

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: P1326689

Luminaire Tested: LDSQA3D09R40W2N902750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326689
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: LDSQA3D09R40W2N902750DE010 3LSQCDR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

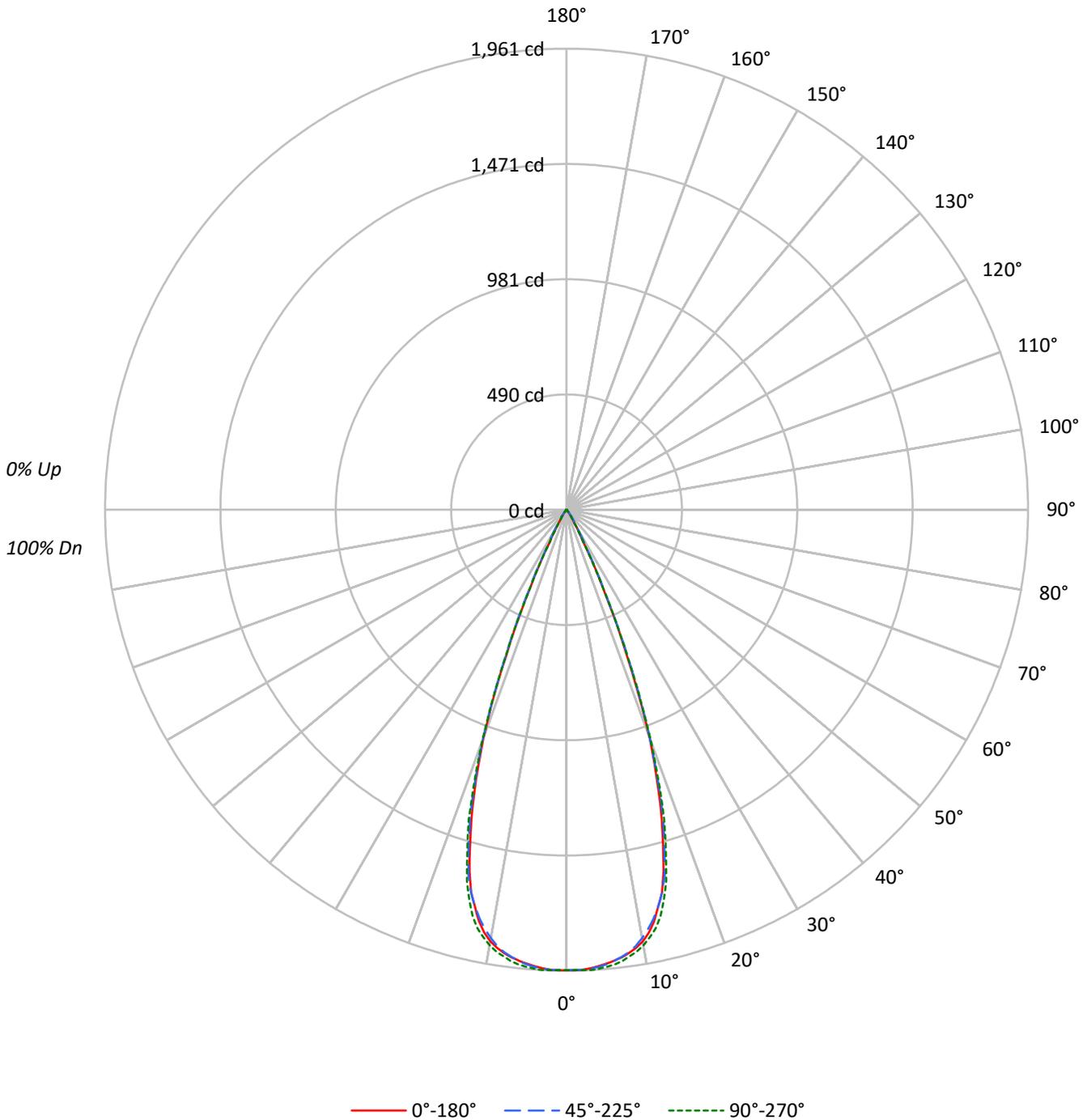
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 829.1 lumens
Efficiency: N/A
Efficacy: 92.1 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: P1326689
CATALOG NUMBER: LDSQA3D09R40W2N902750DE010 3LSQCDR1MW_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1326689

CATALOG NUMBER: LDSQA3D09R40W2N902750DE010 3LSQCDR1MW_3000K

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	96	
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	92	
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	88	
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	85	
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	82	
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	79	
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	76	
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	73	
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	71	
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	68	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	337350	337350	337350
5°	335112	335613	337428
10°	326028	323579	328983
15°	284064	286988	291446
20°	189214	190185	191999
25°	68790	70899	69132
30°	14617	19588	14617
35°	5151	8704	4899
40°	1844	2743	1844
45°	414	1145	414
50°	322	455	322
55°	360	360	360
60°	413	413	413
65°	245	489	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1145 cd/sqm



TEST NUMBER: P1326689

CATALOG NUMBER: LDSQA3D09R40W2N902750DE010 3LSQCDR1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	22.1
10°-20°	426.5	51.4
20°-30°	192.0	23.2
30°-40°	21.8	2.6
40°-50°	3.1	0.4
50°-60°	1.1	0.1
60°-70°	0.9	0.1
70°-80°	0.6	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
0°-30°	801.5	96.7
0°-40°	823.4	99.3
0°-60°	827.6	99.8
0°-90°	829.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	829.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1959	1959	1959	1959	1959	
5°	1938	1936	1941	1950	1952	183
15°	1593	1597	1610	1622	1635	423
25°	362	364	373	373	364	187
35°	24	27	41	26	23	18
45°	2	3	5	3	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1326689

CATALOG NUMBER: LDSQA3D09R40W2N902750DE010 3LSQCDR1MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1958.8	1958.8	1958.8	1958.8	1958.8
1°	1959.9	1958.2	1957.6	1961.1	1958.2
2°	1958.2	1957.0	1957.6	1961.1	1958.8
3°	1952.9	1953.5	1955.3	1961.7	1961.1
4°	1946.5	1945.9	1949.4	1957.6	1957.6
5°	1938.4	1936.0	1941.3	1950.0	1951.8
6°	1929.0	1926.1	1930.2	1941.3	1945.3
7°	1918.5	1912.7	1916.2	1929.6	1934.9
8°	1904.5	1897.0	1901.0	1914.5	1918.5
9°	1887.1	1875.4	1878.9	1895.2	1903.4
10°	1864.3	1849.7	1850.3	1868.4	1881.2
11°	1832.3	1815.9	1816.5	1839.2	1852.7
12°	1789.7	1775.1	1778.0	1799.0	1820.6
13°	1732.0	1727.9	1731.4	1754.1	1774.0
14°	1676.0	1671.9	1678.4	1699.3	1708.7
15°	1593.2	1597.3	1609.6	1622.4	1634.6
17.5°	1330.9	1346.6	1361.2	1370.0	1380.5
20°	1032.4	1014.4	1037.7	1027.2	1047.6
22.5°	666.3	679.7	685.6	679.7	682.1
25°	362.0	364.4	373.1	373.1	363.8
27.5°	153.9	166.1	177.2	173.1	153.9
30°	73.5	84.5	98.5	85.1	73.5
32.5°	41.4	49.0	63.5	47.8	40.2
35°	24.5	27.4	41.4	26.2	23.3
37.5°	14.6	15.2	22.7	15.7	14.0
40°	8.2	9.9	12.2	9.9	8.2
42.5°	4.1	5.8	7.6	5.8	4.1
45°	1.7	2.9	4.7	2.9	1.7
47.5°	1.7	1.7	2.9	1.7	1.7
50°	1.2	1.2	1.7	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	0.6	1.2	1.2	1.2	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
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: P1326689

CATALOG NUMBER: LDSQA3D09R40W2N902750DE010 3LSQCDR1MW_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)