

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: P1326986

Luminaire Tested: LDSQA3D09R55W2N902750DE010 3LSQCDR1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

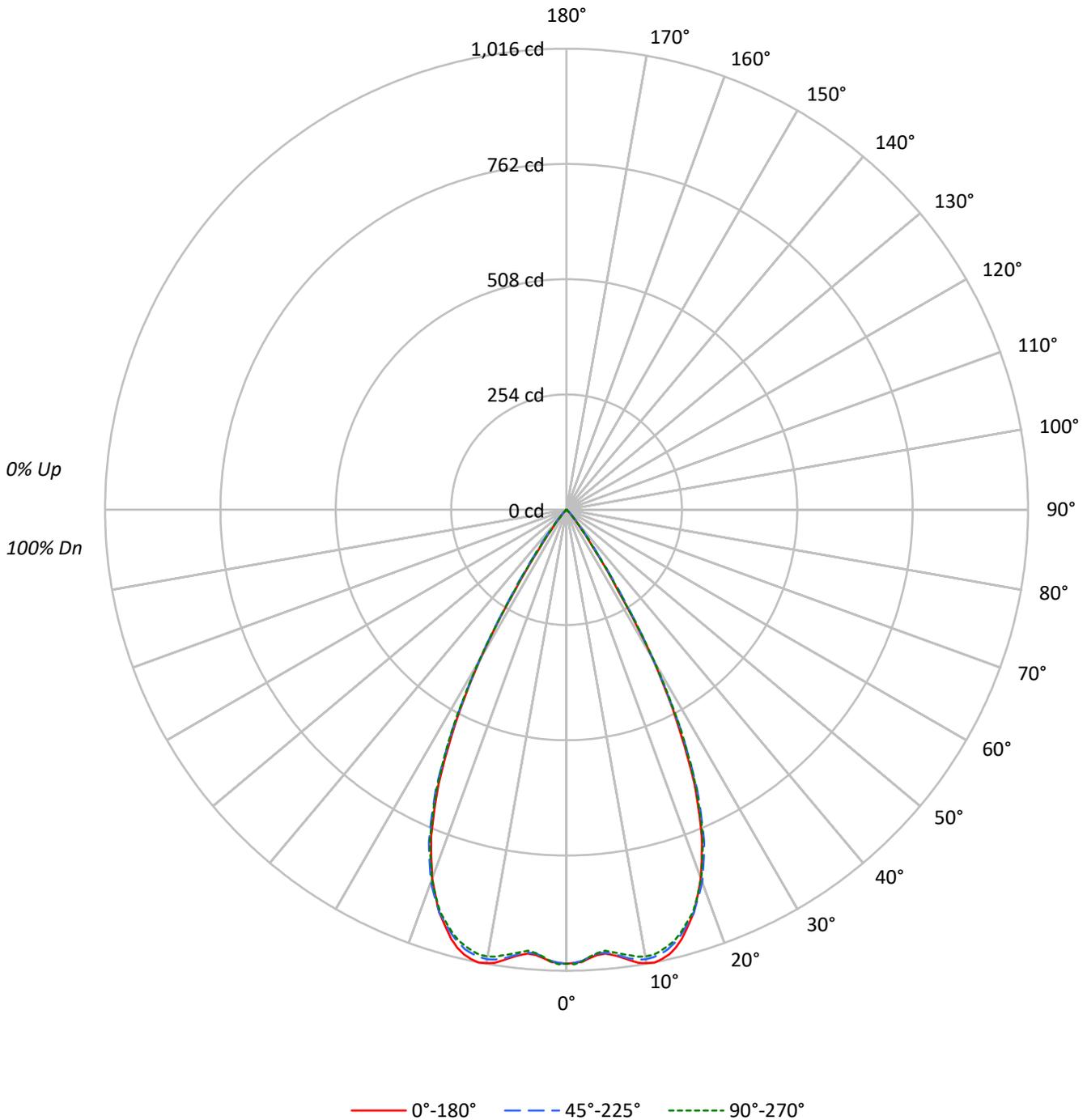
Test Method: LM-79-2019  
Report Number: P1326986  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R55W2N902750DE010 3LSQCDR1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 767.0 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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	102	102	102	100
1	114	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	172257	172257	172257
5°	169786	169492	168680
10°	177468	175929	174810
15°	174696	173127	172396
20°	158405	160018	158827
25°	126672	129332	128116
30°	75967	75967	76901
35°	21950	25986	22685
40°	6295	8521	6295
45°	1413	3264	1413
50°	616	1099	455
55°	510	510	510
60°	586	586	586
65°	489	489	489
70°	604	604	604
75°	399	399	399
80°	595	595	595
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3264 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.8	12.4
10°-20°	270.3	35.2
20°-30°	297.8	38.8
30°-40°	91.1	11.9
40°-50°	9.0	1.2
50°-60°	1.6	0.2
60°-70°	1.3	0.2
70°-80°	0.8	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°	662.9	86.4
0°-40°	754.0	98.3
0°-60°	764.6	99.7
0°-90°	767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1000	1000	1000	1000	1000	
5°	982	982	980	977	976	95
15°	980	978	971	967	967	272
25°	667	673	681	687	674	294
35°	104	110	124	114	108	86
45°	6	9	13	9	6	7
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°	1000.2	1000.2	1000.2	1000.2	1000.2
1°	999.0	999.6	999.0	997.9	1001.9
2°	996.7	996.1	994.4	993.8	995.5
3°	989.1	989.1	986.8	985.6	986.2
4°	983.3	983.3	979.8	978.6	979.2
5°	982.1	982.1	980.4	977.4	975.7
6°	986.8	987.9	983.9	980.9	980.9
7°	993.8	994.4	991.4	987.4	986.2
8°	1002.5	1003.1	998.4	993.8	991.4
9°	1011.3	1010.1	1003.7	999.0	997.3
10°	1014.8	1014.2	1006.0	1001.4	999.6
11°	1016.5	1013.6	1004.3	1000.2	999.6
12°	1012.4	1010.1	1000.2	996.1	994.4
13°	1005.4	1001.9	993.8	989.7	987.4
14°	994.4	990.9	983.3	978.6	979.2
15°	979.8	978.0	971.0	966.9	966.9
17.5°	931.4	932.5	930.8	929.0	927.9
20°	864.3	869.0	873.1	870.7	866.6
22.5°	778.6	786.7	791.4	792.6	785.0
25°	666.6	673.0	680.6	687.0	674.2
27.5°	527.2	533.0	540.0	544.1	542.4
30°	382.0	382.6	382.0	389.6	386.7
32.5°	212.3	229.8	232.7	237.9	219.3
35°	104.4	109.6	123.6	113.7	107.9
37.5°	50.2	53.7	67.1	54.8	52.5
40°	28.0	30.3	37.9	31.5	28.0
42.5°	13.4	17.5	20.4	18.1	13.4
45°	5.8	8.7	13.4	8.7	5.8
47.5°	2.3	3.5	8.2	3.5	2.3
50°	2.3	1.7	4.1	1.7	1.7
52.5°	1.7	1.7	2.3	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.2	1.7	1.7	1.7	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°	1.2	1.2	1.2	1.2	1.2
72.5°	0.6	1.2	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°	0.6	0.6	0.6	0.6	0.6
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)