

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: P1327031

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCDR1MB\_6500K

Issue Date: 1/29/2026

**Test Information**

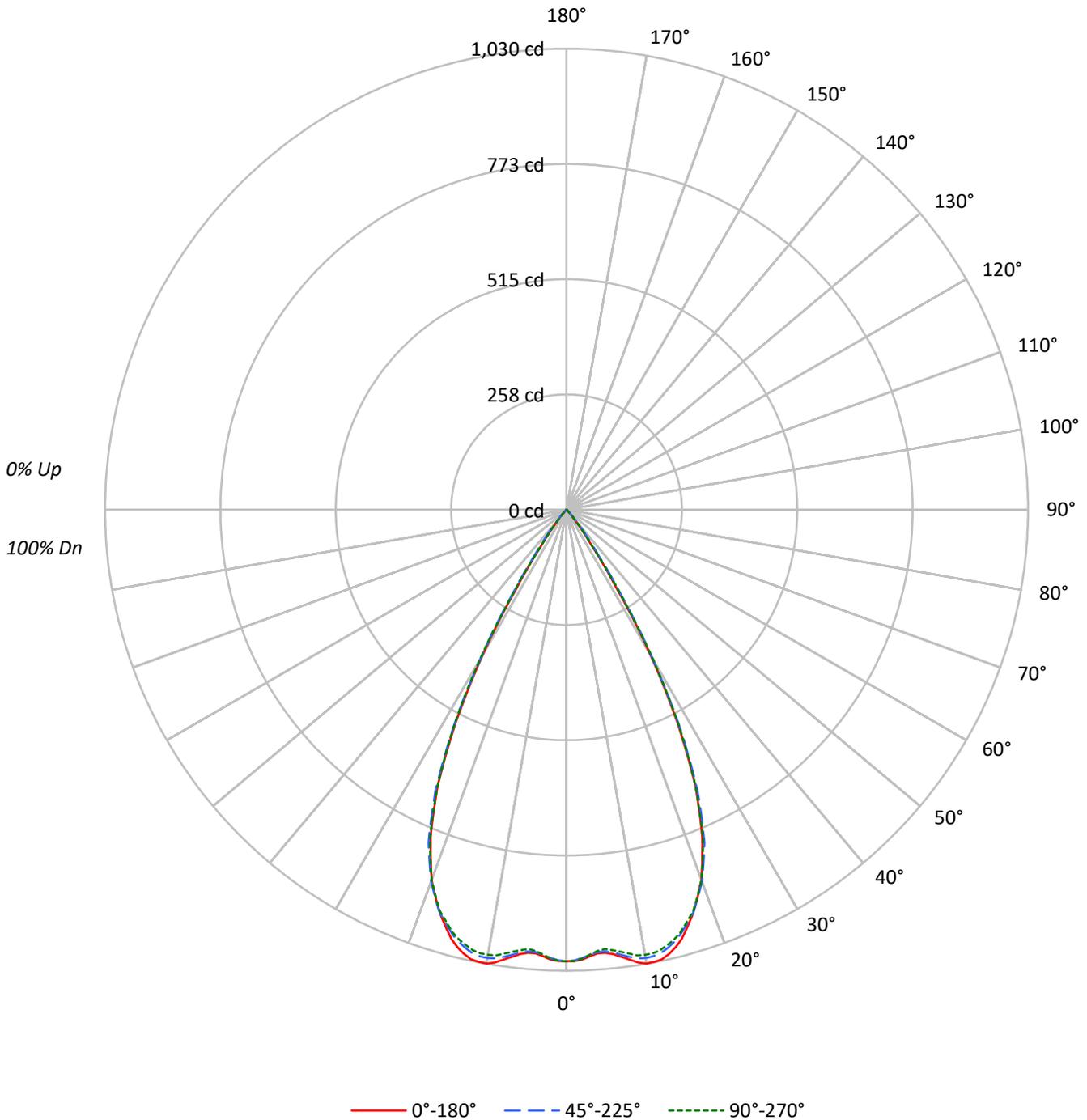
Test Method: LM-79-2019  
Report Number: P1327031  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R55W2N902765DE010 3LSQCDR1MB\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 6500K CCT AND, 90CRI ,  
3LSQCDR1MB 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 / 0.81  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	58

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

	0°	45°	90°
0°	173755	173755	173755
5°	171774	171255	170339
10°	180038	177870	176628
15°	177050	175160	174518
20°	161264	161906	161374
25°	129370	131384	129370
30°	74256	76126	76722
35°	21172	25503	21802
40°	5418	7801	5553
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°	95.8	12.5
10°-20°	273.3	35.6
20°-30°	301.1	39.3
30°-40°	89.9	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
0°-30°	670.2	87.4
0°-40°	760.0	99.1
0°-60°	767.0	100.0
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°	1009	1009	1009	1009	1009	
5°	994	992	991	986	985	96
15°	993	986	982	978	979	275
25°	681	681	691	690	681	298
35°	101	107	121	111	104	83
45°	2	6	11	6	2	4
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°	1008.9	1008.9	1008.9	1008.9	1008.9
1°	1008.3	1008.3	1007.1	1006.5	1008.3
2°	1005.3	1005.3	1002.4	1001.8	1003.6
3°	998.9	998.3	995.9	994.1	995.3
4°	993.6	992.4	990.6	987.7	988.3
5°	993.6	991.8	990.6	986.5	985.3
6°	998.3	997.1	994.7	990.6	989.4
7°	1006.5	1004.2	1001.8	996.5	995.3
8°	1015.3	1013.6	1008.9	1003.6	1001.2
9°	1024.2	1020.1	1014.2	1008.9	1008.3
10°	1029.5	1023.6	1017.1	1010.6	1010.0
11°	1028.9	1023.6	1015.9	1010.0	1009.5
12°	1026.5	1018.9	1012.4	1005.3	1005.9
13°	1018.3	1011.2	1004.7	999.4	998.3
14°	1007.1	1000.6	994.7	989.4	990.0
15°	993.0	985.9	982.4	978.2	978.8
17.5°	942.9	941.1	942.9	938.2	940.0
20°	879.9	878.1	883.4	881.1	880.5
22.5°	792.1	794.5	804.5	801.6	796.3
25°	680.8	680.8	691.4	690.2	680.8
27.5°	535.9	540.1	546.5	549.5	542.4
30°	373.4	382.8	382.8	388.7	385.8
32.5°	208.5	228.5	233.2	236.2	224.4
35°	100.7	107.2	121.3	110.7	103.7
37.5°	48.3	51.2	65.4	53.0	49.5
40°	24.1	27.7	34.7	28.9	24.7
42.5°	10.0	14.7	18.3	14.7	10.0
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)