

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: P1327028

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCDR1MB\_3500K

Issue Date: 1/29/2026

**Test Information**

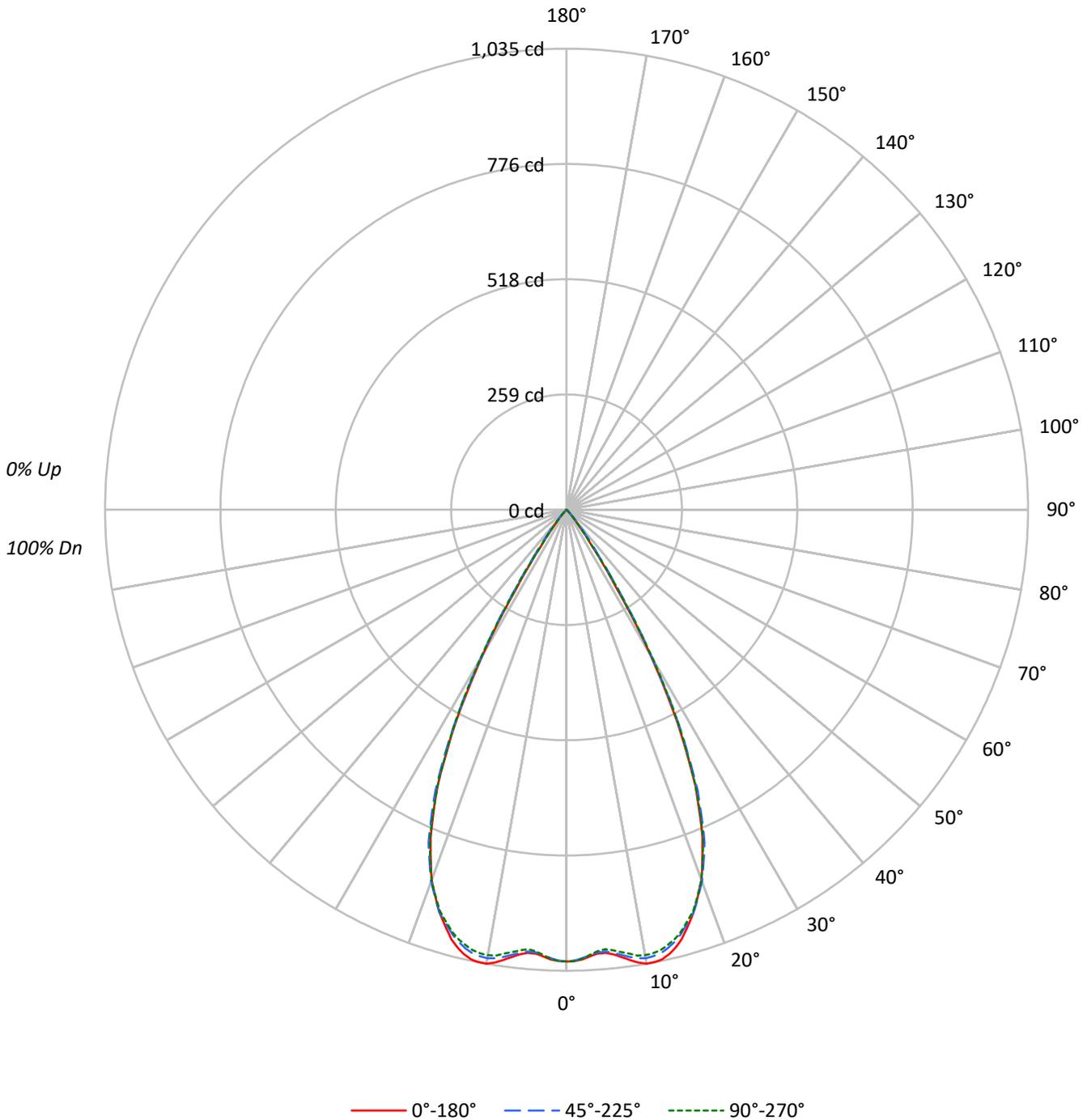
Test Method: LM-79-2019  
Report Number: P1327028  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R55W2N902765DE010 3LSQCDR1MB\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 90CRI ,  
3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 771.0 lumens  
Efficiency: N/A  
Efficacy: 85.7 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
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	112	109	107	112	109	107	106	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	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	174651	174651	174651
5°	172656	172154	171238
10°	180983	178797	177555
15°	177959	176069	175427
20°	162107	162749	162217
25°	130054	132069	130054
30°	74634	76523	77120
35°	21277	25650	21908
40°	5463	7846	5598
45°	585	2728	438
50°	0	482	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: 2728 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.3	12.5
10°-20°	274.8	35.6
20°-30°	302.6	39.3
30°-40°	90.3	11.7
40°-50°	6.9	0.9
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
<b>0°-30°</b>	<b>673.7</b>	<b>87.4</b>
0°-40°	764.0	99.1
0°-60°	771.0	100.0
<b>0°-90°</b>	<b>771.0</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>
0°-180°	771.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1014	1014	1014	1014	1014	
5°	999	997	996	992	990	97
15°	998	991	988	983	984	277
25°	684	684	695	694	684	300
35°	101	108	122	111	104	84
45°	2	6	11	6	2	5
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°	1014.1	1014.1	1014.1	1014.1	1014.1
1°	1013.5	1013.5	1012.4	1011.8	1013.5
2°	1010.6	1010.6	1007.6	1007.0	1008.8
3°	1004.1	1003.5	1001.1	999.3	1000.5
4°	998.7	997.6	995.8	992.8	993.4
5°	998.7	997.0	995.8	991.6	990.5
6°	1003.5	1002.3	999.9	995.8	994.6
7°	1011.8	1009.4	1007.0	1001.7	1000.5
8°	1020.6	1018.9	1014.1	1008.8	1006.4
9°	1029.5	1025.4	1019.5	1014.1	1013.5
10°	1034.9	1028.9	1022.4	1015.9	1015.3
11°	1034.3	1028.9	1021.2	1015.3	1014.7
12°	1031.9	1024.2	1017.7	1010.6	1011.2
13°	1023.6	1016.5	1010.0	1004.7	1003.5
14°	1012.4	1005.8	999.9	994.6	995.2
15°	998.1	991.0	987.5	983.3	983.9
17.5°	947.8	946.0	947.8	943.1	944.9
20°	884.5	882.7	888.0	885.7	885.1
22.5°	796.3	798.6	808.7	805.7	800.4
25°	684.4	684.4	695.0	693.8	684.4
27.5°	538.7	542.9	549.4	552.4	545.3
30°	375.3	384.8	384.8	390.7	387.8
32.5°	209.6	229.7	234.4	237.4	225.6
35°	101.2	107.7	122.0	111.3	104.2
37.5°	48.5	51.5	65.7	53.3	49.7
40°	24.3	27.8	34.9	29.0	24.9
42.5°	10.1	14.8	18.4	14.8	10.1
45°	2.4	5.9	11.2	5.9	1.8
47.5°	0.0	0.6	5.3	1.2	0.0
50°	0.0	0.0	1.8	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)