

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: P1327041

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCDR1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

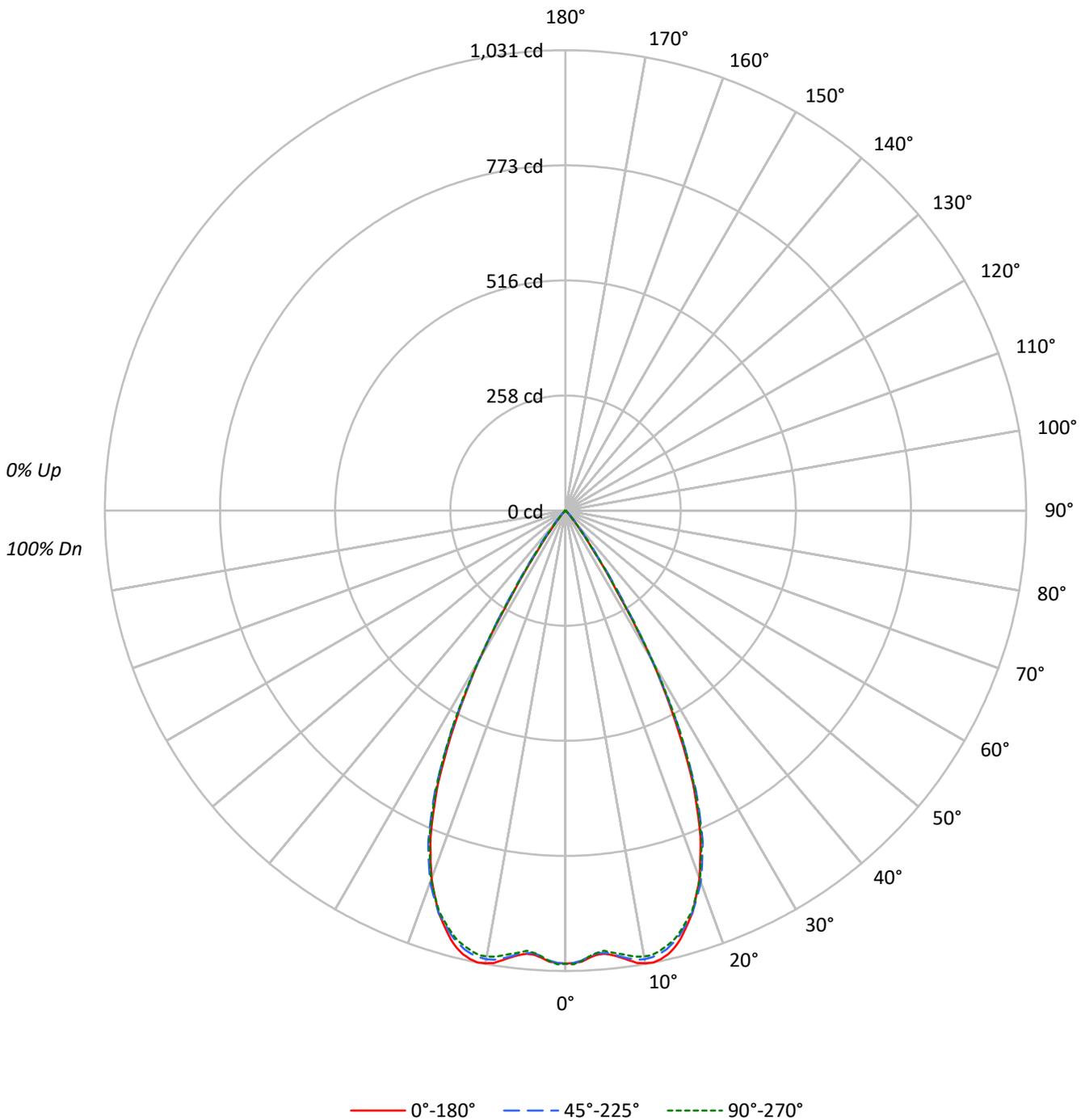
Test Method: LM-79-2019  
Report Number: P1327041  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R55W2N902765DE010 3LSQCDR1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 778.1 lumens  
Efficiency: N/A  
Efficacy: 86.5 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°	174720	174720	174720
5°	172224	171912	171100
10°	180003	178447	177310
15°	177193	175624	174875
20°	160678	162309	161117
25°	128496	131194	129940
30°	77060	77060	77995
35°	22265	26365	23001
40°	6385	8656	6385
45°	1437	3312	1437
50°	643	1099	482
55°	540	540	540
60°	620	620	620
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: 3312 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.2	12.4
10°-20°	274.2	35.2
20°-30°	302.1	38.8
30°-40°	92.4	11.9
40°-50°	9.1	1.2
50°-60°	1.7	0.2
60°-70°	1.4	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
<b>0°-30°</b>	<b>672.4</b>	<b>86.4</b>
<b>0°-40°</b>	<b>764.8</b>	<b>98.3</b>
<b>0°-60°</b>	<b>775.7</b>	<b>99.7</b>
<b>0°-90°</b>	<b>778.1</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>778.1</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1014	1014	1014	1014	1014	
5°	996	996	994	992	990	97
15°	994	992	985	981	981	275
25°	676	683	690	697	684	298
35°	106	111	125	115	109	87
45°	6	9	14	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°	1014.5	1014.5	1014.5	1014.5	1014.5
1°	1013.3	1013.9	1013.3	1012.2	1016.3
2°	1011.0	1010.4	1008.6	1008.0	1009.8
3°	1003.3	1003.3	1000.9	999.7	1000.3
4°	997.4	997.4	993.8	992.6	993.2
5°	996.2	996.2	994.4	991.5	989.7
6°	1000.9	1002.1	998.0	995.0	995.0
7°	1008.0	1008.6	1005.7	1001.5	1000.3
8°	1016.9	1017.5	1012.8	1008.0	1005.7
9°	1025.8	1024.6	1018.1	1013.3	1011.6
10°	1029.3	1028.7	1020.4	1015.7	1013.9
11°	1031.1	1028.1	1018.7	1014.5	1013.9
12°	1027.0	1024.6	1014.5	1010.4	1008.6
13°	1019.9	1016.3	1008.0	1003.9	1001.5
14°	1008.6	1005.1	997.4	992.6	993.2
15°	993.8	992.1	985.0	980.8	980.8
17.5°	944.7	945.9	944.1	942.4	941.2
20°	876.7	881.4	885.6	883.2	879.1
22.5°	789.7	798.0	802.8	803.9	796.2
25°	676.2	682.7	690.4	696.9	683.8
27.5°	534.8	540.7	547.8	551.9	550.2
30°	387.5	388.1	387.5	395.2	392.2
32.5°	215.3	233.1	236.0	241.4	222.4
35°	105.9	111.2	125.4	115.4	109.4
37.5°	50.9	54.4	68.0	55.6	53.2
40°	28.4	30.8	38.5	31.9	28.4
42.5°	13.6	17.7	20.7	18.3	13.6
45°	5.9	8.9	13.6	8.9	5.9
47.5°	2.4	3.5	8.3	3.5	2.4
50°	2.4	1.8	4.1	1.8	1.8
52.5°	1.8	1.8	2.4	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°	1.8	1.8	1.8	1.8	1.8
62.5°	1.2	1.8	1.8	1.8	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)