

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: P1326678

Luminaire Tested: LDSQA3D09R40W2N902750DE010 3LSQCDR1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R40W2N902750DE010 3LSQCDR1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

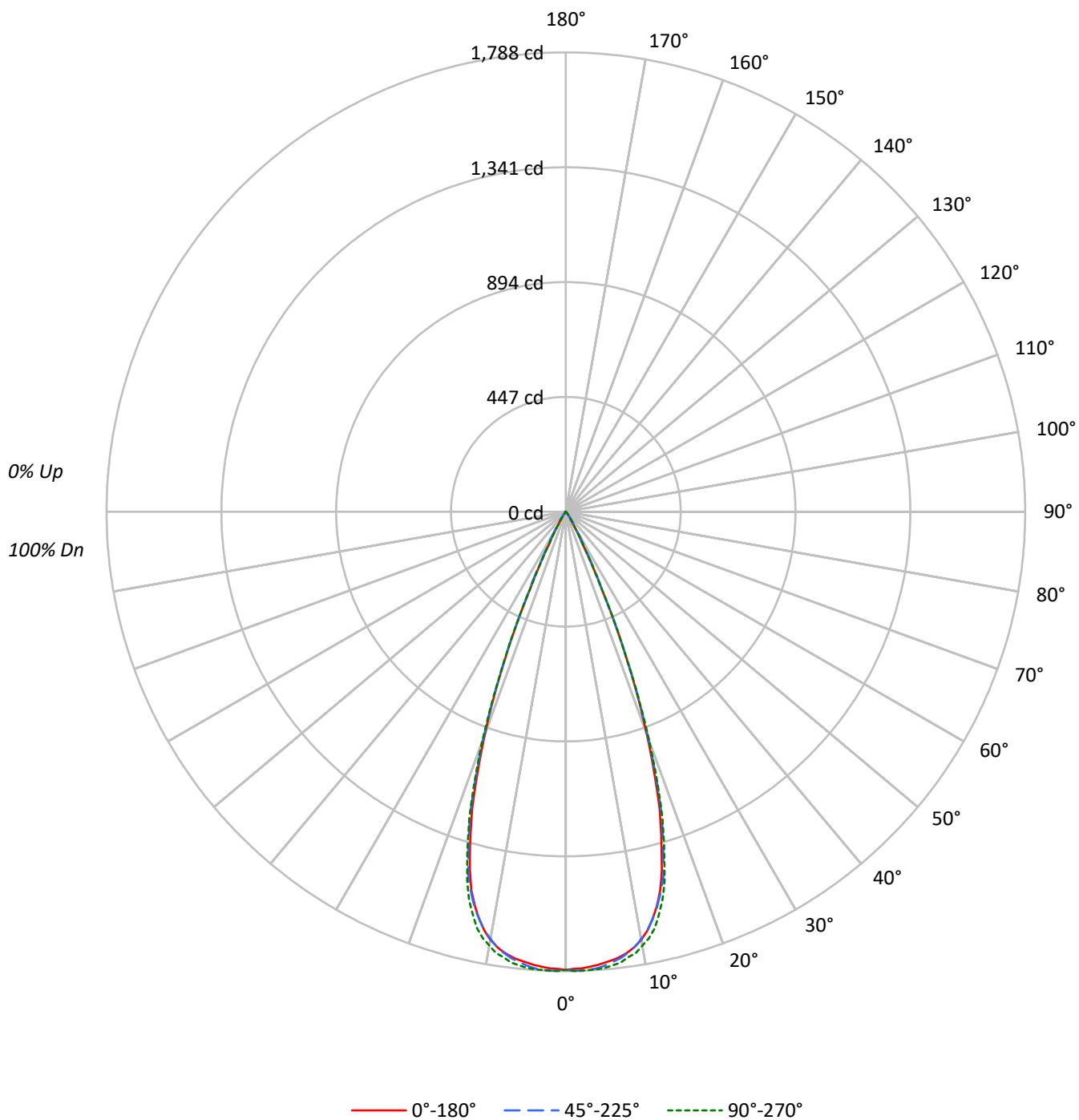
Lumens per Lamp: N/A
Luminaire Lumens: 750.0 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	307159	307159	307159
5°	304494	306413	307883
10°	295826	295284	299901
15°	257355	261492	264701
20°	168907	172206	174423
25°	60219	63735	59915
30°	13125	17759	13225
35°	4226	7338	4100
40°	1304	2248	1192
45°	122	779	122
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: 779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	22.2
10°-20°	388.4	51.8
20°-30°	174.2	23.2
30°-40°	18.8	2.5
40°-50°	1.8	0.2
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°	729.4	97.3
0°-40°	748.2	99.8
0°-60°	750.0	100.0
0°-90°	750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	750.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1784	1784	1784	1784	1784	
5°	1761	1766	1772	1775	1781	166
15°	1443	1454	1467	1475	1485	384
25°	317	326	335	341	315	169
35°	20	23	35	23	20	16
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1783.5	1783.5	1783.5	1783.5	1783.5
1°	1779.8	1783.5	1786.7	1784.0	1787.7
2°	1778.2	1782.5	1787.2	1784.6	1787.7
3°	1774.0	1779.3	1784.6	1783.0	1786.2
4°	1768.2	1772.4	1780.4	1780.4	1785.1
5°	1761.3	1766.1	1772.4	1775.1	1780.9
6°	1753.9	1756.6	1761.3	1766.6	1774.5
7°	1744.4	1744.4	1750.2	1755.5	1766.1
8°	1731.2	1730.2	1734.4	1741.3	1750.8
9°	1714.9	1711.2	1714.3	1724.4	1738.6
10°	1691.6	1688.5	1688.5	1701.1	1714.9
11°	1661.5	1660.5	1661.0	1673.1	1691.6
12°	1620.9	1621.9	1621.9	1635.6	1658.4
13°	1574.9	1574.4	1579.1	1594.4	1609.8
14°	1518.9	1522.1	1526.8	1540.6	1556.4
15°	1443.4	1454.0	1466.6	1475.1	1484.6
17.5°	1213.7	1224.2	1241.7	1248.5	1250.6
20°	921.6	936.9	939.6	953.3	951.7
22.5°	617.9	616.9	619.0	620.6	621.1
25°	316.9	326.4	335.4	341.2	315.3
27.5°	137.8	154.2	165.8	150.5	139.4
30°	66.0	75.0	89.3	75.5	66.5
32.5°	35.9	41.7	56.5	41.2	35.4
35°	20.1	23.2	34.9	22.7	19.5
37.5°	11.6	12.7	19.0	12.7	11.1
40°	5.8	7.4	10.0	7.4	5.3
42.5°	2.1	3.7	5.3	3.7	2.1
45°	0.5	1.1	3.2	1.1	0.5
47.5°	0.0	0.0	1.6	0.0	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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)