

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: P1326941

Luminaire Tested: LDSQA3D09R50W2N902765DE010 3LSQCDR1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

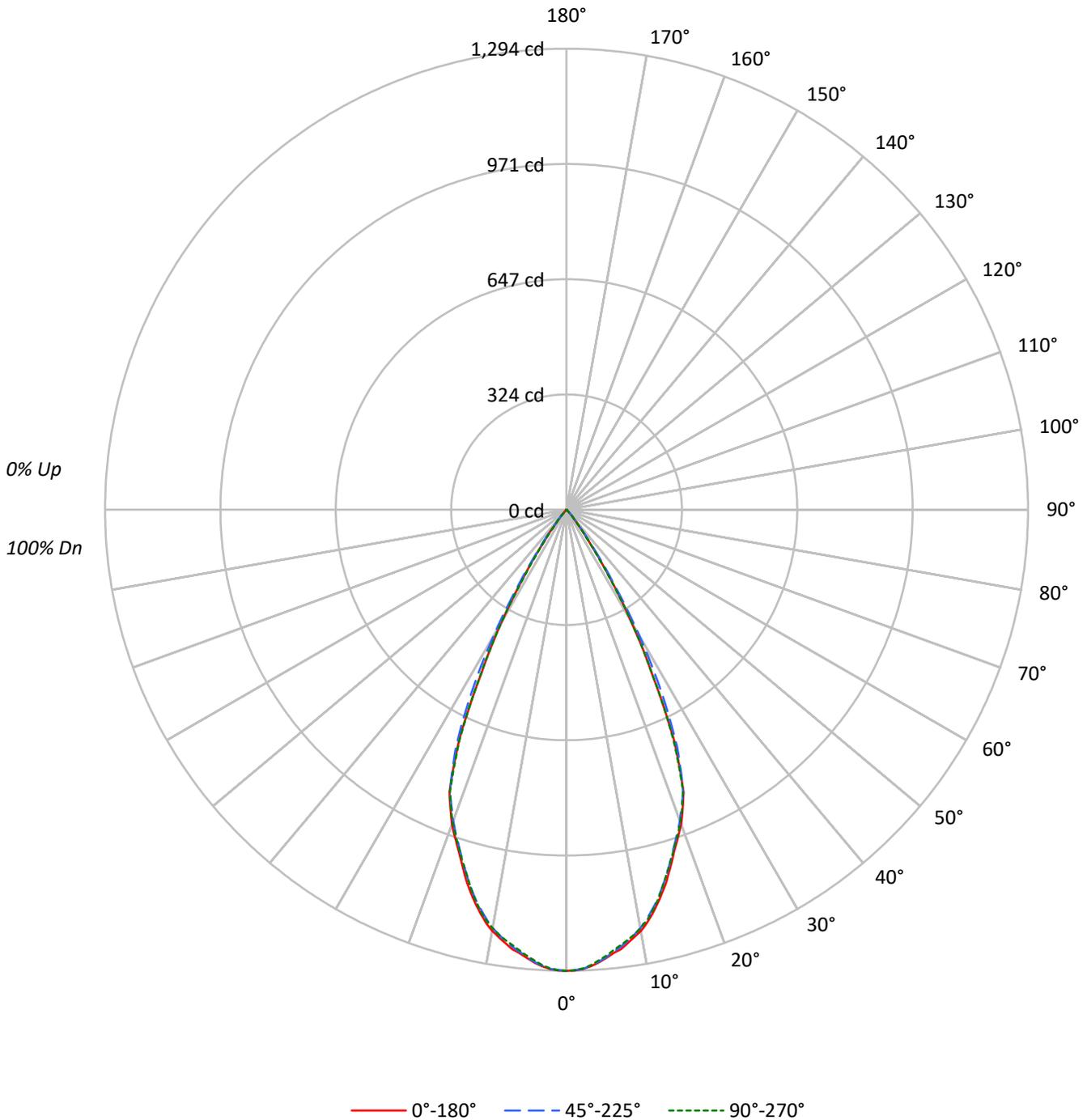
Test Method: LM-79-2019  
Report Number: P1326941  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R50W2N902765DE010 3LSQCDR1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3500K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 834.1 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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				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	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	222873	222873	222873
5°	218504	218106	217484
10°	209960	208509	208614
15°	192740	190957	190743
20°	172187	170355	171216
25°	135337	139271	134216
30°	72407	81117	72646
35°	23653	27626	22286
40°	5845	7329	5598
45°	731	2606	731
50°	482	804	482
55°	540	540	540
60°	413	413	413
65°	489	489	489
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2606 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.3	14.2
10°-20°	299.3	35.9
20°-30°	314.8	37.7
30°-40°	90.7	10.9
40°-50°	7.4	0.9
50°-60°	1.6	0.2
60°-70°	1.2	0.1
70°-80°	0.6	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°	732.4	87.8
0°-40°	823.1	98.7
0°-60°	832.1	99.8
0°-90°	834.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	834.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1264	1263	1262	1263	1258	119
15°	1081	1074	1071	1071	1070	301
25°	712	730	733	725	706	309
35°	112	117	131	112	106	87
45°	3	6	11	6	3	6
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°	1294.1	1294.1	1294.1	1294.1	1294.1
1°	1293.5	1294.7	1292.4	1296.5	1293.0
2°	1290.6	1291.2	1290.0	1293.0	1288.2
3°	1283.5	1284.7	1282.3	1284.7	1280.5
4°	1275.2	1275.2	1272.8	1274.6	1269.3
5°	1263.9	1263.4	1261.6	1262.8	1258.0
6°	1252.1	1251.5	1248.6	1248.6	1245.0
7°	1243.2	1239.1	1236.7	1236.1	1232.6
8°	1229.0	1227.8	1223.1	1223.1	1220.7
9°	1214.8	1213.6	1208.3	1209.5	1207.7
10°	1200.6	1196.5	1192.3	1192.9	1192.9
11°	1181.7	1178.1	1172.2	1174.6	1175.7
12°	1159.2	1155.0	1149.7	1154.4	1153.8
13°	1134.3	1130.7	1126.6	1130.2	1129.0
14°	1108.2	1102.9	1099.4	1101.7	1100.6
15°	1081.0	1073.9	1071.0	1071.0	1069.8
17.5°	1004.6	1000.5	997.5	995.8	999.9
20°	939.5	936.0	929.5	931.2	934.2
22.5°	857.8	857.2	853.7	850.7	854.3
25°	712.2	730.0	732.9	724.6	706.3
27.5°	517.4	558.9	573.7	554.1	520.4
30°	364.1	383.6	407.9	369.4	365.3
32.5°	219.6	225.0	247.5	220.8	214.9
35°	112.5	116.6	131.4	112.5	106.0
37.5°	52.7	55.1	61.0	52.7	49.1
40°	26.0	29.0	32.6	27.2	24.9
42.5°	11.2	14.8	18.9	14.2	10.1
45°	3.0	5.9	10.7	5.9	3.0
47.5°	1.8	2.4	5.9	2.4	1.8
50°	1.8	1.8	3.0	1.8	1.8
52.5°	1.8	1.8	1.8	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°	1.2	1.8	1.2	1.8	1.2
62.5°	1.2	1.2	1.2	1.2	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°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	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°	0.0	0.6	0.0	0.6	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)