

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: P1326904

Luminaire Tested: LDSQA3D09R50W2N902765DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-65)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R50W2N902765DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

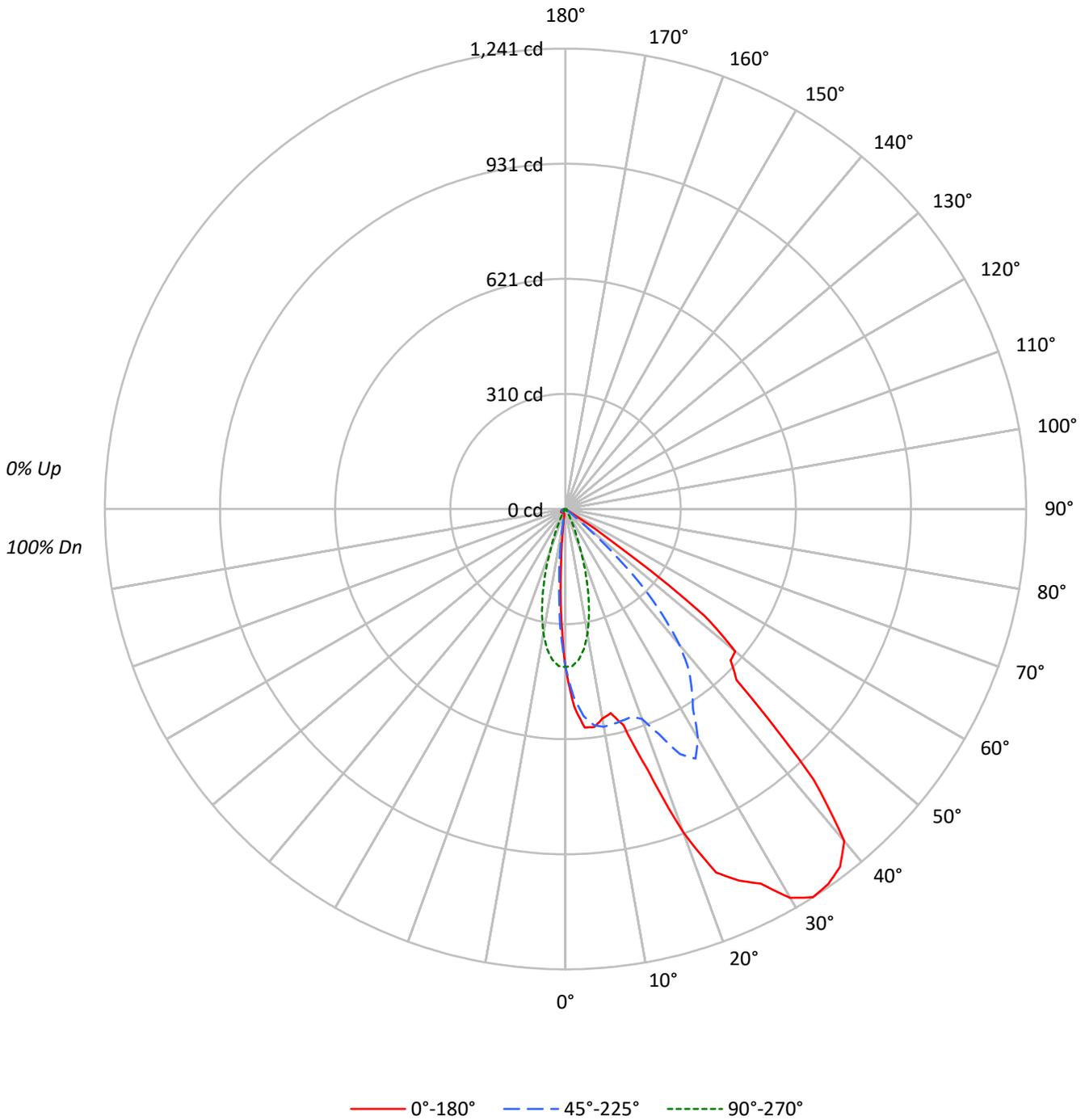
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 662.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
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: P1326904
CATALOG NUMBER: LDSQA3D09R50W2N902765DE010 3LSQCA30R 1MW_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P1326904

CATALOG NUMBER: LDSQA3D09R50W2N902765DE010 3LSQCA30R 1MW_3000K

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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	73298	73298	73298	73298	73298
5°	102207	96969	70449	33867	21973
10°	100328	104211	59546	7135	3060
15°	107585	105303	42096	2496	2389
20°	169896	110277	22231	2144	2236
25°	209941	138491	8855	1995	2223
30°	240707	142030	3599	1969	2327
35°	259505	124654	1598	2081	2565
40°	262680	107352	1169	2361	2878
45°	158752	69585	1145	2557	3264
50°	159955	12030	1259	2974	3751
55°	47261	691	1411	3333	4204
60°	792	792	1412	3617	4616
65°	693	693	1426	3790	4972
70°	856	856	1460	4129	5589
75°	799	799	1530	4259	5789
80°	595	1190	1686	4066	6347
85°	1186	2371	2371	4545	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 181330 cd/sqm



TEST NUMBER: P1326904

CATALOG NUMBER: LDSQA3D09R50W2N902765DE010 3LSQCA30R 1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	5.2
10°-20°	85.5	12.9
20°-30°	160.1	24.2
30°-40°	191.4	28.9
40°-50°	137.2	20.7
50°-60°	42.3	6.4
60°-70°	5.5	0.8
70°-80°	4.0	0.6
80°-90°	1.6	0.2
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°	280.0	42.3
0°-40°	471.4	71.2
0°-60°	650.8	98.3
0°-90°	662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	662.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	426	426	426	426	426	
5°	591	561	408	196	127	55
15°	603	591	236	14	13	193
25°	1105	729	47	10	12	509
35°	1234	593	8	10	12	766
45°	652	286	5	10	13	599
55°	157	2	5	11	14	203
65°	2	2	4	9	12	2
75°	1	1	2	6	9	1
85°	1	1	1	2	3	0
90°	0	0	0	0	0	



TEST NUMBER: P1326904

CATALOG NUMBER: LDSQA3D09R50W2N902765DE010 3LSQCA30R 1MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6
2.5°	532.3	533.5	535.2	530.6	527.6	525.3	521.2	520.1	510.1	506.1	502.0
5°	591.2	590.0	591.2	589.4	588.3	584.8	581.3	575.4	569.0	560.9	551.5
7.5°	592.9	591.8	594.1	594.1	596.4	596.4	596.4	597.0	593.5	587.7	579.5
10°	573.7	573.7	576.0	574.9	578.9	580.7	584.8	591.8	595.3	595.9	593.5
12.5°	563.8	563.8	564.4	562.0	563.2	565.0	569.6	577.8	585.9	594.1	598.8
15°	603.4	604.6	596.4	584.8	576.0	566.7	563.8	569.0	577.8	590.6	601.1
17.5°	738.1	739.9	731.1	703.1	676.3	637.8	603.4	586.5	577.2	587.7	601.7
20°	927.0	920.6	905.4	875.7	836.6	777.2	723.5	669.3	617.4	601.7	606.3
22.5°	1060.5	1058.2	1046.0	1012.7	978.9	923.5	855.3	779.5	704.3	656.5	631.4
25°	1104.8	1103.1	1092.0	1072.2	1053.5	1011.6	950.3	874.0	795.2	728.8	665.8
27.5°	1138.1	1135.7	1118.2	1096.1	1076.9	1034.3	978.3	920.6	848.3	758.5	661.7
30°	1210.4	1204.0	1179.5	1139.8	1103.1	1044.2	982.4	910.7	812.7	714.2	619.8
32.5°	1240.7	1237.2	1216.2	1184.1	1143.9	1066.9	973.1	853.0	724.1	639.0	570.2
35°	1234.3	1229.0	1207.4	1170.7	1121.7	1047.7	922.3	757.4	652.4	592.9	515.4
37.5°	1215.0	1207.4	1181.8	1138.7	1079.2	982.4	818.6	679.8	612.2	545.1	440.8
40°	1168.4	1156.1	1126.4	1081.5	1022.0	894.9	724.1	633.2	570.2	477.5	357.4
42.5°	990.0	983.6	998.1	990.6	938.1	788.3	657.1	590.6	503.7	386.0	258.9
45°	651.8	662.9	689.1	734.0	744.5	678.1	602.3	520.6	414.5	285.7	149.3
47.5°	603.4	601.1	607.5	616.3	618.0	590.0	521.2	430.3	307.8	163.2	41.4
50°	597.0	593.5	588.3	577.8	555.6	501.4	423.3	313.7	177.8	44.9	2.9
52.5°	471.7	468.2	468.2	453.0	424.4	372.0	292.1	172.6	49.6	2.9	2.3
55°	157.4	167.9	166.2	165.6	178.4	164.4	125.9	44.3	4.1	2.3	2.3
57.5°	2.9	2.9	2.9	5.2	8.2	11.7	7.0	3.5	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
65°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.3
67.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7
77.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1326904

CATALOG NUMBER: LDSQA3D09R50W2N902765DE010 3LSQCA30R 1MW_3000K

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6
2.5°	492.7	484.5	468.8	423.9	374.3	317.7	279.3	274.6
5°	537.0	524.7	499.1	407.5	294.4	195.9	145.8	127.1
7.5°	566.1	549.8	518.3	380.7	214.6	103.2	55.4	44.3
10°	583.6	568.5	528.2	340.5	136.4	40.8	18.7	17.5
12.5°	592.9	578.4	531.7	292.1	77.0	18.7	14.6	14.6
15°	599.4	583.6	526.5	236.1	38.5	14.0	13.4	13.4
17.5°	602.3	583.0	511.3	177.8	20.4	12.8	12.8	12.8
20°	604.0	576.6	483.3	121.3	14.0	11.7	12.2	12.2
22.5°	605.8	560.9	446.6	77.0	11.1	11.1	11.7	11.7
25°	602.3	533.5	394.7	46.6	9.9	10.5	11.1	11.7
27.5°	577.2	492.1	331.7	28.6	8.7	9.9	11.1	11.7
30°	534.1	431.4	258.9	18.1	8.2	9.9	11.1	11.7
32.5°	478.1	362.1	184.8	11.1	8.2	9.9	11.1	11.7
35°	402.9	276.9	120.1	7.6	8.2	9.9	11.7	12.2
37.5°	318.3	193.6	64.7	5.8	8.2	9.9	11.7	12.2
40°	229.1	116.0	23.3	5.2	7.6	10.5	12.2	12.8
42.5°	134.1	43.1	4.1	4.7	7.6	10.5	12.2	12.8
45°	38.5	4.7	2.3	4.7	7.6	10.5	12.8	13.4
47.5°	2.9	1.7	2.3	4.7	7.6	10.5	12.8	14.0
50°	1.7	1.7	1.7	4.7	7.6	11.1	13.4	14.0
52.5°	2.3	2.3	2.3	4.7	7.6	11.1	13.4	14.0
55°	2.3	2.3	2.3	4.7	7.6	11.1	13.4	14.0
57.5°	2.3	2.3	2.3	4.7	7.6	10.5	13.4	14.0
60°	2.3	2.3	2.3	4.1	7.0	10.5	12.8	13.4
62.5°	2.3	2.3	2.3	4.1	7.0	9.9	12.8	12.8
65°	2.3	2.3	2.3	3.5	6.4	9.3	11.7	12.2
67.5°	2.3	2.3	2.3	3.5	5.8	8.7	11.1	11.7
70°	1.7	2.3	2.3	2.9	5.2	8.2	10.5	11.1
72.5°	1.7	1.7	2.3	2.9	4.7	7.0	9.3	9.9
75°	1.7	1.7	1.7	2.3	4.1	6.4	8.2	8.7
77.5°	1.7	1.7	1.7	2.3	3.5	5.2	7.6	7.6
80°	1.2	1.7	1.7	1.7	2.9	4.1	5.8	6.4
82.5°	1.2	1.2	1.2	1.7	2.3	3.5	4.7	4.7
85°	1.2	1.2	1.2	1.2	1.7	2.3	2.9	2.9
87.5°	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)