

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: P1326314

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326314
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

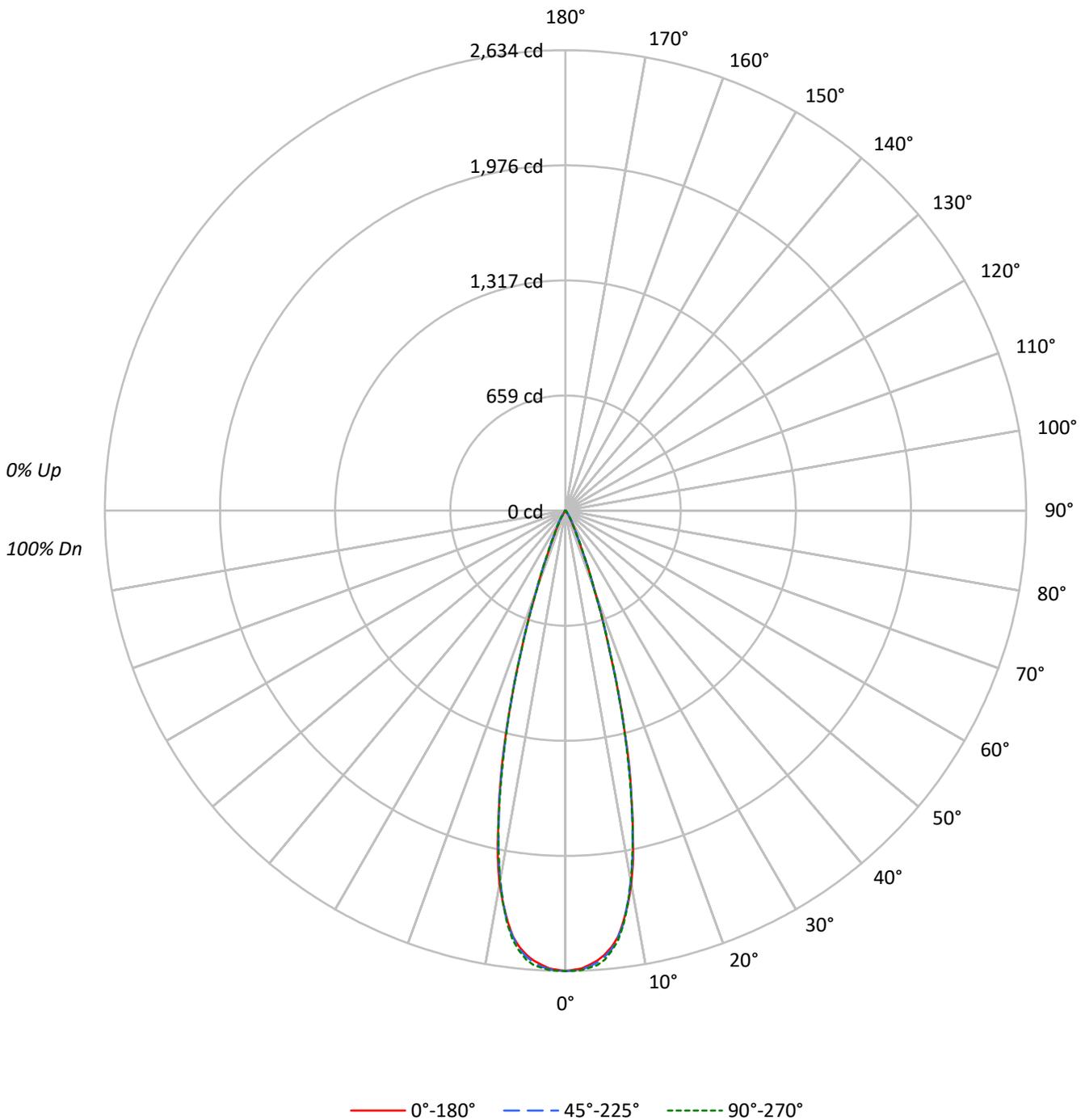
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 685.0 lumens
Efficiency: N/A
Efficacy: 76.1 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

TEST NUMBER: P1326314
CATALOG NUMBER: LDSQA3D09R30W2N902750DE010 3LSQCDR1MW_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1326314

CATALOG NUMBER: LDSQA3D09R30W2N902750DE010 3LSQCDR1MW_2700K

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	453600	453600	453600
5°	441174	443093	445842
10°	379366	376131	376498
15°	233107	231217	231413
20°	88724	88907	87257
25°	28219	29720	28314
30°	11355	14080	11673
35°	3658	6223	3658
40°	1664	2743	1664
45°	633	1169	633
50°	295	563	295
55°	330	330	330
60°	379	379	379
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1169 cd/sqm



TEST NUMBER: P1326314

CATALOG NUMBER: LDSQA3D09R30W2N902750DE010 3LSQCDR1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.3	33.9
10°-20°	344.7	50.3
20°-30°	85.6	12.5
30°-40°	17.1	2.5
40°-50°	3.1	0.5
50°-60°	1.0	0.1
60°-70°	0.7	0.1
70°-80°	0.5	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°	662.6	96.7
0°-40°	679.7	99.2
0°-60°	683.8	99.8
0°-90°	685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2634	2634	2634	2634	2634	
5°	2552	2560	2563	2567	2579	232
15°	1307	1310	1297	1301	1298	346
25°	148	152	156	154	149	83
35°	17	23	30	22	17	14
45°	3	3	5	4	3	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1326314
 CATALOG NUMBER: LDSQA3D09R30W2N902750DE010 3LSQCDR1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2633.8	2633.8	2633.8	2633.8	2633.8
1°	2628.0	2631.2	2633.3	2633.3	2633.3
2°	2620.6	2622.7	2625.9	2626.4	2630.6
3°	2603.2	2607.9	2613.2	2616.4	2618.5
4°	2582.0	2588.4	2591.5	2599.5	2606.3
5°	2551.9	2560.4	2563.0	2566.7	2578.9
6°	2511.2	2517.6	2522.8	2524.4	2531.8
7°	2457.3	2460.5	2459.4	2462.1	2475.3
8°	2375.4	2376.5	2385.4	2379.6	2388.6
9°	2278.2	2273.9	2271.8	2276.1	2276.6
10°	2169.3	2155.0	2150.8	2147.1	2152.9
11°	2028.2	2009.7	2011.3	2010.2	2001.8
12°	1852.8	1850.6	1836.9	1839.5	1852.2
13°	1673.6	1677.3	1674.7	1677.8	1663.6
14°	1505.6	1487.6	1492.4	1474.4	1481.3
15°	1307.4	1310.0	1296.8	1301.1	1297.9
17.5°	837.1	842.9	838.7	835.0	840.8
20°	484.1	483.5	485.1	480.4	476.1
22.5°	254.7	258.4	263.2	263.7	266.9
25°	148.5	151.7	156.4	154.3	149.0
27.5°	90.9	96.7	104.1	98.8	92.5
30°	57.1	61.8	70.8	62.4	58.7
32.5°	32.2	39.1	46.5	39.1	32.2
35°	17.4	22.7	29.6	22.2	17.4
37.5°	11.6	13.2	19.6	13.2	11.6
40°	7.4	9.0	12.2	9.0	7.4
42.5°	4.2	5.8	6.9	5.8	4.2
45°	2.6	3.2	4.8	3.7	2.6
47.5°	1.1	1.6	3.2	1.6	1.6
50°	1.1	1.1	2.1	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
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



TEST NUMBER: P1326314
CATALOG NUMBER: LDSQA3D09R30W2N902750DE010 3LSQCDR1MW_2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)