

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: P1326559

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

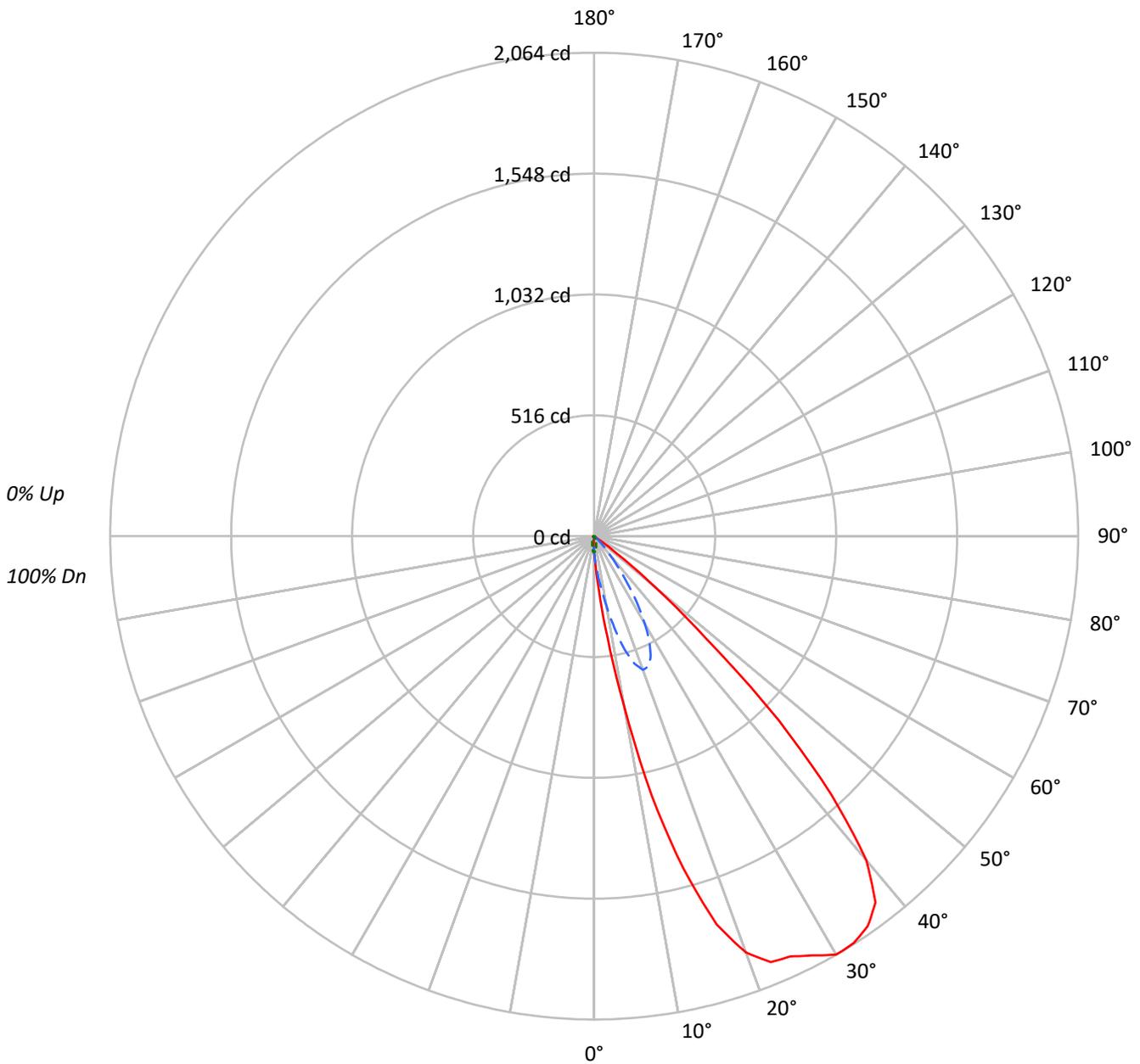
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 649.0 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
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: P1326559
CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MW_3000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1326559

CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11746	11746	11746	11746	11746
5°	39987	25984	10978	4633	3423
10°	128676	52674	8657	1731	1119
15°	262169	89327	6133	624	410
20°	346684	111267	3959	220	220
25°	376177	108163	2223	114	228
30°	410359	86188	935	119	239
35°	427596	53655	252	126	252
40°	405756	23449	135	270	382
45°	270887	9377	146	414	706
50°	90855	1554	322	616	938
55°	5074	180	360	871	1231
60°	413	207	586	999	1412
65°	489	245	693	1182	1671
70°	302	302	856	1460	1762
75°	399	399	1131	1530	1930
80°	0	595	1686	1686	1686
85°	0	1186	3359	1186	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 270887 cd/sqm



TEST NUMBER: P1326559

CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	1.8
10°-20°	93.2	14.4
20°-30°	196.7	30.3
30°-40°	223.2	34.4
40°-50°	109.9	16.9
50°-60°	9.5	1.5
60°-70°	1.9	0.3
70°-80°	1.8	0.3
80°-90°	0.9	0.1
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°	301.8	46.5
0°-40°	525.0	80.9
0°-60°	644.4	99.3
0°-90°	649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	68	68	68	68	68	
5°	231	150	64	27	20	38
15°	1470	501	34	4	2	418
25°	1980	569	12	1	1	921
35°	2034	255	1	1	1	1253
45°	1112	38	1	2	3	822
55°	17	1	1	3	4	66
65°	1	1	2	3	4	1
75°	1	1	2	2	3	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1326559

CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
2.5°	118.3	121.2	120.0	119.4	118.8	116.5	111.3	110.7	105.4	102.0	84.5
5°	231.3	226.6	227.8	221.4	213.2	201.6	194.0	177.7	164.3	150.3	98.5
7.5°	435.8	429.4	417.1	398.5	379.3	354.2	316.3	286.0	251.1	217.9	109.5
10°	735.8	732.3	716.6	668.8	626.9	559.9	496.9	430.5	365.3	301.2	117.1
12.5°	1136.6	1112.7	1084.2	1020.7	938.0	854.1	730.0	615.2	510.9	403.7	117.7
15°	1470.4	1455.3	1415.1	1332.4	1232.7	1111.6	964.2	809.8	652.5	501.0	111.9
17.5°	1739.0	1715.7	1663.9	1582.9	1468.1	1310.8	1138.4	950.2	758.5	570.3	102.0
20°	1891.6	1879.4	1839.8	1758.8	1633.6	1461.7	1265.4	1046.3	824.9	607.1	89.1
22.5°	1968.5	1959.8	1930.7	1866.0	1748.9	1575.9	1351.0	1096.4	844.2	603.0	75.7
25°	1979.6	1977.3	1952.2	1903.3	1805.4	1634.1	1388.3	1105.7	828.4	569.2	62.9
27.5°	2018.1	2009.9	1980.2	1931.3	1832.8	1644.0	1375.5	1073.7	777.7	509.8	52.4
30°	2063.5	2057.7	2028.0	1977.3	1860.8	1634.7	1330.0	1002.6	696.8	433.4	39.0
32.5°	2060.0	2057.7	2032.6	1979.0	1841.0	1580.0	1249.1	896.0	586.7	342.0	24.5
35°	2033.8	2025.6	1994.2	1911.5	1727.9	1439.0	1095.3	751.5	464.3	255.2	15.7
37.5°	1970.9	1953.4	1900.4	1760.0	1525.8	1221.7	891.9	580.3	328.6	170.7	9.9
40°	1804.8	1782.7	1676.1	1506.6	1261.3	962.4	663.6	399.1	216.7	104.3	4.1
42.5°	1497.2	1452.4	1345.8	1171.6	941.5	680.5	435.8	258.7	127.6	62.9	1.2
45°	1112.2	1077.8	965.9	808.0	617.0	436.4	263.9	139.8	70.5	38.5	0.6
47.5°	647.8	626.9	569.2	465.5	340.8	229.0	135.2	75.2	41.4	18.6	0.6
50°	339.1	312.8	269.2	203.9	150.3	105.4	65.8	40.2	20.4	5.8	0.6
52.5°	118.8	117.1	106.6	80.4	65.2	47.2	32.0	17.5	5.8	1.2	0.6
55°	16.9	16.9	15.7	17.5	18.6	16.9	11.1	4.7	1.2	0.6	0.6
57.5°	1.2	1.2	1.2	1.7	2.3	2.3	1.7	0.6	0.6	0.6	1.2
60°	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
62.5°	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
65°	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
77.5°	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
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: P1326559

CATALOG NUMBER: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MW_3000K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	68.2	68.2	68.2	68.2	68.2
2.5°	67.6	54.2	43.1	37.9	36.1
5°	63.5	40.8	26.8	21.0	19.8
7.5°	56.5	29.1	16.3	11.7	11.1
10°	49.5	21.0	9.9	7.0	6.4
12.5°	41.4	14.6	6.4	4.1	3.5
15°	34.4	9.9	3.5	2.9	2.3
17.5°	27.4	6.4	2.3	1.7	2.3
20°	21.6	4.1	1.2	1.2	1.2
22.5°	16.3	2.3	1.2	1.2	1.2
25°	11.7	1.2	0.6	0.6	1.2
27.5°	8.2	0.6	0.6	0.6	1.2
30°	4.7	0.6	0.6	0.6	1.2
32.5°	2.3	0.6	0.6	1.2	1.2
35°	1.2	0.6	0.6	1.2	1.2
37.5°	0.6	0.6	0.6	1.2	1.7
40°	0.6	0.6	1.2	1.7	1.7
42.5°	0.6	0.6	1.2	1.7	2.3
45°	0.6	1.2	1.7	2.3	2.9
47.5°	1.2	1.2	2.3	2.9	3.5
50°	1.2	1.7	2.3	3.5	3.5
52.5°	1.2	1.7	2.9	3.5	4.1
55°	1.2	2.3	2.9	4.1	4.1
57.5°	1.7	2.3	2.9	4.1	4.1
60°	1.7	2.3	2.9	4.1	4.1
62.5°	1.7	2.3	2.9	4.1	4.1
65°	1.7	2.3	2.9	4.1	4.1
67.5°	1.7	2.3	2.9	3.5	4.1
70°	1.7	2.3	2.9	3.5	3.5
72.5°	2.3	2.3	2.9	3.5	3.5
75°	1.7	2.3	2.3	2.9	2.9
77.5°	1.7	1.7	1.7	2.3	2.3
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.2	1.2	1.7	1.7
85°	1.7	1.2	0.6	1.2	1.2
87.5°	1.2	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)