

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: P1326690

Luminaire Tested: LDSQA3D09R40W2N902750DE010 3LSQCDR1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

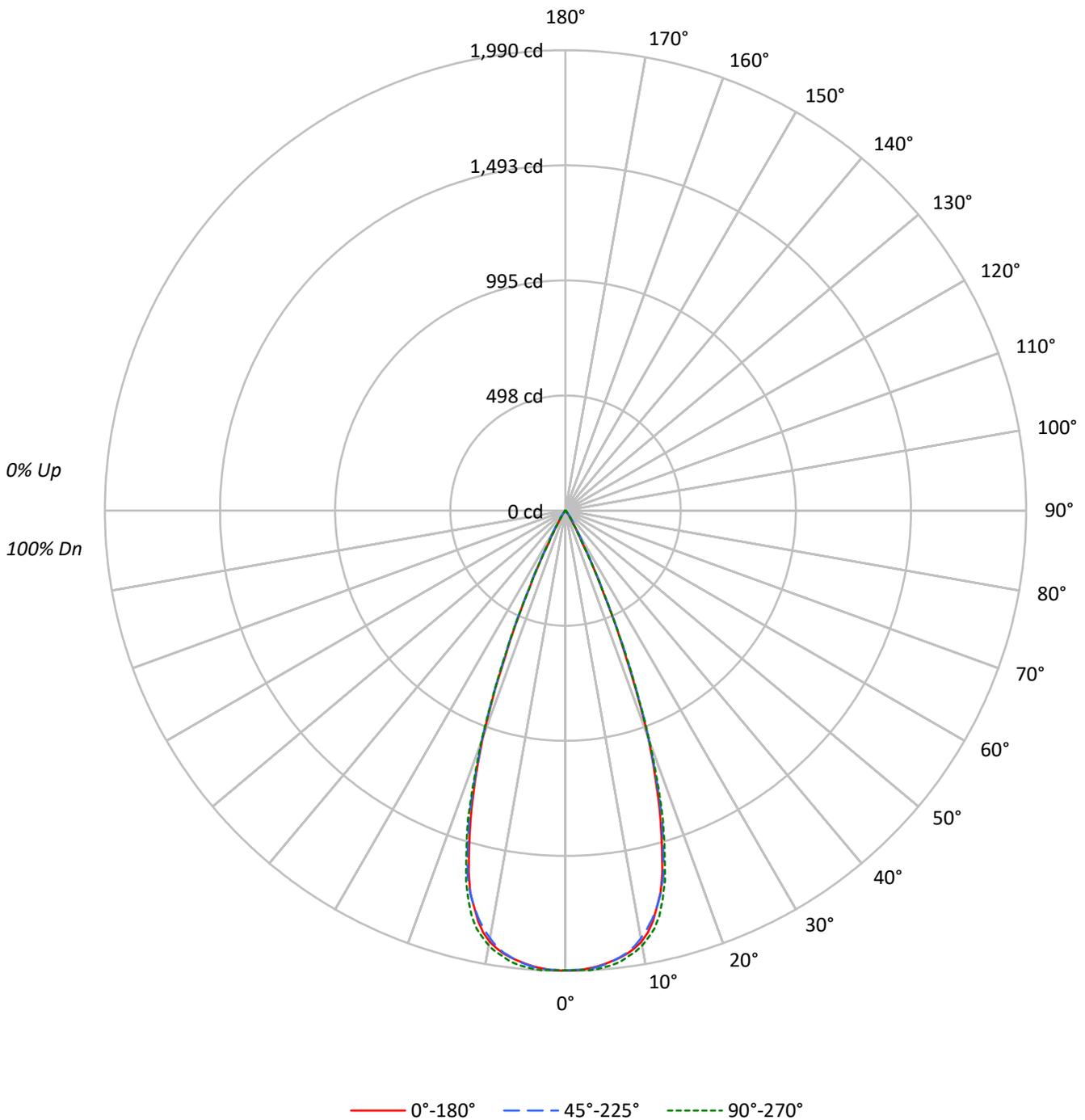
Test Method: LM-79-2019  
Report Number: P1326690  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R40W2N902750DE010 3LSQCDR1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 841.0 lumens  
Efficiency: N/A  
Efficacy: 93.4 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

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	342224	342224	342224
5°	339952	340471	342303
10°	330750	328266	333757
15°	288183	291143	295672
20°	191963	192934	194767
25°	69797	71925	70120
30°	14815	19867	14815
35°	5214	8830	4983
40°	1866	2788	1866
45°	438	1145	438
50°	322	482	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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.7	22.1
10°-20°	432.7	51.4
20°-30°	194.7	23.2
30°-40°	22.2	2.6
40°-50°	3.2	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°	813.1	96.7
0°-40°	835.3	99.3
0°-60°	839.6	99.8
0°-90°	841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	841.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1966	1964	1969	1978	1980	186
15°	1616	1620	1633	1646	1658	429
25°	367	370	378	378	369	190
35°	25	28	42	27	24	19
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1987.1	1987.1	1987.1	1987.1	1987.1
1°	1988.3	1986.5	1985.9	1989.5	1986.5
2°	1986.5	1985.3	1985.9	1989.5	1987.1
3°	1981.2	1981.8	1983.6	1990.1	1989.5
4°	1974.7	1974.1	1977.6	1985.9	1985.9
5°	1966.4	1964.0	1969.4	1978.2	1980.0
6°	1956.9	1954.0	1958.1	1969.4	1973.5
7°	1946.3	1940.4	1943.9	1957.5	1962.9
8°	1932.1	1924.4	1928.6	1942.2	1946.3
9°	1914.4	1902.5	1906.1	1922.6	1930.9
10°	1891.3	1876.5	1877.1	1895.4	1908.5
11°	1858.8	1842.2	1842.8	1865.9	1879.5
12°	1815.6	1800.8	1803.8	1825.1	1846.9
13°	1757.1	1752.9	1756.5	1779.5	1799.6
14°	1700.3	1696.1	1702.6	1723.9	1733.4
15°	1616.3	1620.4	1632.9	1645.9	1658.3
17.5°	1350.2	1366.1	1380.9	1389.8	1400.4
20°	1047.4	1029.0	1052.7	1042.0	1062.7
22.5°	676.0	689.6	695.5	689.6	691.9
25°	367.3	369.6	378.5	378.5	369.0
27.5°	156.1	168.5	179.8	175.6	156.1
30°	74.5	85.8	99.9	86.3	74.5
32.5°	42.0	49.7	64.5	48.5	40.8
35°	24.8	27.8	42.0	26.6	23.7
37.5°	14.8	15.4	23.1	16.0	14.2
40°	8.3	10.1	12.4	10.1	8.3
42.5°	4.1	5.9	7.7	5.9	4.1
45°	1.8	3.0	4.7	3.0	1.8
47.5°	1.8	1.8	3.0	1.8	1.8
50°	1.2	1.2	1.8	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



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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)