

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: P1326686

Luminaire Tested: LDSQA3D09R40W2N902750DE010 3LSQCDR1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326686
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

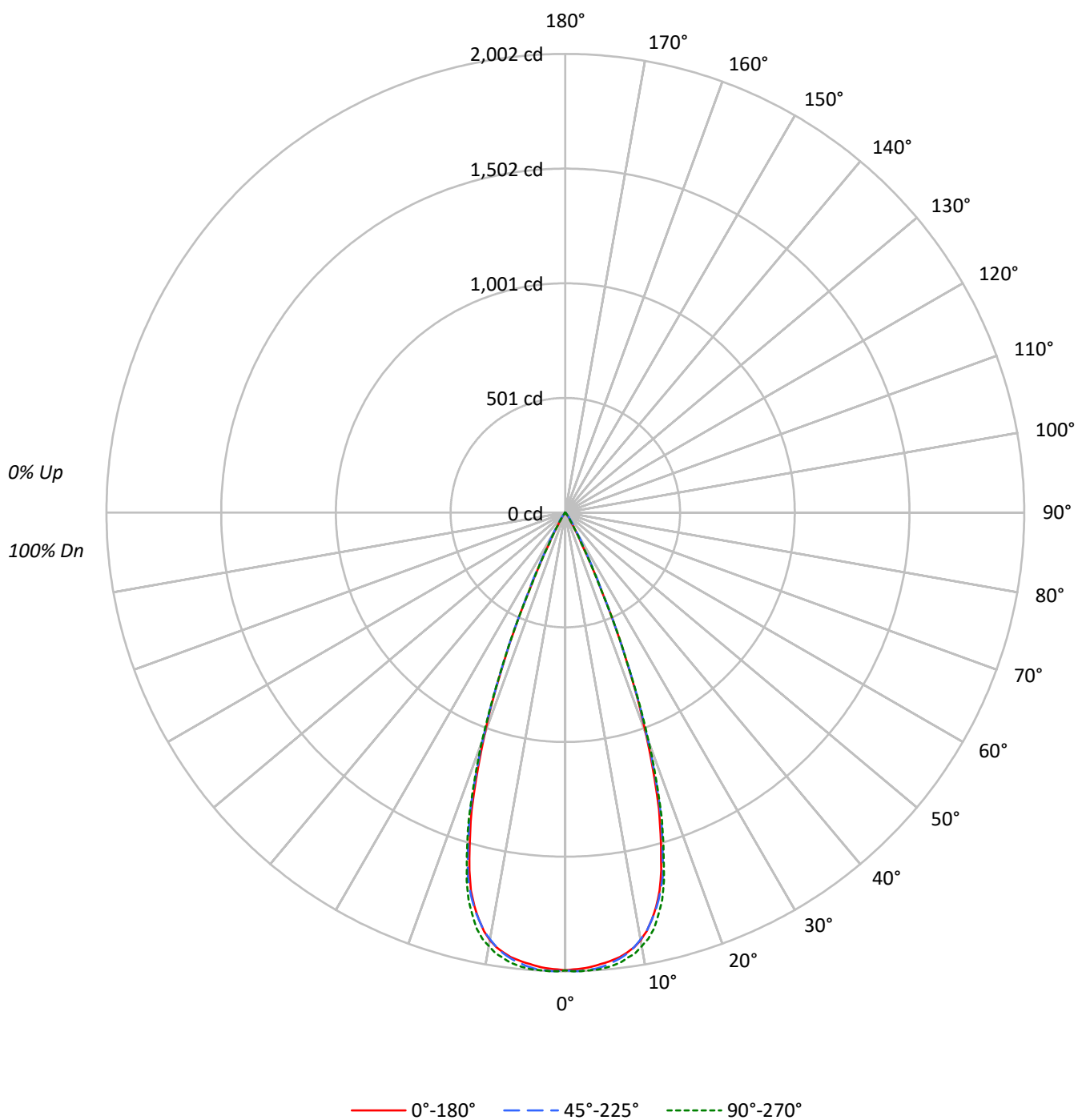
Lumens per Lamp: N/A
Luminaire Lumens: 840.0 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	344015	344015	344015
5°	341041	343185	344827
10°	331327	330715	335873
15°	288237	292872	296456
20°	189177	192861	195353
25°	67440	71374	67098
30°	14696	19887	14815
35°	4731	8200	4604
40°	1461	2518	1326
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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.8	22.2
10°-20°	435.0	51.8
20°-30°	195.1	23.2
30°-40°	21.1	2.5
40°-50°	2.0	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°	817.0	97.3
0°-40°	838.0	99.8
0°-60°	840.0	100.0
0°-90°	840.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	840.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1998	1998	1998	1998	1998	
5°	1973	1978	1985	1988	1995	186
15°	1617	1628	1643	1652	1663	430
25°	355	366	376	382	353	189
35°	22	26	39	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1997.5	1997.5	1997.5	1997.5	1997.5
1°	1993.4	1997.5	2001.1	1998.1	2002.3
2°	1991.6	1996.4	2001.7	1998.7	2002.3
3°	1986.9	1992.8	1998.7	1997.0	2000.5
4°	1980.4	1985.1	1994.0	1994.0	1999.3
5°	1972.7	1978.0	1985.1	1988.1	1994.6
6°	1964.4	1967.4	1972.7	1978.6	1987.5
7°	1953.8	1953.8	1960.3	1966.2	1978.0
8°	1939.0	1937.8	1942.5	1950.2	1960.9
9°	1920.6	1916.5	1920.1	1931.3	1947.3
10°	1894.6	1891.1	1891.1	1905.3	1920.6
11°	1860.9	1859.7	1860.3	1873.9	1894.6
12°	1815.4	1816.5	1816.5	1831.9	1857.4
13°	1763.9	1763.3	1768.6	1785.8	1802.9
14°	1701.2	1704.7	1710.1	1725.4	1743.2
15°	1616.6	1628.4	1642.6	1652.1	1662.7
17.5°	1359.3	1371.1	1390.6	1398.3	1400.7
20°	1032.2	1049.3	1052.3	1067.7	1065.9
22.5°	692.1	690.9	693.3	695.0	695.6
25°	354.9	365.6	375.6	382.1	353.1
27.5°	154.4	172.7	185.7	168.6	156.2
30°	73.9	84.0	100.0	84.6	74.5
32.5°	40.2	46.7	63.3	46.1	39.6
35°	22.5	26.0	39.0	25.4	21.9
37.5°	13.0	14.2	21.3	14.2	12.4
40°	6.5	8.3	11.2	8.3	5.9
42.5°	2.4	4.1	5.9	4.1	2.4
45°	0.6	1.2	3.5	1.2	0.6
47.5°	0.0	0.0	1.8	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



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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)