

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: P1326881

Luminaire Tested: LDSQA3D09R50W2N902750DE010 3LSQCDR1MMS\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326881  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R50W2N902750DE010 3LSQCDR1MMS\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,  
3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

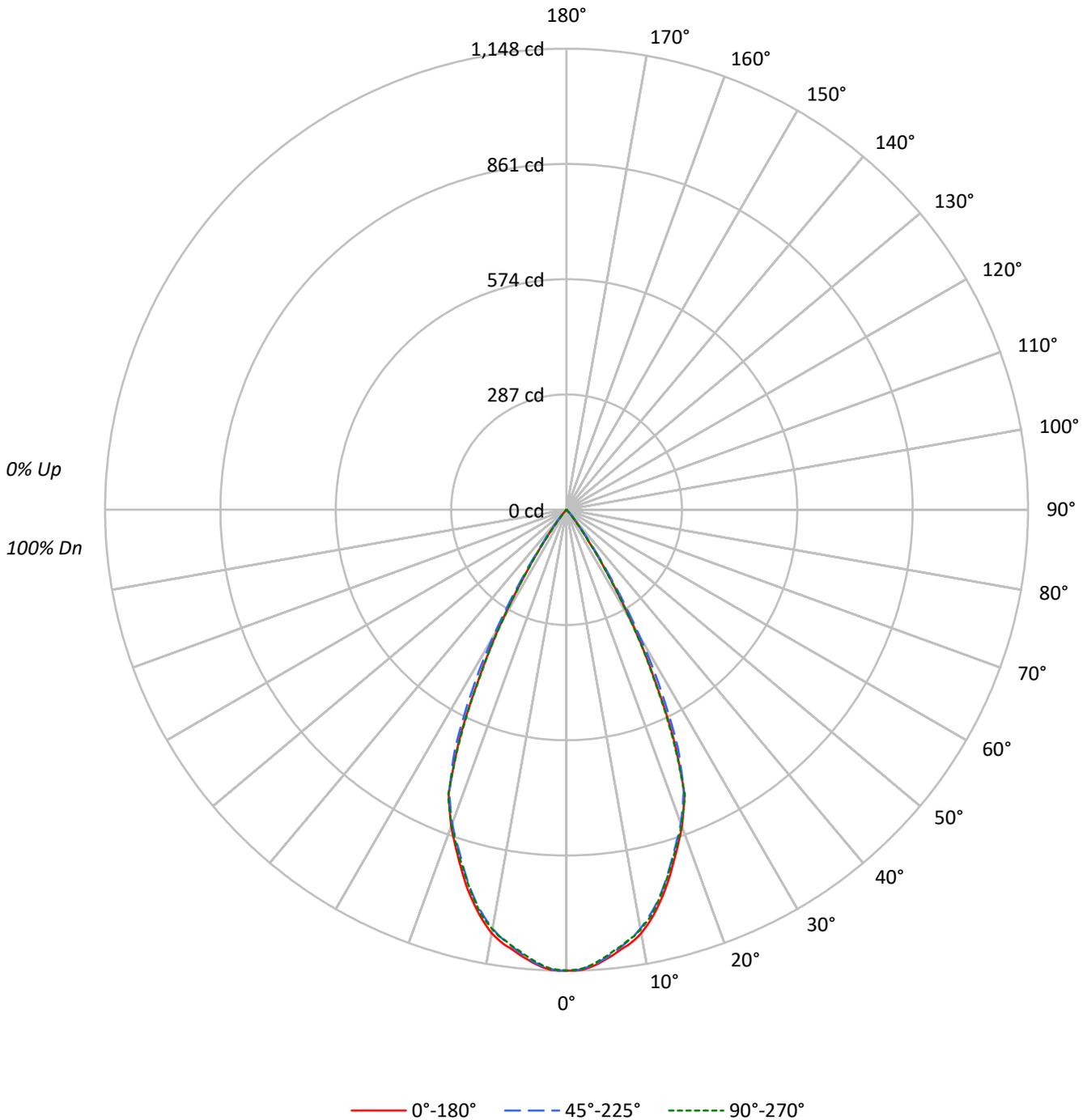
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 739.0 lumens  
Efficiency: N/A  
Efficacy: 82.1 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 (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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59

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

	0°	45°	90°
0°	197643	197643	197643
5°	194197	193643	193090
10°	187296	185250	185617
15°	172289	170114	170596
20°	153841	152394	153273
25°	119736	124753	118425
30°	64850	72427	63697
35°	20457	24346	19994
40°	4519	6295	4272
45°	122	1924	122
50°	0	295	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: 1924 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.1	14.2
10°-20°	267.1	36.1
20°-30°	281.4	38.1
30°-40°	80.4	10.9
40°-50°	5.0	0.7
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°	653.6	88.5
0°-40°	734.0	99.3
0°-60°	739.0	100.0
0°-90°	739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	739.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1148	1148	1148	1148	1148	
5°	1123	1122	1120	1119	1117	106
15°	966	960	954	956	957	269
25°	630	653	656	649	623	276
35°	97	104	116	98	95	76
45°	0	3	8	3	0	3
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°	1147.6	1147.6	1147.6	1147.6	1147.6
1°	1148.1	1148.7	1147.6	1148.7	1146.0
2°	1146.5	1145.5	1144.4	1145.0	1143.4
3°	1140.7	1140.2	1138.1	1138.6	1136.5
4°	1133.3	1131.7	1130.2	1129.1	1127.0
5°	1123.3	1122.2	1120.1	1119.1	1116.9
6°	1114.8	1112.7	1109.0	1108.0	1105.8
7°	1103.7	1102.7	1097.9	1096.9	1095.8
8°	1095.3	1092.1	1086.3	1086.8	1084.2
9°	1084.2	1079.9	1074.1	1074.1	1074.7
10°	1071.0	1064.6	1059.3	1060.9	1061.4
11°	1053.5	1049.3	1041.4	1045.1	1045.1
12°	1034.5	1029.2	1023.4	1026.6	1028.7
13°	1012.3	1008.1	1002.8	1005.9	1004.9
14°	990.6	982.7	979.0	983.2	981.6
15°	966.3	959.9	954.1	955.7	956.8
17.5°	901.3	894.4	890.2	890.7	895.5
20°	839.4	836.8	831.5	833.6	836.3
22.5°	766.5	767.5	761.2	762.8	769.1
25°	630.1	653.4	656.5	649.1	623.2
27.5°	466.8	501.6	512.2	495.3	463.6
30°	326.1	335.7	364.2	332.0	320.3
32.5°	191.4	205.6	221.0	198.8	190.8
35°	97.3	104.1	115.8	98.3	95.1
37.5°	44.9	48.1	52.9	44.9	42.3
40°	20.1	23.8	28.0	22.7	19.0
42.5°	6.3	11.1	14.8	10.0	5.8
45°	0.5	2.6	7.9	2.6	0.5
47.5°	0.0	0.5	3.2	0.5	0.0
50°	0.0	0.0	1.1	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)