

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: P1325952

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQCDR1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

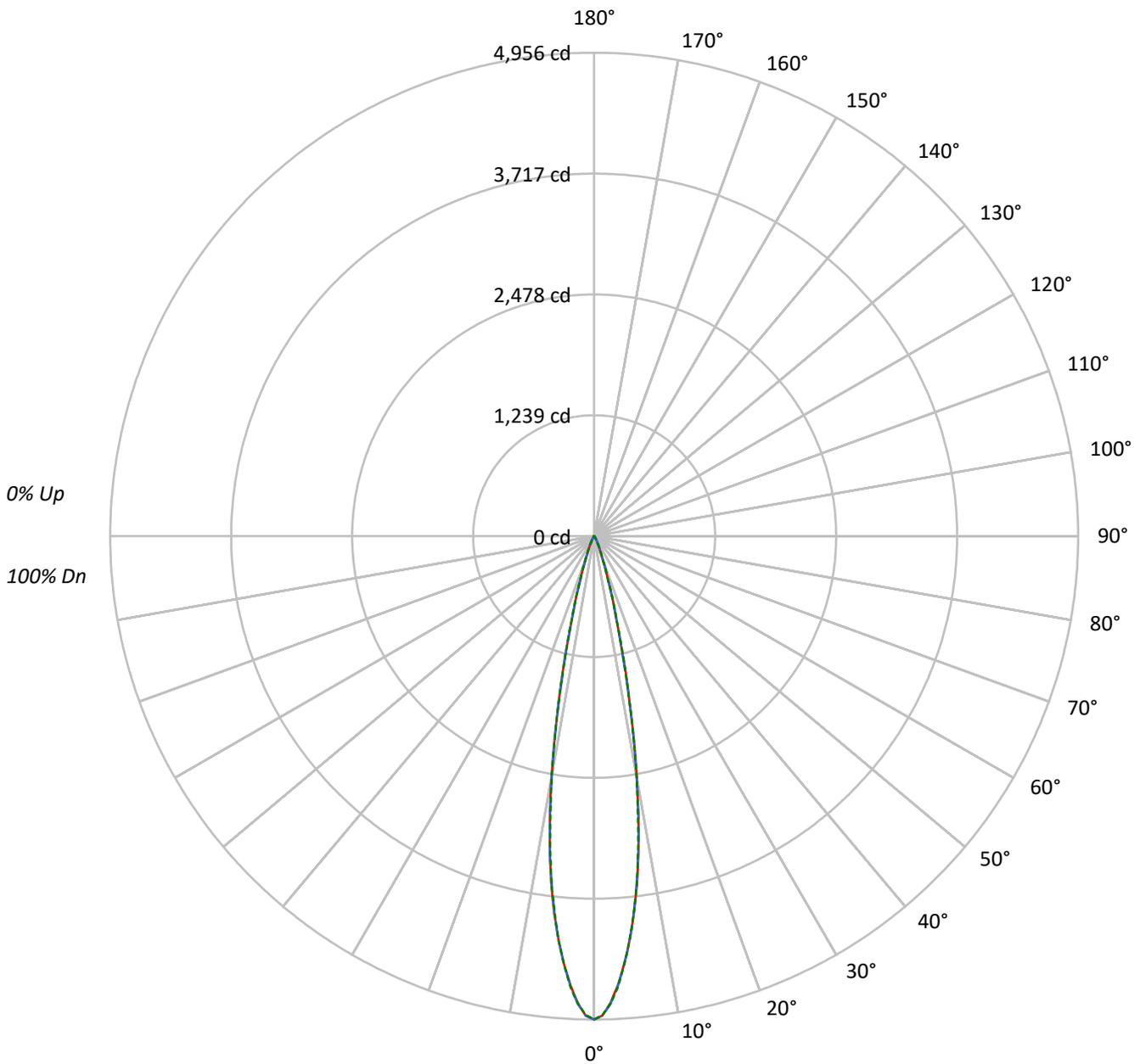
Test Method: LM-79-2019  
Report Number: P1325952  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R20W2N902750DE010 3LSQCDR1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 683.0 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
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



— 0°-180°    - - 45°-225°    ···· 90°-270°



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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	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	91	88	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	81

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

	0°	45°	90°
0°	853570	853570	853570
5°	719442	719719	719338
10°	438405	436377	437391
15°	154424	155084	159898
20°	48513	49869	48806
25°	18167	19877	18680
30°	7040	9983	7358
35°	2670	4436	2880
40°	1416	1911	1416
45°	511	901	633
50°	295	429	295
55°	330	330	330
60°	172	172	172
65°	204	204	204
70°	252	252	252
75°	0	0	333
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 901 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.1	50.4
10°-20°	269.8	39.5
20°-30°	53.0	7.8
30°-40°	11.9	1.7
40°-50°	2.7	0.4
50°-60°	0.9	0.1
60°-70°	0.5	0.1
70°-80°	0.2	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°	666.8	97.6
0°-40°	678.7	99.4
0°-60°	682.3	99.9
0°-90°	683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	683.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4956	4956	4956	4956	4956	
5°	4162	4165	4163	4177	4161	345
15°	866	870	870	889	897	269
25°	96	102	105	103	98	50
35°	13	15	21	15	14	9
45°	2	3	4	3	3	2
55°	1	1	1	1	1	1
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°	4956.2	4956.2	4956.2	4956.2	4956.2
1°	4916.1	4905.5	4917.7	4908.2	4910.3
2°	4788.7	4782.9	4798.8	4788.7	4794.0
3°	4611.7	4604.3	4615.9	4616.5	4631.3
4°	4400.3	4386.1	4403.5	4404.0	4406.7
5°	4161.5	4165.2	4163.1	4177.3	4160.9
6°	3893.0	3905.2	3889.3	3897.3	3874.5
7°	3592.9	3577.5	3569.6	3572.3	3588.1
8°	3261.5	3251.0	3262.6	3246.2	3235.1
9°	2893.2	2874.7	2887.4	2871.5	2855.7
10°	2506.9	2498.5	2495.3	2477.3	2501.1
11°	2119.6	2094.2	2106.9	2097.9	2123.8
12°	1757.1	1759.2	1734.3	1742.3	1745.4
13°	1430.0	1396.1	1400.4	1422.0	1425.7
14°	1109.2	1114.0	1115.5	1130.9	1139.8
15°	866.1	869.8	869.8	888.8	896.8
17.5°	464.5	464.5	474.5	476.7	477.7
20°	264.7	266.3	272.1	271.6	266.3
22.5°	158.5	161.7	164.9	161.7	158.5
25°	95.6	102.0	104.6	103.0	98.3
27.5°	57.1	63.9	71.3	65.5	56.5
30°	35.4	39.1	50.2	40.2	37.0
32.5°	19.6	25.4	34.3	26.4	20.1
35°	12.7	15.3	21.1	15.3	13.7
37.5°	9.0	10.6	13.2	11.1	9.5
40°	6.3	7.4	8.5	7.9	6.3
42.5°	4.2	5.3	5.8	5.3	4.2
45°	2.1	3.2	3.7	3.2	2.6
47.5°	1.1	1.6	2.6	1.6	1.1
50°	1.1	1.1	1.6	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	0.5	1.1	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.5
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)