

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: P1326330

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQPHR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326330
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

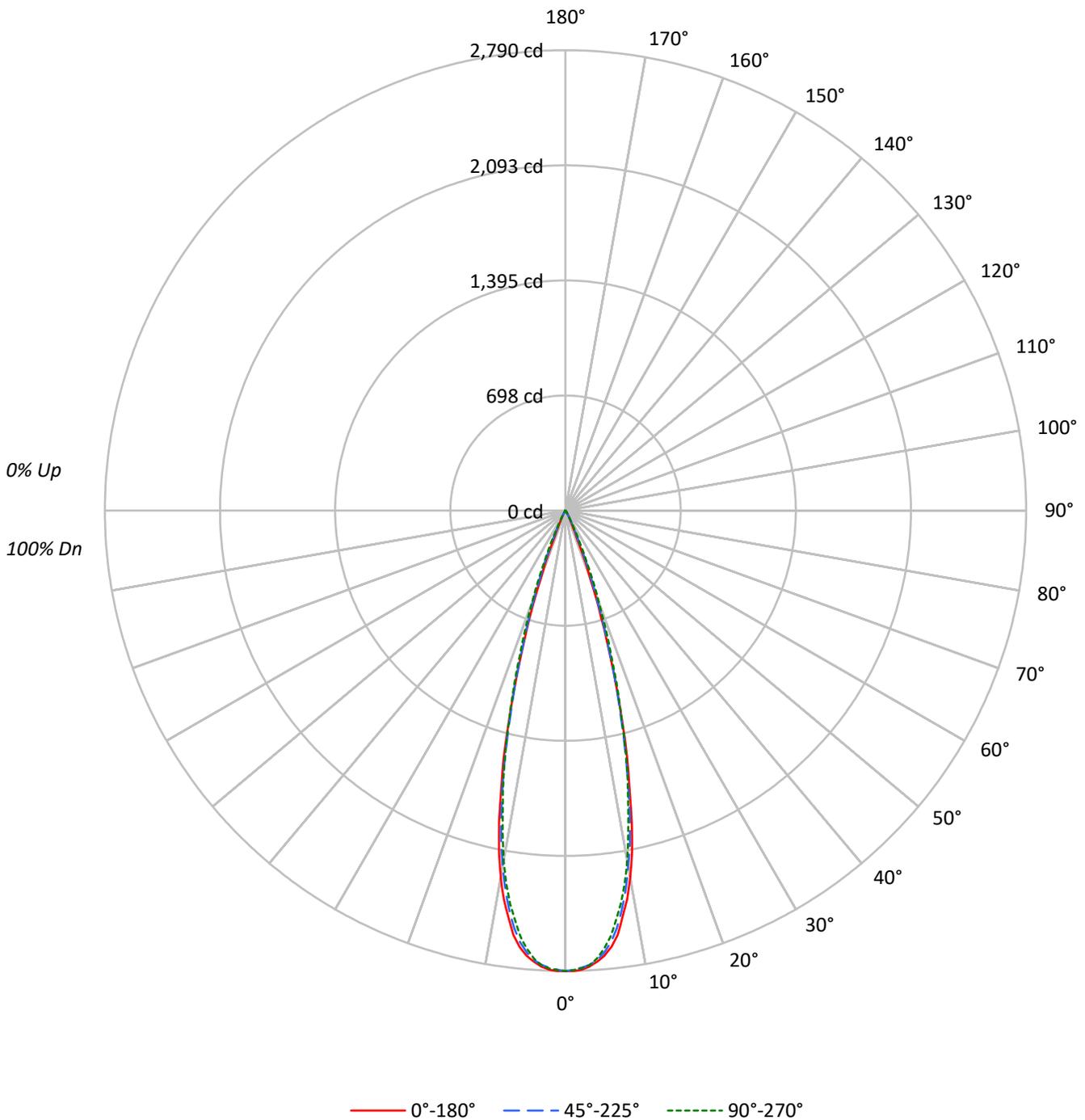
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 676.0 lumens
Efficiency: N/A
Efficacy: 75.1 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	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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	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	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	94	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	480484	480484	480484
5°	468109	464893	461055
10°	395035	382916	376690
15°	238063	231413	235674
20°	80751	93251	107564
25°	14841	23259	27459
30°	5091	5688	6384
35°	1472	1829	1955
40°	382	652	517
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°	241.2	35.7
10°-20°	352.6	52.2
20°-30°	74.6	11.0
30°-40°	6.9	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°	668.4	98.9
0°-40°	675.3	99.9
0°-60°	676.0	100.0
0°-90°	676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2790	2790	2790	2790	2790	
5°	2708	2702	2689	2681	2667	244
15°	1335	1330	1298	1328	1322	352
25°	78	87	122	144	144	57
35°	7	9	9	10	9	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°	2789.9	2789.9	2789.9	2789.9	2789.9
1°	2790.5	2787.5	2783.5	2789.3	2785.2
2°	2784.6	2777.6	2771.8	2777.6	2775.9
3°	2767.1	2761.3	2757.2	2760.2	2760.2
4°	2740.9	2734.5	2731.0	2731.6	2722.9
5°	2707.7	2702.5	2689.1	2680.9	2666.9
6°	2658.7	2645.9	2629.6	2616.2	2598.1
7°	2592.3	2572.5	2549.2	2525.9	2503.1
8°	2485.7	2476.3	2444.9	2429.1	2406.4
9°	2385.4	2362.7	2328.9	2303.2	2291.0
10°	2258.9	2225.1	2189.6	2169.2	2154.0
11°	2109.2	2074.8	2046.2	2016.5	1993.2
12°	1933.2	1904.0	1871.4	1851.6	1824.2
13°	1724.5	1720.4	1683.7	1677.3	1673.8
14°	1545.6	1529.3	1493.1	1503.0	1505.4
15°	1335.2	1330.5	1297.9	1328.2	1321.8
17.5°	836.3	838.1	858.5	906.3	921.4
20°	440.6	454.0	508.8	566.5	586.9
22.5°	178.3	208.1	264.0	303.1	329.3
25°	78.1	87.4	122.4	144.0	144.5
27.5°	44.3	44.9	58.9	61.2	62.4
30°	25.6	26.2	28.6	30.3	32.1
32.5°	14.0	15.2	15.7	18.1	18.1
35°	7.0	8.7	8.7	10.5	9.3
37.5°	4.1	4.7	5.2	5.2	4.7
40°	1.7	2.3	2.9	2.9	2.3
42.5°	0.6	1.2	1.2	1.2	1.7
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)