

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: P1326682

Luminaire Tested: LDSQA3D09R40W2N902750DE010 3LSQCDR1MB\_5000K

Issue Date: 1/29/2026

**Test Information**

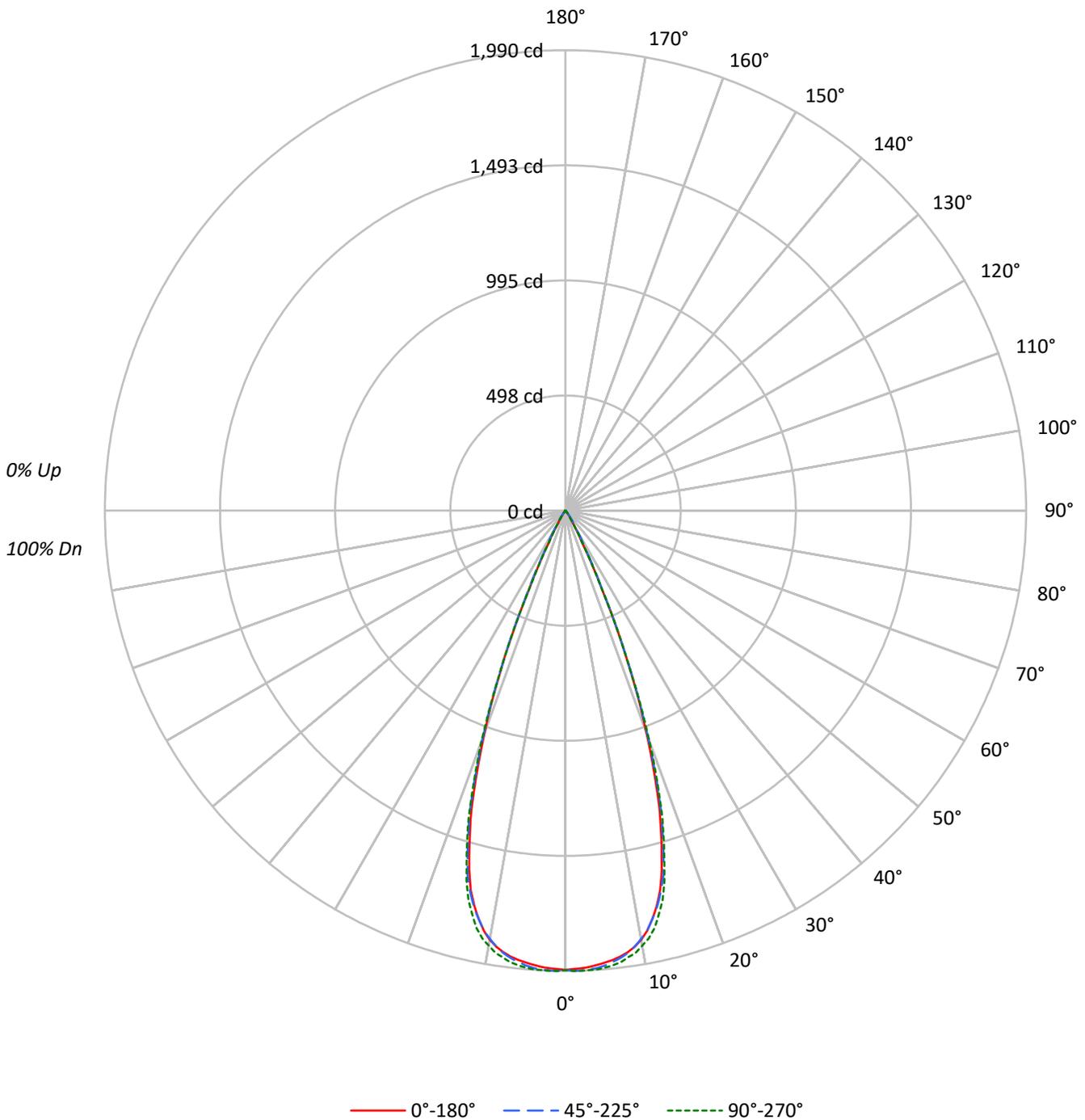
Test Method: LM-79-2019  
Report Number: P1326682  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R40W2N902750DE010 3LSQCDR1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,  
3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 835.0 lumens  
Efficiency: N/A  
Efficacy: 92.8 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			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	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°	341982	341982	341982
5°	339019	341145	342770
10°	329350	328738	333880
15°	286525	291143	294691
20°	188041	191706	194199
25°	67041	70956	66699
30°	14617	19767	14736
35°	4688	8158	4583
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°	185.7	22.2
10°-20°	432.5	51.8
20°-30°	194.0	23.2
30°-40°	21.0	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°	812.1	97.3
0°-40°	833.0	99.8
0°-60°	835.0	100.0
0°-90°	835.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	835.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1986	1986	1986	1986	1986	
5°	1961	1966	1973	1976	1983	185
15°	1607	1619	1633	1642	1653	427
25°	353	363	373	380	351	188
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1985.7	1985.7	1985.7	1985.7	1985.7
1°	1981.5	1985.7	1989.2	1986.2	1990.4
2°	1979.8	1984.5	1989.8	1986.8	1990.4
3°	1975.1	1980.9	1986.8	1985.1	1988.6
4°	1968.6	1973.3	1982.1	1982.1	1987.4
5°	1961.0	1966.2	1973.3	1976.2	1982.7
6°	1952.7	1955.7	1961.0	1966.8	1975.7
7°	1942.1	1942.1	1948.6	1954.5	1966.2
8°	1927.4	1926.3	1931.0	1938.6	1949.2
9°	1909.2	1905.1	1908.6	1919.8	1935.7
10°	1883.3	1879.8	1879.8	1893.9	1909.2
11°	1849.8	1848.7	1849.2	1862.8	1883.3
12°	1804.6	1805.7	1805.7	1821.0	1846.3
13°	1753.4	1752.8	1758.1	1775.2	1792.2
14°	1691.1	1694.6	1699.9	1715.2	1732.8
15°	1607.0	1618.7	1632.9	1642.3	1652.8
17.5°	1351.2	1363.0	1382.4	1390.0	1392.4
20°	1026.0	1043.1	1046.0	1061.3	1059.6
22.5°	688.0	686.8	689.1	690.9	691.5
25°	352.8	363.4	373.4	379.8	351.0
27.5°	153.5	171.7	184.6	167.6	155.2
30°	73.5	83.5	99.4	84.1	74.1
32.5°	40.0	46.5	62.9	45.9	39.4
35°	22.3	25.9	38.8	25.3	21.8
37.5°	12.9	14.1	21.2	14.1	12.3
40°	6.5	8.2	11.2	8.2	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)