

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: P1326469

Luminaire Tested: LDSQA3D09R35W2N902750DE010 3LSQCA30R 1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R35W2N902750DE010 3LSQCA30R 1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

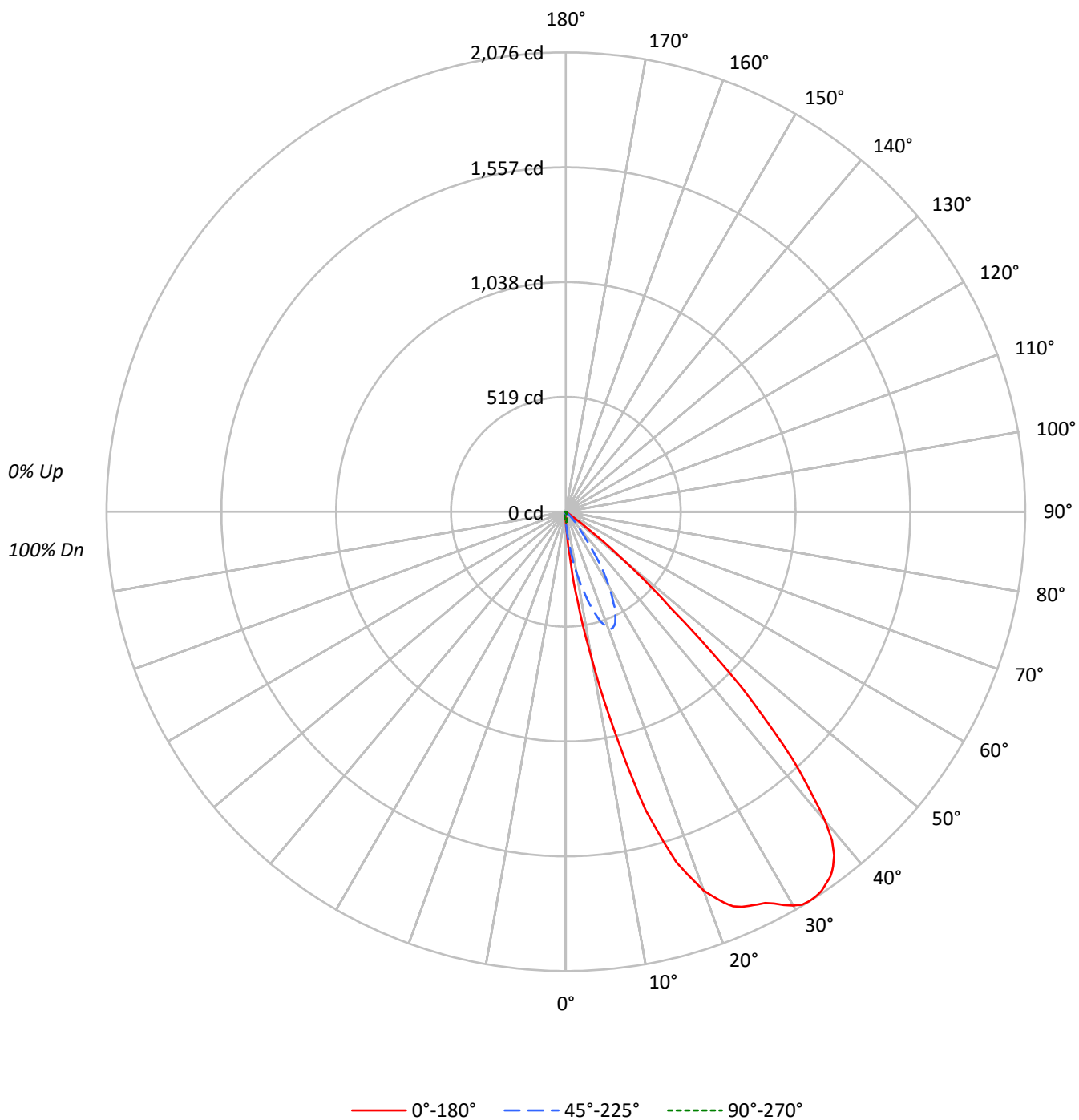
Lumens per Lamp: N/A
Luminaire Lumens: 620.0 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1326469

CATALOG NUMBER: LDSQA3D09R35W2N902750DE010 3LSQCA30R 1MMS_4000K

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75	
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67	
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45	
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8043	8043	8043	8043	8043
5°	34974	21679	7468	2662	1833
10°	117711	48931	5579	612	210
15°	249100	80252	3477	0	0
20°	333983	102543	1631	0	0
25°	373269	100714	342	0	0
30°	408629	77160	0	0	0
35°	431276	42028	0	0	0
40°	409961	18885	0	0	0
45°	275149	8354	0	0	0
50°	91927	804	0	0	0
55°	4984	0	0	0	0
60°	0	0	207	0	0
65°	0	0	489	0	0
70°	0	302	604	0	0
75°	0	399	799	0	0
80°	0	595	1190	0	0
85°	0	1186	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 275149 cd/sqm

TEST NUMBER: P1326469

CATALOG NUMBER: LDSQA3D09R35W2N902750DE010 3LSQCA30R 1MMS_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	1.6
10°-20°	86.0	13.9
20°-30°	188.8	30.4
30°-40°	218.3	35.2
40°-50°	107.8	17.4
50°-60°	8.0	1.3
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.4	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°	284.8	45.9
0°-40°	503.1	81.1
0°-60°	618.9	99.8
0°-90°	620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	47	47	47	47	47	
5°	202	125	43	15	11	35
15°	1397	450	20	0	0	394
25°	1964	530	2	0	0	908
35°	2051	200	0	0	0	1267
45°	1130	34	0	0	0	829
55°	17	0	0	0	0	68
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
2.5°	92.9	95.2	94.0	94.0	93.5	90.5	85.2	83.4	76.9	60.9	47.3
5°	202.3	202.9	201.1	192.2	184.5	177.4	162.1	155.0	125.4	74.5	43.2
7.5°	410.5	401.6	390.4	378.0	350.7	325.9	293.4	259.1	194.0	86.4	38.4
10°	673.1	660.7	651.2	621.6	572.6	521.7	459.6	403.4	279.8	94.6	31.9
12.5°	1012.0	1004.9	971.2	912.1	839.3	766.0	657.7	568.4	366.1	96.4	26.0
15°	1397.1	1385.2	1333.8	1249.8	1151.0	1035.7	890.8	740.5	450.1	91.1	19.5
17.5°	1660.3	1653.8	1609.4	1521.3	1407.7	1261.0	1089.5	902.0	519.3	79.8	13.6
20°	1822.3	1812.9	1771.5	1697.0	1578.1	1424.9	1221.4	1004.9	559.5	65.7	8.9
21°	1864.3	1854.9	1821.8	1744.3	1630.7	1466.3	1257.5	1029.8	567.2	59.1	7.1
22°	1904.0	1894.5	1859.6	1791.0	1678.6	1507.1	1285.9	1048.7	566.0	53.8	5.3
23°	1937.1	1927.0	1892.7	1829.4	1716.5	1543.2	1307.2	1058.2	558.4	48.5	4.1
24°	1954.2	1948.3	1917.6	1857.8	1747.2	1568.6	1322.0	1061.7	548.9	43.2	3.0
25°	1964.3	1957.2	1927.0	1872.0	1767.3	1588.7	1331.4	1058.7	530.0	38.4	1.8
26°	1975.0	1964.3	1930.0	1876.8	1778.0	1598.2	1332.0	1051.1	509.9	34.3	0.6
27°	1984.4	1974.4	1938.9	1880.3	1779.8	1595.2	1327.3	1036.3	485.6	30.2	0.6
28°	2005.1	1993.9	1953.1	1888.0	1781.5	1587.5	1312.5	1016.2	453.7	26.6	0.0
29°	2032.3	2020.5	1973.8	1906.3	1785.7	1579.3	1292.4	989.5	425.9	23.7	0.0
30°	2054.8	2044.2	2001.0	1929.4	1796.3	1571.6	1268.7	953.5	388.0	20.1	0.0
31°	2071.4	2060.7	2021.1	1948.9	1805.8	1564.5	1239.1	916.2	353.7	17.7	0.0
32°	2075.5	2066.6	2029.4	1957.2	1805.8	1553.8	1211.9	874.2	320.0	14.8	0.0
33°	2073.7	2064.9	2027.0	1951.3	1789.8	1528.4	1178.8	823.9	281.5	13.0	0.0
34°	2067.2	2056.6	2016.4	1932.4	1758.5	1485.2	1130.9	773.7	241.3	10.6	0.0
35°	2051.3	2041.8	1998.0	1896.9	1710.0	1419.6	1067.0	715.7	199.9	8.9	0.0
36°	2035.9	2021.7	1967.9	1853.1	1646.1	1352.1	990.7	648.9	164.4	7.1	0.0
37°	2007.5	1987.4	1933.0	1789.8	1555.6	1256.9	903.8	575.5	137.8	5.3	0.0
38°	1969.6	1942.4	1873.2	1716.5	1464.5	1167.6	822.2	509.3	115.9	3.5	0.0
39°	1911.1	1879.1	1785.1	1615.9	1359.2	1064.1	728.7	438.9	98.8	2.4	0.0
40°	1823.5	1793.4	1689.3	1496.4	1254.5	949.9	632.9	359.6	84.0	1.2	0.0
42.5°	1518.3	1476.9	1356.3	1164.6	927.4	683.2	418.8	199.9	55.6	0.0	0.0
45°	1129.7	1093.1	974.8	800.3	618.1	418.2	224.2	117.7	34.3	0.0	0.0
47.5°	638.2	634.1	557.2	459.6	344.8	222.4	113.6	71.0	14.8	0.0	0.0
50°	343.1	321.8	277.4	210.6	143.7	97.0	61.5	39.0	3.0	0.0	0.0
52.5°	125.4	121.3	101.7	84.6	65.1	44.4	31.3	17.2	0.0	0.0	0.0
55°	16.6	15.4	16.0	17.2	17.7	15.4	10.1	3.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	1.2	1.2	1.2	0.0	0.0	0.0	0.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	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



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	46.7	46.7	46.7	46.7
2.5°	36.1	27.8	23.7	23.1
5°	24.8	15.4	11.2	10.6
7.5°	17.2	7.7	5.3	4.7
10°	10.1	3.5	1.8	1.2
12.5°	5.9	0.6	0.0	0.0
15°	1.8	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.6	0.0	0.0	0.0
67.5°	0.6	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.0
72.5°	0.6	0.0	0.0	0.0
75°	0.6	0.0	0.0	0.0
77.5°	0.6	0.0	0.0	0.0
80°	0.6	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.6	0.0	0.0	0.0
85°	0.6	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)