

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: P1326331

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQPHR1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

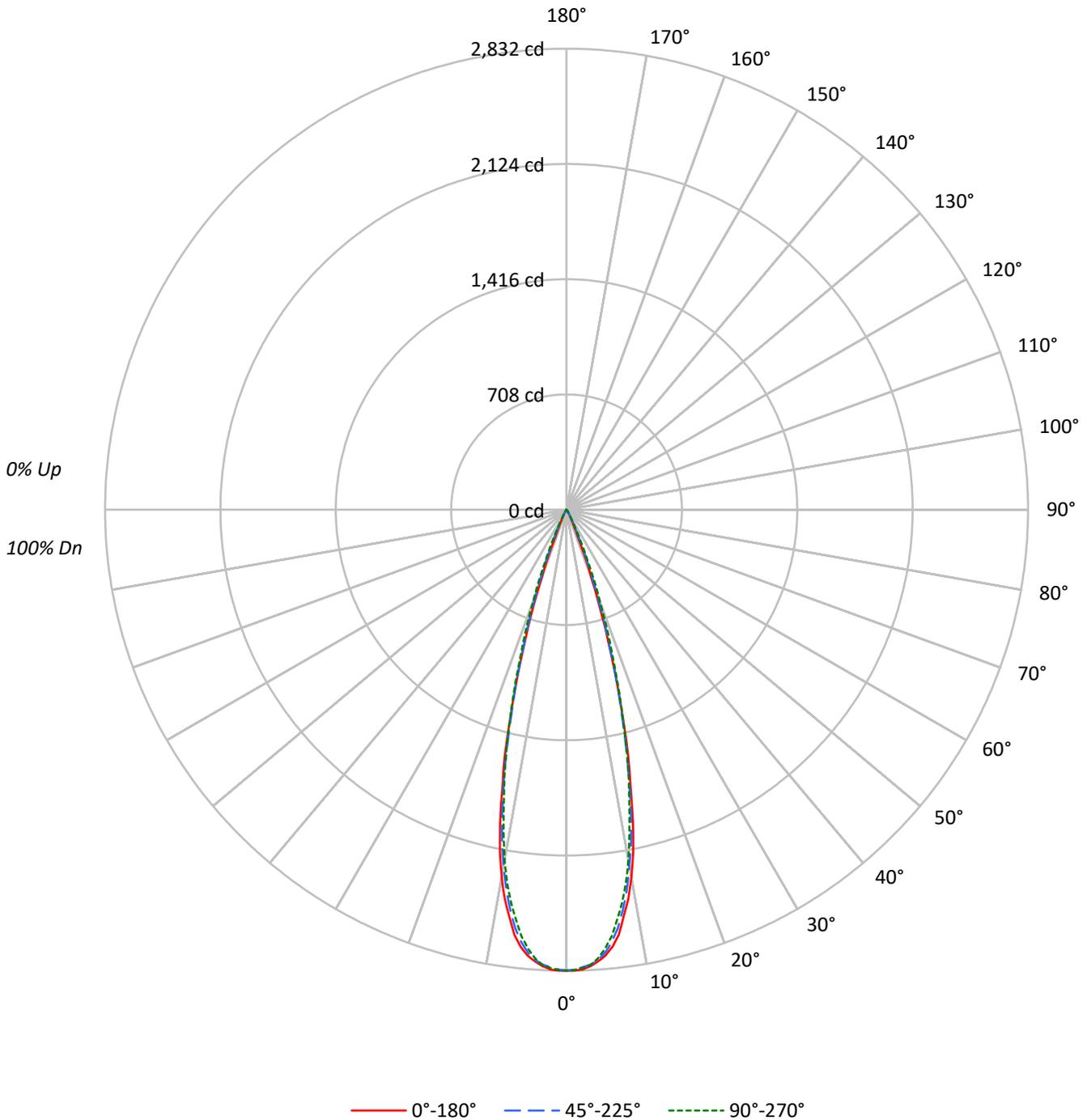
Test Method: LM-79-2019  
Report Number: P1326331  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R30W2N902750DE010 3LSQPHR1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,  
3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 686.0 lumens  
Efficiency: N/A  
Efficacy: 76.2 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									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	102	102	102	102	102	102	102	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	99	99	99	99	99	99	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	96	96	96	96	96	96	96	96	96	96	94																
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	93	93	93	93	93	93	93	93	93	93	93	93	92																
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	90	90	90	90	90	90	90	90	90	90	90	90	89																
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	88	88	88	88	88	88	88	88	88	88	88	88	87																
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	85	85	85	85	85	85	85	85	85	85	85	85	84																
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	83	83	83	83	83	83	83	83	83	83	83	83	82																
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	81	81	81	81	81	81	81	81	81	81	81	81	80																
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	79	79	79	79	79	79	79	79	79	79	79	79	78																
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	77	77	77	77	77	77	77	77	77	77	77	77	76																

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

	0°	45°	90°
0°	487580	487580	487580
5°	475041	471756	467884
10°	400894	388582	382269
15°	241594	234836	239169
20°	81942	94625	109159
25°	15069	23601	27877
30°	5171	5767	6463
35°	1493	1871	1997
40°	405	674	540
45°	146	146	146
50°	161	0	161
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: 170 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.8	35.7
10°-20°	357.8	52.2
20°-30°	75.7	11.0
30°-40°	7.0	1.0
40°-50°	0.7	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°	678.3	98.9
0°-40°	685.3	99.9
0°-60°	686.0	100.0
0°-90°	686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2831	2831	2831	2831	2831	
5°	2748	2742	2729	2721	2706	248
15°	1355	1350	1317	1348	1341	357
25°	79	89	124	146	147	58
35°	7	9	9	11	10	6
45°	1	1	1	1	1	1
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°	2831.1	2831.1	2831.1	2831.1	2831.1
1°	2831.7	2828.8	2824.6	2830.6	2826.4
2°	2825.8	2818.7	2812.8	2818.7	2817.0
3°	2808.1	2802.2	2798.0	2801.0	2801.0
4°	2781.5	2775.0	2771.4	2772.0	2763.1
5°	2747.8	2742.4	2728.8	2720.6	2706.4
6°	2698.1	2685.1	2668.5	2654.9	2636.6
7°	2630.7	2610.5	2586.9	2563.2	2540.2
8°	2522.4	2513.0	2481.0	2465.1	2442.0
9°	2420.7	2397.6	2363.3	2337.3	2324.9
10°	2292.4	2258.1	2222.0	2201.3	2185.9
11°	2140.4	2105.5	2076.5	2046.3	2022.7
12°	1961.8	1932.2	1899.1	1879.0	1851.2
13°	1750.0	1745.9	1708.6	1702.1	1698.6
14°	1568.5	1551.9	1515.2	1525.3	1527.6
15°	1355.0	1350.2	1317.1	1347.9	1341.4
17.5°	848.7	850.5	871.2	919.7	935.0
20°	447.1	460.7	516.3	574.9	595.6
22.5°	181.0	211.1	267.9	307.5	334.2
25°	79.3	88.7	124.2	146.1	146.7
27.5°	44.9	45.5	59.7	62.1	63.3
30°	26.0	26.6	29.0	30.8	32.5
32.5°	14.2	15.4	16.0	18.3	18.3
35°	7.1	8.9	8.9	10.6	9.5
37.5°	4.1	4.7	5.3	5.3	4.7
40°	1.8	2.4	3.0	3.0	2.4
42.5°	0.6	1.2	1.2	1.2	1.8
45°	0.6	0.6	0.6	0.6	0.6
47.5°	0.6	0.6	0.0	0.6	0.6
50°	0.6	0.0	0.0	0.0	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
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)