

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: P1326317

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R30W2N902750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

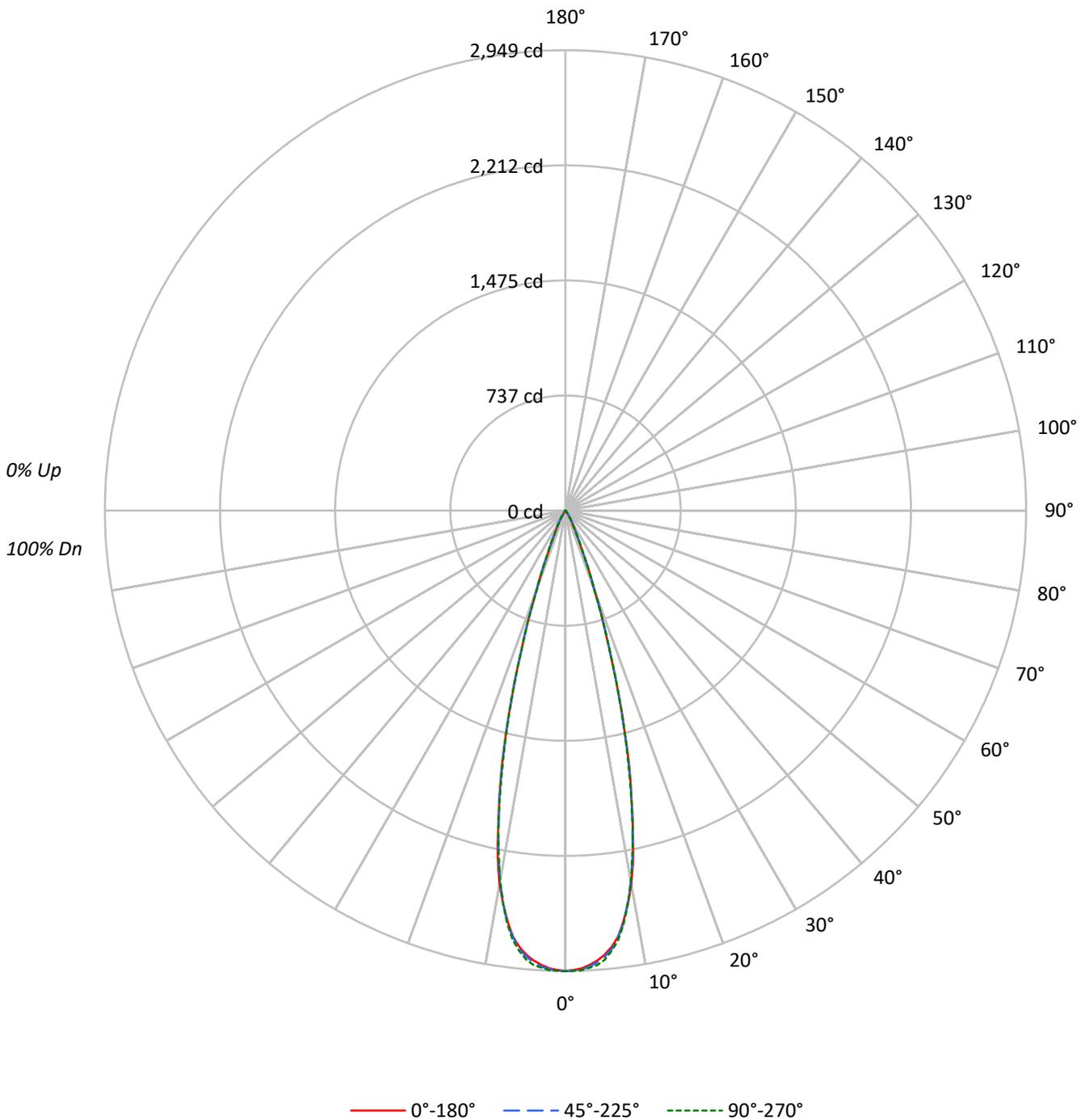
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 767.1 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 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	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	93	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	507902	507902	507902
5°	493989	496132	499210
10°	424782	421162	421564
15°	261010	258907	259120
20°	99335	99555	97704
25°	31601	33274	31715
30°	12708	15770	13065
35°	4100	6959	4100
40°	1866	3058	1866
45°	731	1291	731
50°	322	643	322
55°	360	360	360
60°	413	413	413
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1291 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.1	33.9
10°-20°	385.9	50.3
20°-30°	95.9	12.5
30°-40°	19.1	2.5
40°-50°	3.5	0.5
50°-60°	1.1	0.1
60°-70°	0.8	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°	741.9	96.7
0°-40°	761.1	99.2
0°-60°	765.7	99.8
0°-90°	767.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2949	2949	2949	2949	2949	
5°	2857	2867	2870	2874	2888	260
15°	1464	1467	1452	1457	1453	387
25°	166	170	175	173	167	93
35°	20	25	33	25	20	16
45°	3	4	5	4	3	3
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°	2949.1	2949.1	2949.1	2949.1	2949.1
1°	2942.6	2946.1	2948.5	2948.5	2948.5
2°	2934.3	2936.7	2940.2	2940.8	2945.6
3°	2914.8	2920.1	2926.0	2929.6	2931.9
4°	2891.1	2898.2	2901.8	2910.6	2918.3
5°	2857.4	2866.9	2869.8	2874.0	2887.6
6°	2811.8	2818.9	2824.8	2826.6	2834.9
7°	2751.5	2755.0	2753.8	2756.8	2771.6
8°	2659.8	2660.9	2671.0	2664.5	2674.5
9°	2550.9	2546.1	2543.8	2548.5	2549.1
10°	2429.0	2413.0	2408.3	2404.1	2410.6
11°	2271.0	2250.3	2252.1	2250.9	2241.4
12°	2074.6	2072.2	2056.8	2059.8	2074.0
13°	1874.0	1878.1	1875.1	1878.7	1862.7
14°	1685.8	1665.7	1671.0	1650.9	1658.6
15°	1463.9	1466.9	1452.1	1456.8	1453.3
17.5°	937.3	943.8	939.1	934.9	941.4
20°	542.0	541.4	543.2	537.9	533.1
22.5°	285.2	289.3	294.7	295.3	298.8
25°	166.3	169.8	175.1	172.8	166.9
27.5°	101.8	108.3	116.6	110.7	103.6
30°	63.9	69.2	79.3	69.8	65.7
32.5°	36.1	43.8	52.1	43.8	36.1
35°	19.5	25.4	33.1	24.9	19.5
37.5°	13.0	14.8	21.9	14.8	13.0
40°	8.3	10.1	13.6	10.1	8.3
42.5°	4.7	6.5	7.7	6.5	4.7
45°	3.0	3.6	5.3	4.1	3.0
47.5°	1.2	1.8	3.6	1.8	1.8
50°	1.2	1.2	2.4	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	0.6	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	0.0	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)