

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: P1326890

Luminaire Tested: LDSQA3D09R50W2N902750DE010 3LSQCDR1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

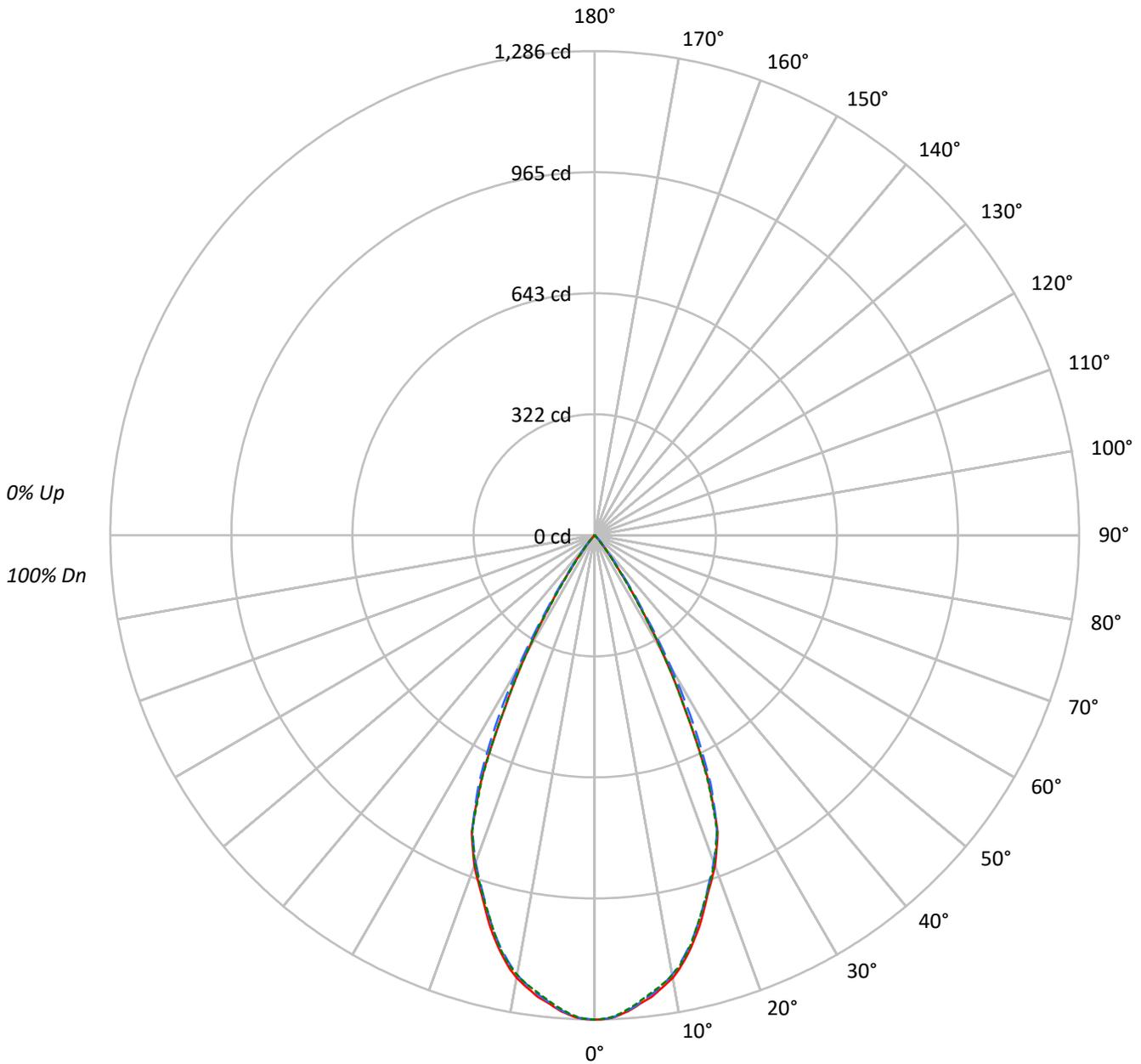
Test Method: LM-79-2019  
Report Number: P1326890  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R50W2N902750DE010 3LSQCDR1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K 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): 0.85 / 0.85 / 0.78  
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 (A<sub>in</sub>): 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	221547	221547	221547
5°	217207	216792	216187
10°	208701	207267	207372
15°	191581	189798	189602
20°	171161	169328	170190
25°	134520	138434	133399
30°	71969	80640	72208
35°	23505	27458	22139
40°	5823	7284	5553
45°	706	2582	706
50°	482	777	482
55°	540	540	540
60°	413	413	413
65°	489	489	489
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2582 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.6	14.2
10°-20°	297.5	35.9
20°-30°	312.9	37.7
30°-40°	90.2	10.9
40°-50°	7.3	0.9
50°-60°	1.6	0.2
60°-70°	1.2	0.1
70°-80°	0.6	0.1
80°-90°	0.2	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°	728.0	87.8
0°-40°	818.2	98.7
0°-60°	827.1	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°	1286	1286	1286	1286	1286	
5°	1256	1256	1254	1255	1250	118
15°	1074	1068	1064	1064	1063	299
25°	708	726	728	720	702	307
35°	112	116	131	112	105	86
45°	3	6	11	6	3	6
55°	2	2	2	2	2	2
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°	1286.4	1286.4	1286.4	1286.4	1286.4
1°	1285.8	1287.0	1284.6	1288.7	1285.2
2°	1282.8	1283.4	1282.3	1285.2	1280.5
3°	1275.8	1277.0	1274.6	1277.0	1272.8
4°	1267.5	1267.5	1265.2	1267.0	1261.7
5°	1256.4	1255.8	1254.0	1255.2	1250.5
6°	1244.6	1244.0	1241.1	1241.1	1237.5
7°	1235.8	1231.7	1229.3	1228.7	1225.2
8°	1221.6	1220.5	1215.8	1215.8	1213.4
9°	1207.5	1206.3	1201.1	1202.2	1200.5
10°	1193.4	1189.3	1185.2	1185.8	1185.8
11°	1174.6	1171.0	1165.2	1167.5	1168.7
12°	1152.2	1148.1	1142.8	1147.5	1146.9
13°	1127.5	1124.0	1119.8	1123.4	1122.2
14°	1101.6	1096.3	1092.8	1095.1	1094.0
15°	1074.5	1067.5	1064.5	1064.5	1063.4
17.5°	998.6	994.5	991.6	989.8	993.9
20°	933.9	930.4	923.9	925.7	928.6
22.5°	852.7	852.1	848.6	845.6	849.2
25°	707.9	725.6	728.5	720.3	702.0
27.5°	514.3	555.5	570.2	550.8	517.3
30°	361.9	381.3	405.5	367.2	363.1
32.5°	218.3	223.6	246.0	219.5	213.6
35°	111.8	115.9	130.6	111.8	105.3
37.5°	52.4	54.7	60.6	52.4	48.8
40°	25.9	28.8	32.4	27.1	24.7
42.5°	11.2	14.7	18.8	14.1	10.0
45°	2.9	5.9	10.6	5.9	2.9
47.5°	1.8	2.4	5.9	2.4	1.8
50°	1.8	1.8	2.9	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.2	1.8	1.2	1.8	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
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°	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.6	0.0	0.6	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)