

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: P1326684

Luminaire Tested: LDSQA3D09R40W2N902750DE010 3LSQCDR1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326684
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 3LSQCDR1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

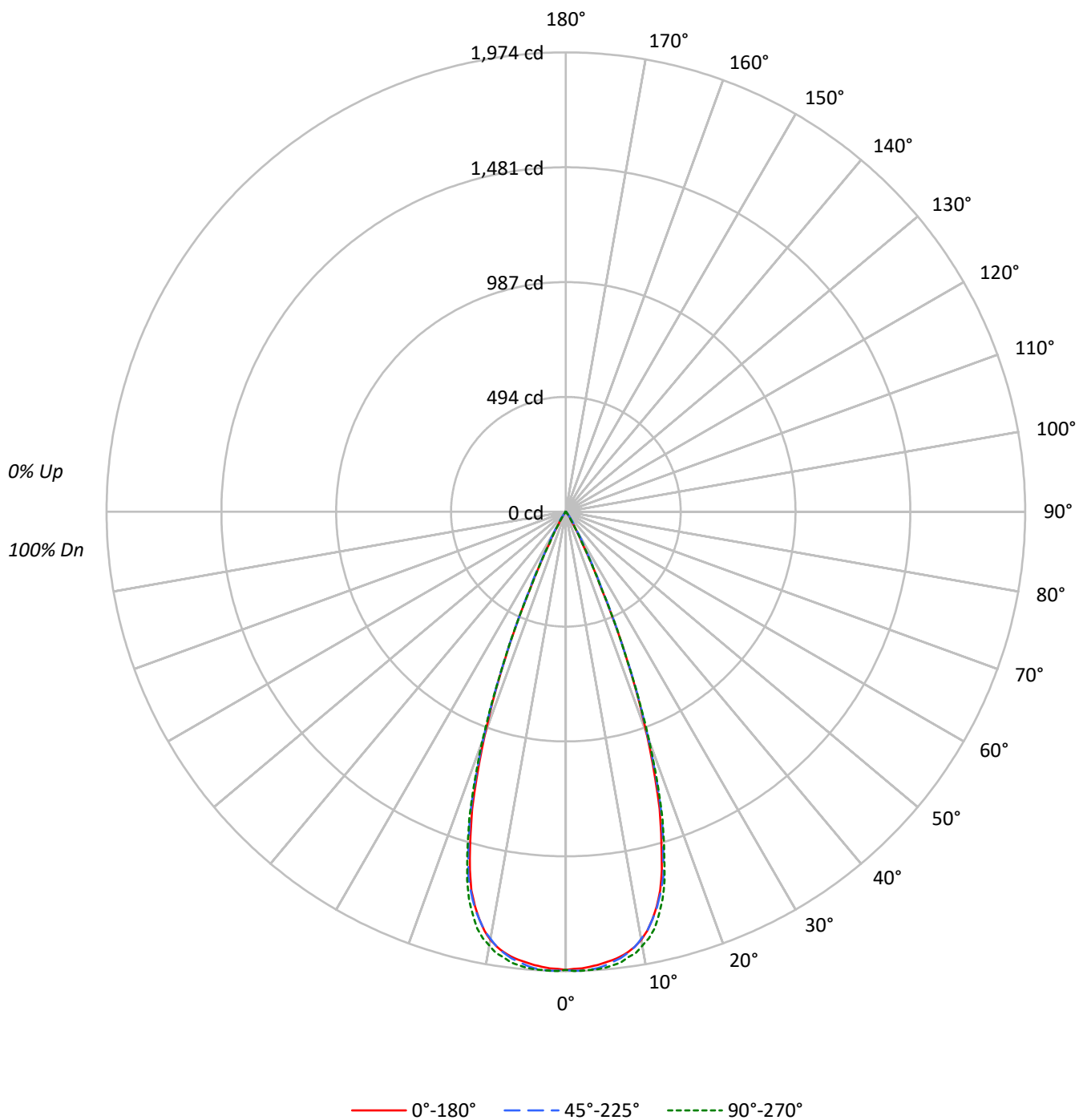
Lumens per Lamp: N/A
Luminaire Lumens: 828.0 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1326684

CATALOG NUMBER: LDSQA3D09R40W2N902750DE010 3LSQCDR1MMS_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1326684

CATALOG NUMBER: LDSQA3D09R40W2N902750DE010 3LSQCDR1MMS_3000K

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°	339106	339106	339106
5°	336166	338293	339900
10°	326605	325993	331082
15°	284118	288700	292230
20°	186465	190112	192568
25°	66471	70348	66148
30°	14497	19588	14617
35°	4667	8094	4541
40°	1439	2496	1304
45°	146	852	146
50°	0	161	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: 852 cd/sqm

TEST NUMBER: P1326684

CATALOG NUMBER: LDSQA3D09R40W2N902750DE010 3LSQCDR1MMS_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.1	22.2
10°-20°	428.8	51.8
20°-30°	192.3	23.2
30°-40°	20.8	2.5
40°-50°	1.9	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°	805.3	97.3
0°-40°	826.1	99.8
0°-60°	828.0	100.0
0°-90°	828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	828.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1969	1969	1969	1969	1969	
5°	1944	1950	1957	1960	1966	183
15°	1594	1605	1619	1628	1639	423
25°	350	360	370	377	348	187
35°	22	26	38	25	22	17
45°	1	1	4	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	

TEST NUMBER: P1326684

CATALOG NUMBER: LDSQA3D09R40W2N902750DE010 3LSQCDR1MMS_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1969.0	1969.0	1969.0	1969.0	1969.0
1°	1964.9	1969.0	1972.5	1969.6	1973.7
2°	1963.2	1967.8	1973.1	1970.2	1973.7
3°	1958.5	1964.3	1970.2	1968.4	1971.9
4°	1952.1	1956.8	1965.5	1965.5	1970.8
5°	1944.5	1949.8	1956.8	1959.7	1966.1
6°	1936.4	1939.3	1944.5	1950.3	1959.1
7°	1925.9	1925.9	1932.3	1938.1	1949.8
8°	1911.3	1910.1	1914.8	1922.4	1932.9
9°	1893.2	1889.1	1892.6	1903.7	1919.4
10°	1867.6	1864.1	1864.1	1878.0	1893.2
11°	1834.3	1833.2	1833.7	1847.1	1867.6
12°	1789.4	1790.6	1790.6	1805.7	1830.8
13°	1738.7	1738.1	1743.4	1760.3	1777.2
14°	1676.9	1680.4	1685.6	1700.8	1718.3
15°	1593.5	1605.2	1619.2	1628.5	1639.0
17.5°	1339.9	1351.5	1370.8	1378.4	1380.7
20°	1017.4	1034.4	1037.3	1052.4	1050.7
22.5°	682.2	681.0	683.4	685.1	685.7
25°	349.8	360.3	370.2	376.7	348.1
27.5°	152.2	170.3	183.1	166.2	153.9
30°	72.9	82.8	98.5	83.4	73.5
32.5°	39.6	46.1	62.4	45.5	39.1
35°	22.2	25.7	38.5	25.1	21.6
37.5°	12.8	14.0	21.0	14.0	12.2
40°	6.4	8.2	11.1	8.2	5.8
42.5°	2.3	4.1	5.8	4.1	2.3
45°	0.6	1.2	3.5	1.2	0.6
47.5°	0.0	0.0	1.7	0.0	0.0
50°	0.0	0.0	0.6	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



TEST NUMBER: P1326684

CATALOG NUMBER: LDSQA3D09R40W2N902750DE010 3LSQCDR1MMS_3000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)