

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: P1326887

Luminaire Tested: LDSQA3D09R50W2N902750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R50W2N902750DE010 3LSQCDR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

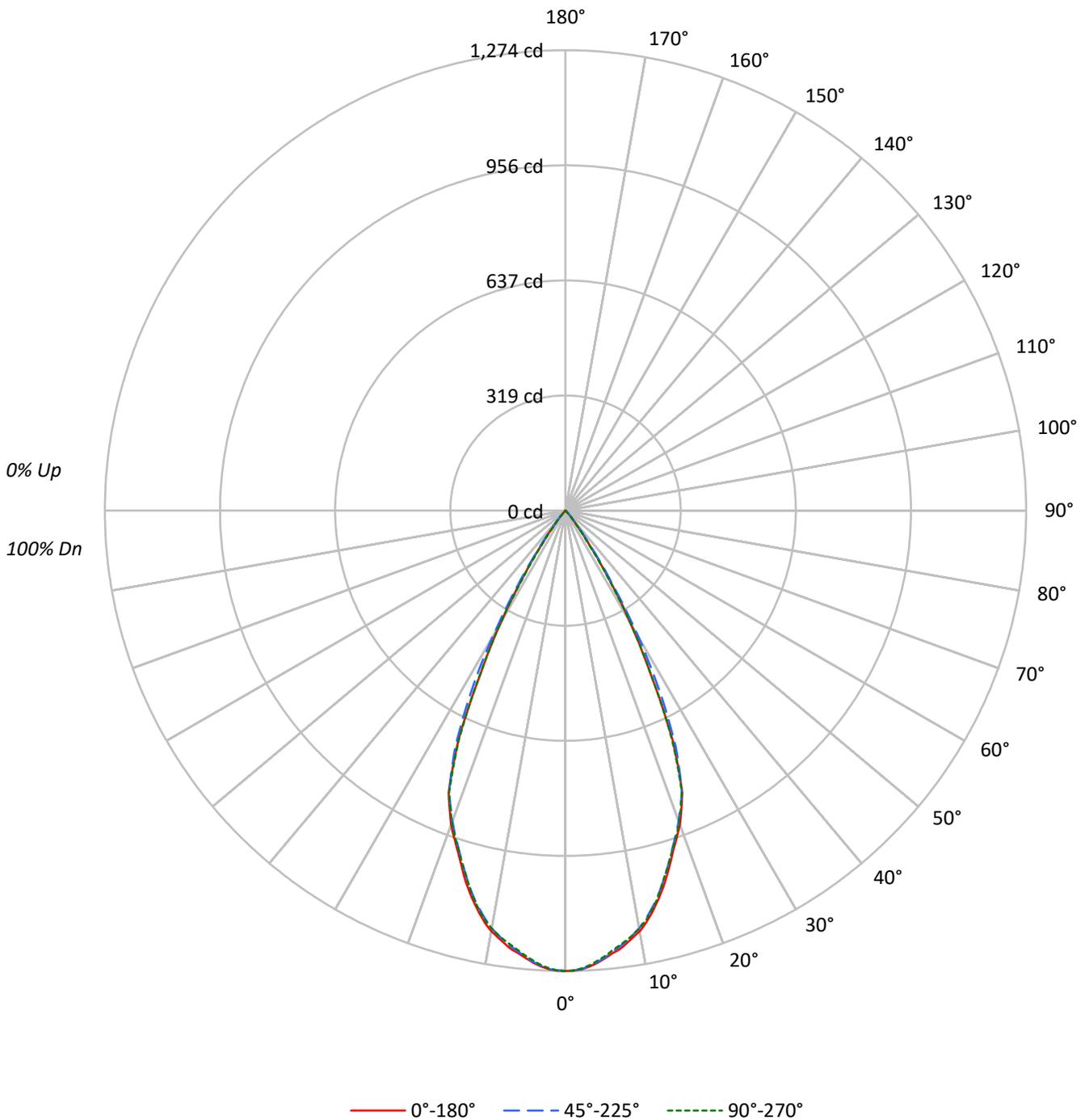
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 821.0 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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: P1326887
CATALOG NUMBER: LDSQA3D09R50W2N902750DE010 3LSQCDR1MW_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1326887

CATALOG NUMBER: LDSQA3D09R50W2N902750DE010 3LSQCDR1MW_3000K

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	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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	219412	219412	219412
5°	215098	214700	214095
10°	206690	205256	205361
15°	189745	187980	187766
20°	169512	167697	168540
25°	133228	137104	132126
30°	71273	79845	71512
35°	23274	27206	21929
40°	5755	7217	5508
45°	706	2557	706
50°	455	777	455
55°	510	510	510
60°	413	413	413
65°	489	489	489
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2557 cd/sqm



TEST NUMBER: P1326887

CATALOG NUMBER: LDSQA3D09R50W2N902750DE010 3LSQCDR1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	14.2
10°-20°	294.6	35.9
20°-30°	309.9	37.7
30°-40°	89.3	10.9
40°-50°	7.2	0.9
50°-60°	1.5	0.2
60°-70°	1.1	0.1
70°-80°	0.6	0.1
80°-90°	0.2	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°	721.0	87.8
0°-40°	810.3	98.7
0°-60°	819.1	99.8
0°-90°	821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1244	1244	1242	1243	1238	117
15°	1064	1057	1054	1054	1053	296
25°	701	719	722	713	695	304
35°	111	115	129	111	104	86
45°	3	6	10	6	3	5
55°	2	2	2	2	2	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



TEST NUMBER: P1326887

CATALOG NUMBER: LDSQA3D09R50W2N902750DE010 3LSQCDR1MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1274.0	1274.0	1274.0	1274.0	1274.0
1°	1273.4	1274.5	1272.2	1276.3	1272.8
2°	1270.5	1271.1	1269.9	1272.8	1268.1
3°	1263.5	1264.6	1262.3	1264.6	1260.6
4°	1255.3	1255.3	1253.0	1254.7	1249.5
5°	1244.2	1243.7	1241.9	1243.1	1238.4
6°	1232.6	1232.0	1229.1	1229.1	1225.6
7°	1223.8	1219.8	1217.4	1216.9	1213.4
8°	1209.9	1208.7	1204.0	1204.0	1201.7
9°	1195.9	1194.7	1189.5	1190.6	1188.9
10°	1181.9	1177.8	1173.7	1174.3	1174.3
11°	1163.2	1159.7	1153.9	1156.2	1157.4
12°	1141.1	1137.0	1131.8	1136.4	1135.8
13°	1116.6	1113.1	1109.0	1112.5	1111.4
14°	1091.0	1085.7	1082.2	1084.6	1083.4
15°	1064.2	1057.2	1054.3	1054.3	1053.1
17.5°	989.0	984.9	982.0	980.2	984.3
20°	924.9	921.4	915.0	916.7	919.6
22.5°	844.5	843.9	840.4	837.5	841.0
25°	701.1	718.6	721.5	713.3	695.3
27.5°	509.4	550.1	564.7	545.5	512.3
30°	358.4	377.6	401.5	363.7	359.6
32.5°	216.2	221.5	243.6	217.4	211.6
35°	110.7	114.8	129.4	110.7	104.3
37.5°	51.9	54.2	60.0	51.9	48.4
40°	25.6	28.6	32.1	26.8	24.5
42.5°	11.1	14.6	18.6	14.0	9.9
45°	2.9	5.8	10.5	5.8	2.9
47.5°	1.7	2.3	5.8	2.3	1.7
50°	1.7	1.7	2.9	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.2	1.7	1.2	1.7	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
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°	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.6	0.0	0.6	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: P1326887
CATALOG NUMBER: LDSQA3D09R50W2N902750DE010 3LSQCDR1MW_3000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)