

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: P1326329

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQPHR1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

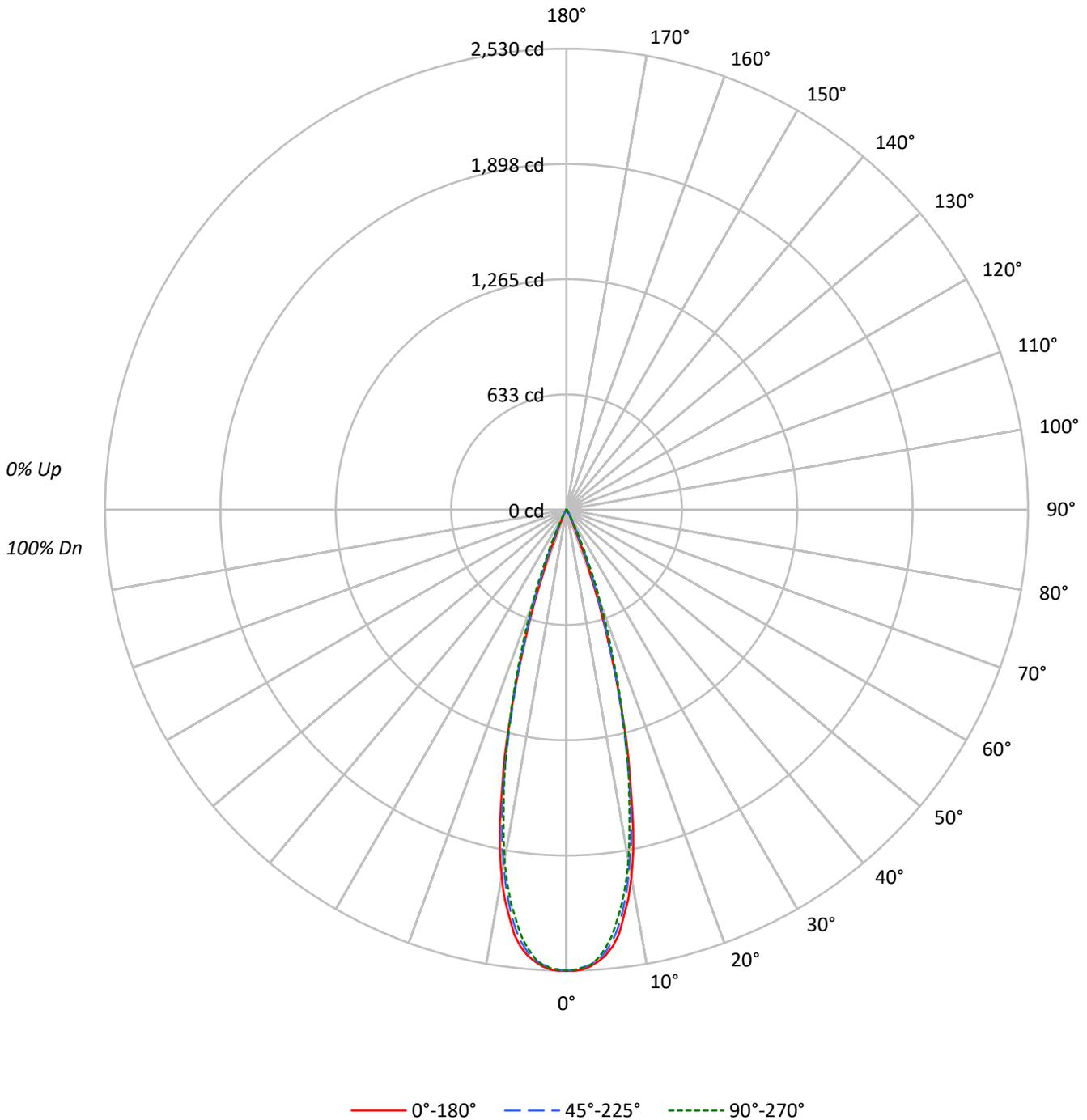
Test Method: LM-79-2019  
Report Number: P1326329  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R30W2N902750DE010 3LSQPHR1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,  
3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 613.0 lumens  
Efficiency: N/A  
Efficacy: 68.1 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	76

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

	0°	45°	90°
0°	435706	435706	435706
5°	424491	421552	418094
10°	358223	347223	341592
15°	215883	209839	213708
20°	73219	84563	97539
25°	13454	21093	24912
30°	4634	5151	5787
35°	1325	1661	1787
40°	360	585	472
45°	122	122	122
50°	134	0	134
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: 0°  
 Vertical Angle: 52.5°  
 Luminance: 141 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.8	35.7
10°-20°	319.7	52.2
20°-30°	67.7	11.0
30°-40°	6.2	1.0
40°-50°	0.6	0.1
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°	606.1	98.9
0°-40°	612.4	99.9
0°-60°	613.0	100.0
0°-90°	613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	613.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2530	2530	2530	2530	2530	
5°	2455	2451	2438	2431	2418	222
15°	1211	1206	1177	1204	1199	319
25°	71	79	111	130	131	52
35°	6	8	8	10	8	5
45°	0	0	0	0	0	0
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°	2529.9	2529.9	2529.9	2529.9	2529.9
1°	2530.4	2527.8	2524.1	2529.3	2525.6
2°	2525.1	2518.8	2513.5	2518.8	2517.2
3°	2509.3	2504.0	2500.3	2502.9	2502.9
4°	2485.5	2479.7	2476.5	2477.0	2469.1
5°	2455.4	2450.6	2438.4	2431.0	2418.4
6°	2411.0	2399.3	2384.5	2372.4	2356.0
7°	2350.7	2332.7	2311.6	2290.5	2269.9
8°	2254.0	2245.5	2217.0	2202.7	2182.1
9°	2163.1	2142.5	2111.8	2088.6	2077.5
10°	2048.4	2017.8	1985.5	1967.0	1953.3
11°	1912.6	1881.4	1855.5	1828.6	1807.4
12°	1753.0	1726.6	1697.0	1679.0	1654.2
13°	1563.8	1560.1	1526.8	1521.0	1517.8
14°	1401.6	1386.8	1354.0	1363.0	1365.1
15°	1210.8	1206.5	1176.9	1204.4	1198.6
17.5°	758.4	760.0	778.5	821.8	835.5
20°	399.5	411.7	461.4	513.7	532.2
22.5°	161.7	188.7	239.4	274.8	298.6
25°	70.8	79.3	111.0	130.5	131.1
27.5°	40.2	40.7	53.4	55.5	56.5
30°	23.3	23.8	25.9	27.5	29.1
32.5°	12.7	13.7	14.3	16.4	16.4
35°	6.3	7.9	7.9	9.5	8.5
37.5°	3.7	4.2	4.8	4.8	4.2
40°	1.6	2.1	2.6	2.6	2.1
42.5°	0.5	1.1	1.1	1.1	1.6
45°	0.5	0.5	0.5	0.5	0.5
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.0	0.0	0.0	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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)