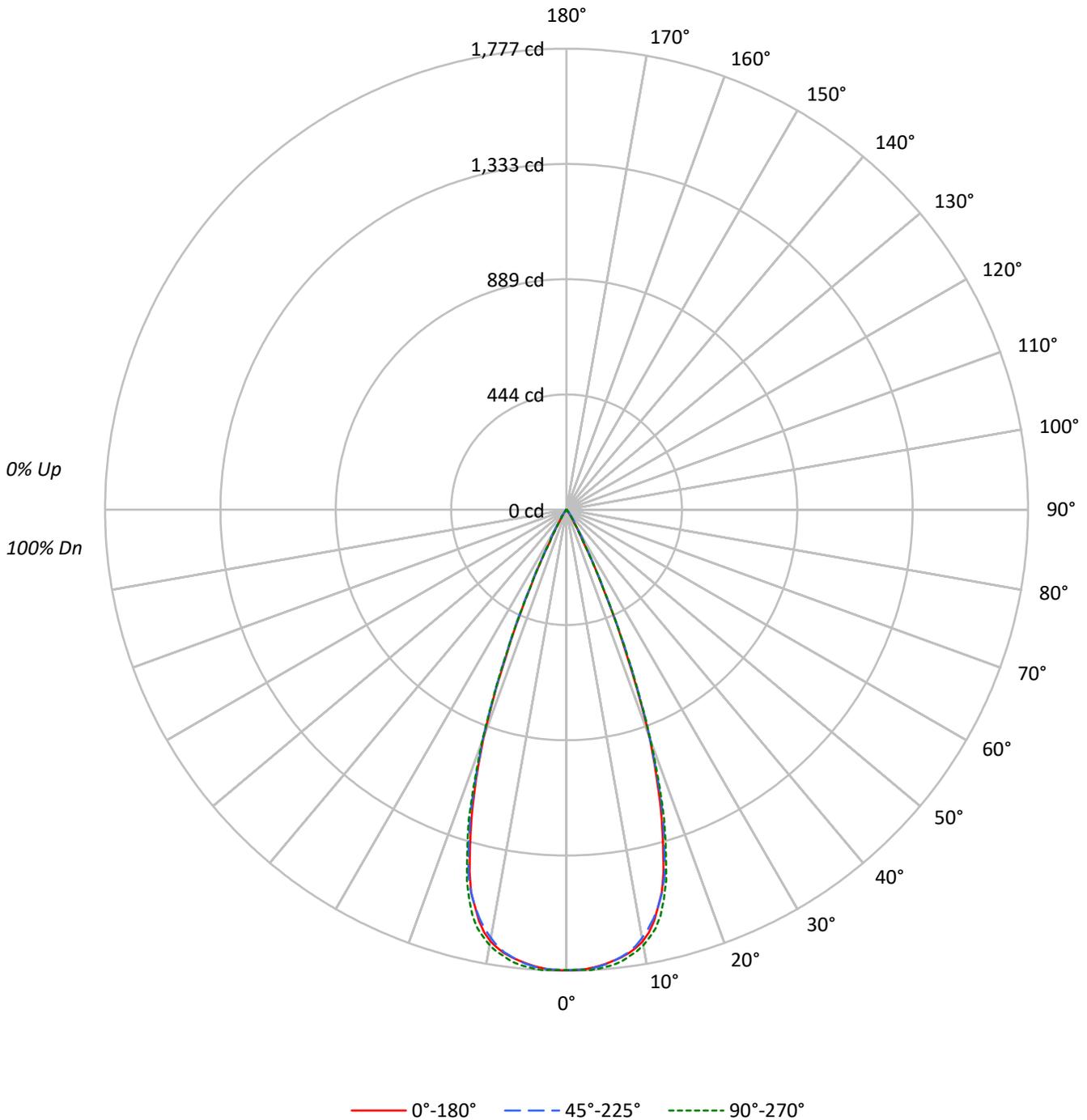
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 751.0 lumens
Efficiency: N/A
Efficacy: 83.4 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): 9
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: P1326741
CATALOG NUMBER: LDSQA3D09R40W2N902765DE010 3LSQCDR1MW_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1326741

CATALOG NUMBER: LDSQA3D09R40W2N902765DE010 3LSQCDR1MW_2700K

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	69	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	305609	305609	305609
5°	303578	304028	305670
10°	295354	293133	298030
15°	257338	259976	264024
20°	171418	172279	173928
25°	62329	64229	62614
30°	13225	17759	13225
35°	4667	7884	4436
40°	1664	2496	1664
45°	390	1023	390
50°	295	429	295
55°	330	330	330
60°	379	379	379
65°	204	448	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1023 cd/sqm



TEST NUMBER: P1326741

CATALOG NUMBER: LDSQA3D09R40W2N902765DE010 3LSQCDR1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	22.1
10°-20°	386.4	51.4
20°-30°	173.9	23.2
30°-40°	19.8	2.6
40°-50°	2.8	0.4
50°-60°	1.0	0.1
60°-70°	0.8	0.1
70°-80°	0.5	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
<hr/>		
0°-30°	726.1	96.7
0°-40°	745.9	99.3
0°-60°	749.7	99.8
0°-90°	751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1774	1774	1774	1774	1774	
5°	1756	1754	1759	1766	1768	166
15°	1443	1447	1458	1470	1481	383
25°	328	330	338	338	330	170
35°	22	25	38	24	21	17
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	1	1	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1326741

CATALOG NUMBER: LDSQA3D09R40W2N902765DE010 3LSQCDR1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1774.5	1774.5	1774.5	1774.5	1774.5
1°	1775.5	1773.9	1773.4	1776.6	1773.9
2°	1773.9	1772.9	1773.4	1776.6	1774.5
3°	1769.2	1769.7	1771.3	1777.1	1776.6
4°	1763.4	1762.8	1766.0	1773.4	1773.4
5°	1756.0	1753.9	1758.6	1766.5	1768.1
6°	1747.5	1744.9	1748.6	1758.6	1762.3
7°	1738.0	1732.7	1735.9	1748.1	1752.8
8°	1725.3	1718.5	1722.2	1734.3	1738.0
9°	1709.5	1698.9	1702.1	1716.9	1724.3
10°	1688.9	1675.7	1676.2	1692.6	1704.2
11°	1659.9	1645.1	1645.6	1666.2	1678.3
12°	1621.3	1608.1	1610.7	1629.8	1649.3
13°	1569.0	1565.3	1568.5	1589.1	1607.0
14°	1518.3	1514.6	1520.4	1539.4	1547.9
15°	1443.3	1447.0	1458.1	1469.7	1480.8
17.5°	1205.7	1219.9	1233.1	1241.1	1250.6
20°	935.3	918.9	940.0	930.5	949.0
22.5°	603.6	615.8	621.1	615.8	617.9
25°	328.0	330.1	338.0	338.0	329.5
27.5°	139.4	150.5	160.5	156.8	139.4
30°	66.5	76.6	89.3	77.1	66.5
32.5°	37.5	44.4	57.6	43.3	36.4
35°	22.2	24.8	37.5	23.8	21.1
37.5°	13.2	13.7	20.6	14.3	12.7
40°	7.4	9.0	11.1	9.0	7.4
42.5°	3.7	5.3	6.9	5.3	3.7
45°	1.6	2.6	4.2	2.6	1.6
47.5°	1.6	1.6	2.6	1.6	1.6
50°	1.1	1.1	1.6	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	0.5	1.1	1.1	1.1	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
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: P1326741
CATALOG NUMBER: LDSQA3D09R40W2N902765DE010 3LSQCDR1MW_2700K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)