

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: P1326131

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQCDR1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

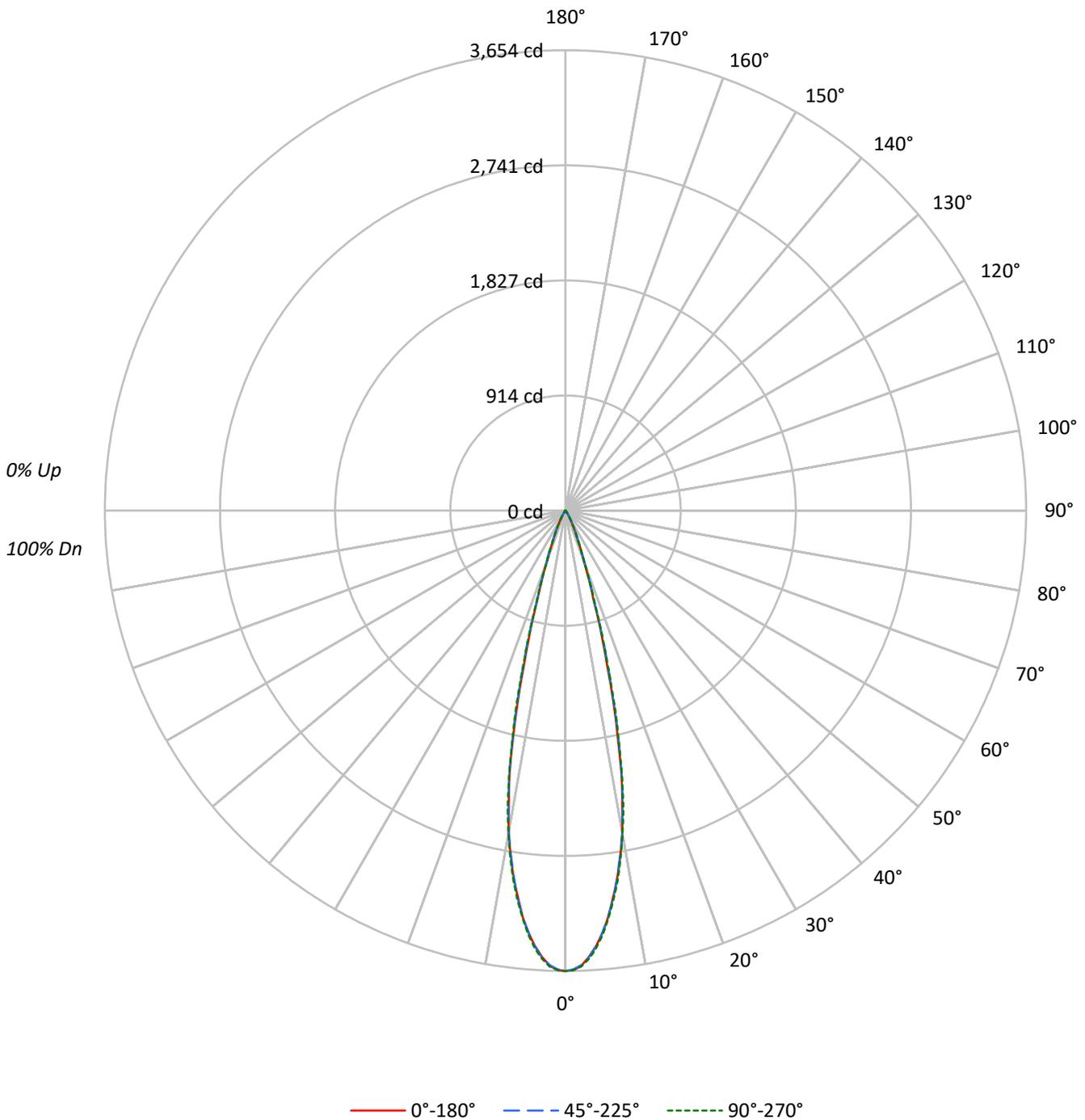
Test Method: LM-79-2019  
Report Number: P1326131  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R25W2N902750DE010 3LSQCDR1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 772.1 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
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 (A<sub>in</sub>): 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	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	99	99	97	97	97	95	94	94	94	91	91	91	89	89	89	87	87	87	86	86	86	84	84	84	82	82	82	80	80	80	78	78	78	76	76	76
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97	95	94	94	91	91	91	89	89	89	87	87	87	86	86	86	84	84	84	82	82	82	80	80	80	78	78	78	76	76	76				
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94	91	91	91	89	89	89	87	87	87	86	86	86	84	84	84	82	82	82	80	80	80	78	78	78	76	76	76							
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91	89	89	89	87	87	87	86	86	86	84	84	84	82	82	82	80	80	80	78	78	78	76	76	76										
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	87	87	87	86	86	86	84	84	84	82	82	82	80	80	80	78	78	78	76	76	76													
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86	84	84	84	82	82	82	80	80	80	78	78	78	76	76	76																			
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84	82	82	82	80	80	80	78	78	78	76	76	76																						
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82	80	80	80	78	78	78	76	76	76																									
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80	78	78	78	76	76	76																												
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78	76	76	76																															
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	76	76	76																																		

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

	0°	45°	90°
0°	629353	629353	629353
5°	581328	581121	584371
10°	454092	452868	455946
15°	228453	237992	237778
20°	78167	80330	79028
25°	31411	35326	32761
30°	12747	15213	12409
35°	3700	6686	3700
40°	1709	2900	1709
45°	585	1145	585
50°	322	482	322
55°	360	360	360
60°	413	413	413
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	595	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1145 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.5	38.4
10°-20°	362.9	47.0
20°-30°	88.6	11.5
30°-40°	18.3	2.4
40°-50°	3.2	0.4
50°-60°	1.1	0.1
60°-70°	0.9	0.1
70°-80°	0.6	0.1
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°	748.0	96.9
0°-40°	766.3	99.3
0°-60°	770.6	99.8
0°-90°	772.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	772.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3654	3654	3654	3654	3654	
5°	3363	3366	3361	3368	3380	296
15°	1281	1303	1335	1341	1334	358
25°	165	173	186	175	172	85
35°	18	25	32	24	18	15
45°	2	4	5	4	2	2
55°	1	1	1	1	1	1
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°	3654.3	3654.3	3654.3	3654.3	3654.3
1°	3647.3	3642.6	3641.4	3642.0	3647.9
2°	3614.3	3611.4	3610.8	3612.6	3620.8
3°	3547.3	3550.8	3552.0	3557.9	3562.0
4°	3464.9	3472.0	3469.0	3476.1	3480.8
5°	3362.6	3365.5	3361.4	3368.4	3380.2
6°	3243.1	3232.6	3242.6	3245.5	3253.7
7°	3094.3	3096.7	3100.2	3103.7	3116.1
8°	2947.8	2940.8	2939.0	2955.5	2965.5
9°	2776.6	2777.8	2771.3	2790.2	2793.1
10°	2596.6	2581.9	2589.6	2604.3	2607.2
11°	2359.0	2354.9	2366.0	2389.0	2407.2
12°	2136.0	2138.4	2150.1	2157.8	2153.7
13°	1841.3	1858.9	1873.6	1881.3	1871.3
14°	1574.8	1574.8	1593.6	1596.6	1632.5
15°	1281.3	1303.0	1334.8	1340.7	1333.6
17.5°	740.0	743.0	758.3	757.7	768.9
20°	426.5	430.6	438.3	436.5	431.2
22.5°	256.5	265.3	283.5	268.8	264.7
25°	165.3	173.0	185.9	175.3	172.4
27.5°	103.5	108.8	118.8	109.4	104.7
30°	64.1	67.1	76.5	67.7	62.4
32.5°	34.7	42.4	50.0	42.4	34.7
35°	17.6	24.7	31.8	24.1	17.6
37.5°	11.8	14.1	20.6	13.5	11.8
40°	7.6	9.4	12.9	9.4	7.6
42.5°	4.1	5.9	7.1	6.5	4.1
45°	2.4	3.5	4.7	3.5	2.4
47.5°	1.8	1.8	2.9	1.8	1.2
50°	1.2	1.2	1.8	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	0.6	1.2	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
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°	0.0	0.0	0.6	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)