

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: P1327227

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCDR1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

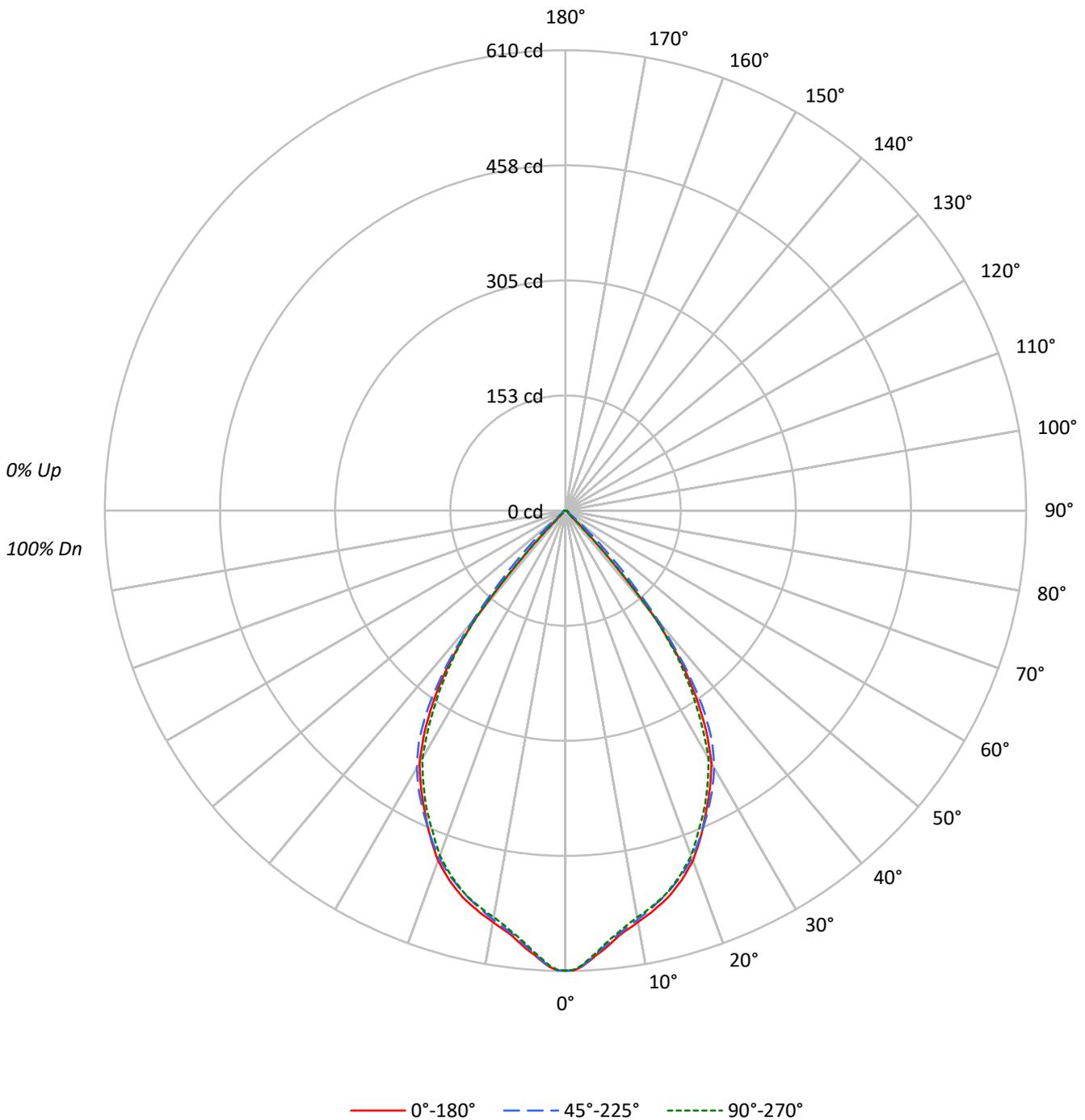
Test Method: LM-79-2019  
Report Number: P1327227  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R70W2N902750DE010 3LSQCDR1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 650.0 lumens  
Efficiency: N/A  
Efficacy: 72.2 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86	86	86	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79	79	79	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	73	73	73	73
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

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

	0°	45°	90°
0°	104987	104987	104987
5°	100910	100374	99994
10°	96813	96254	95607
15°	94373	93339	93250
20°	90428	89750	89164
25°	83726	84315	82719
30°	76901	78273	75330
35°	63410	66416	60971
40°	40378	43458	40378
45°	2825	18778	3093
50°	1286	3831	1286
55°	1441	1441	1441
60°	1447	1447	1447
65°	1304	1508	1304
70°	1309	1611	1309
75°	1397	1397	1397
80°	1587	1587	1587
85°	988	2174	988

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 18778 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.4	8.4
10°-20°	147.3	22.7
20°-30°	202.4	31.1
30°-40°	185.4	28.5
40°-50°	49.2	7.6
50°-60°	4.4	0.7
60°-70°	3.6	0.6
70°-80°	2.4	0.4
80°-90°	0.9	0.1
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°	404.1	62.2
0°-40°	589.5	90.7
0°-60°	643.1	98.9
0°-90°	650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	650.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	610	610	610	610	610	
5°	584	581	581	580	578	55
15°	529	525	524	524	523	148
25°	441	442	444	438	435	203
35°	302	306	316	302	290	183
45°	12	40	77	40	13	35
55°	5	5	5	5	5	4
65°	3	4	4	4	3	3
75°	2	2	2	2	2	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	609.6	609.6	609.6	609.6	609.6
1°	609.6	608.6	609.6	609.6	608.6
2°	604.9	603.8	604.3	603.8	603.3
3°	598.0	596.4	596.9	595.9	594.8
4°	590.1	588.5	588.5	587.9	586.9
5°	583.7	581.1	580.6	579.5	578.4
6°	576.3	573.7	573.2	571.6	570.5
7°	568.9	566.8	566.3	564.2	564.2
8°	563.1	560.5	560.5	557.8	557.8
9°	558.4	555.2	555.2	553.1	552.0
10°	553.6	550.4	550.4	547.8	546.7
11°	548.9	546.2	545.2	543.6	543.0
12°	544.6	540.9	539.9	539.3	538.3
13°	539.3	535.7	534.6	534.1	533.5
14°	534.6	529.8	529.3	528.3	528.8
15°	529.3	524.6	523.5	523.5	523.0
17.5°	512.9	509.8	508.2	507.1	506.1
20°	493.4	490.8	489.7	487.6	486.5
22.5°	468.0	467.5	467.0	464.3	460.1
25°	440.6	442.2	443.7	438.5	435.3
27.5°	414.2	418.4	420.0	414.7	407.8
30°	386.7	390.4	393.6	386.2	378.8
32.5°	347.1	356.0	360.8	352.3	335.4
35°	301.6	306.4	315.9	301.6	290.0
37.5°	248.8	251.5	258.8	249.3	241.4
40°	179.6	187.5	193.3	187.5	179.6
42.5°	80.8	113.0	127.8	119.4	84.5
45°	11.6	39.6	77.1	40.1	12.7
47.5°	4.8	6.3	40.1	5.8	4.8
50°	4.8	4.8	14.3	4.8	4.8
52.5°	4.8	4.8	5.3	4.8	4.8
55°	4.8	4.8	4.8	4.8	4.8
57.5°	4.2	4.2	4.8	4.2	4.2
60°	4.2	4.2	4.2	4.2	4.2
62.5°	3.7	4.2	4.2	4.2	3.7
65°	3.2	3.7	3.7	3.7	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	2.6	3.2	3.2	3.2	2.6
72.5°	2.6	2.6	2.6	2.6	2.6
75°	2.1	2.1	2.1	2.1	2.1
77.5°	1.6	2.1	2.1	2.1	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	1.1	1.1	1.1	0.5
87.5°	0.5	0.5	0.5	0.5	0.5



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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)