

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: P1327218

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCDR1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

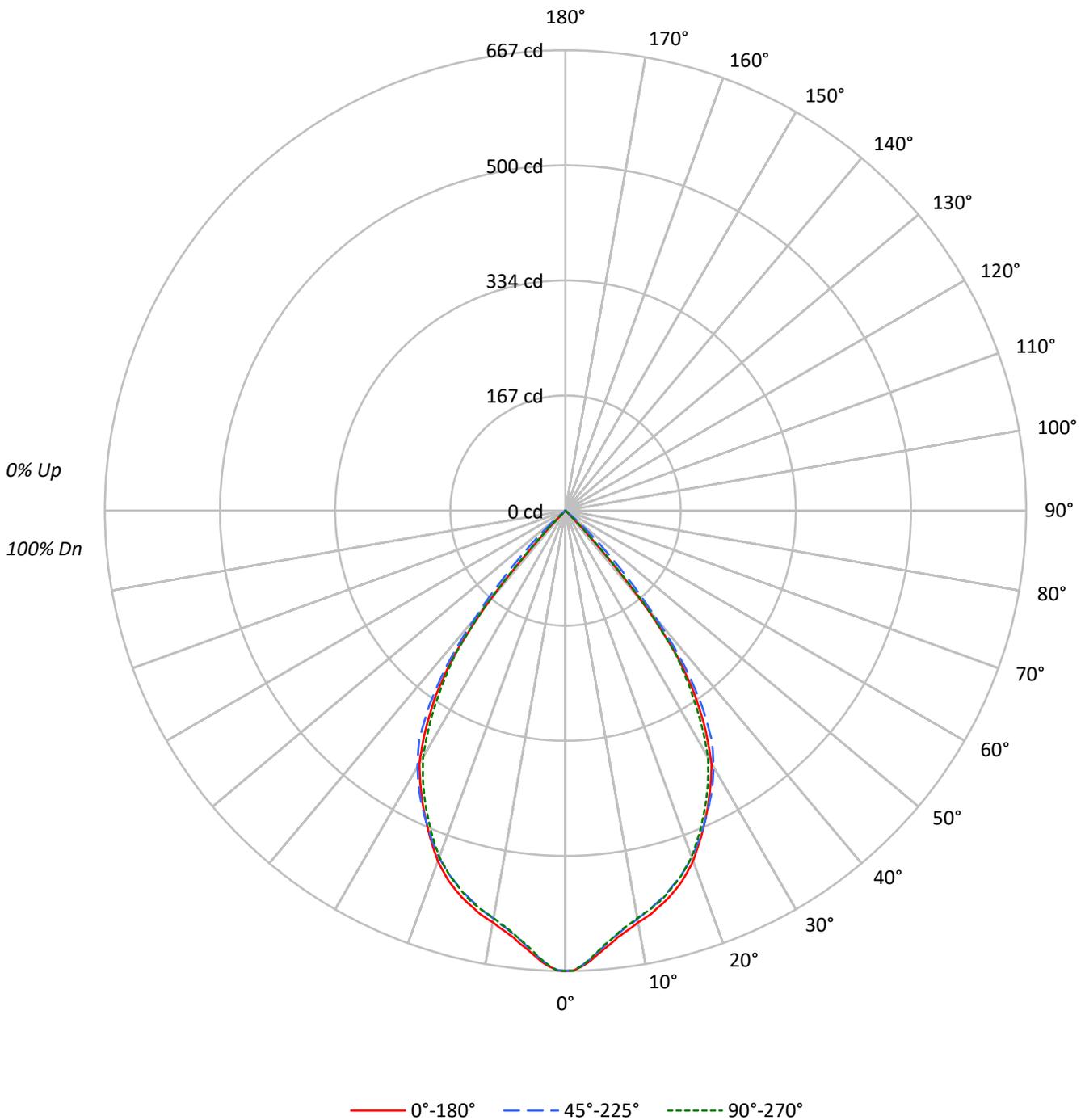
Test Method: LM-79-2019  
Report Number: P1327218  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R70W2N902750DE010 3LSQCDR1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 690.0 lumens  
Efficiency: N/A  
Efficacy: 76.7 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48

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

	0°	45°	90°
0°	114855	114855	114855
5°	110263	109658	109347
10°	105924	104998	104805
15°	103413	101951	102165
20°	99024	98071	97851
25°	91916	92144	90700
30°	84120	85293	82032
35°	68813	72135	66122
40°	39613	46178	40670
45°	560	19192	1997
50°	0	2036	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: 19192 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.5	8.6
10°-20°	161.2	23.4
20°-30°	221.5	32.1
30°-40°	200.8	29.1
40°-50°	46.7	6.8
50°-60°	0.2	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°	442.2	64.1
0°-40°	643.1	93.2
0°-60°	690.0	100.0
0°-90°	690.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	690.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	667	667	667	667	667	
5°	638	636	634	633	632	60
15°	580	576	572	572	573	163
25°	484	486	485	480	477	222
35°	327	332	343	328	314	197
45°	2	26	79	34	8	28
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°	666.9	666.9	666.9	666.9	666.9
1°	666.4	665.2	665.8	666.4	666.9
2°	661.1	659.9	659.9	660.5	660.5
3°	654.7	652.4	652.4	651.8	651.8
4°	645.9	644.2	643.0	642.4	642.4
5°	637.8	636.0	634.3	633.1	632.5
6°	630.8	627.8	625.5	624.9	625.5
7°	622.6	620.8	618.5	616.8	617.3
8°	616.8	614.4	611.5	610.3	610.3
9°	611.5	609.2	606.3	603.9	605.1
10°	605.7	603.3	600.4	598.7	599.3
11°	601.6	598.7	595.2	594.0	594.6
12°	596.9	593.4	589.9	589.3	590.5
13°	591.1	587.6	584.1	584.1	585.3
14°	585.8	581.8	578.3	578.3	580.0
15°	580.0	575.9	571.8	571.8	573.0
17.5°	562.5	559.0	554.9	554.9	555.5
20°	540.3	538.6	535.1	533.3	533.9
22.5°	512.3	512.3	510.6	507.6	506.5
25°	483.7	486.1	484.9	480.2	477.3
27.5°	454.0	458.1	458.6	451.6	446.4
30°	423.0	426.5	428.9	420.7	412.5
32.5°	377.5	388.0	393.9	382.8	365.9
35°	327.3	332.0	343.1	328.5	314.5
37.5°	266.1	271.9	281.2	269.6	261.4
40°	176.2	199.6	205.4	199.6	180.9
42.5°	63.6	112.0	134.8	114.4	74.7
45°	2.3	26.3	78.8	33.8	8.2
47.5°	0.0	0.6	35.6	1.2	0.0
50°	0.0	0.0	7.6	0.0	0.0
52.5°	0.0	0.0	0.6	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)