

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: P1326466

Luminaire Tested: LDSQA3D09R35W2N902750DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326466
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

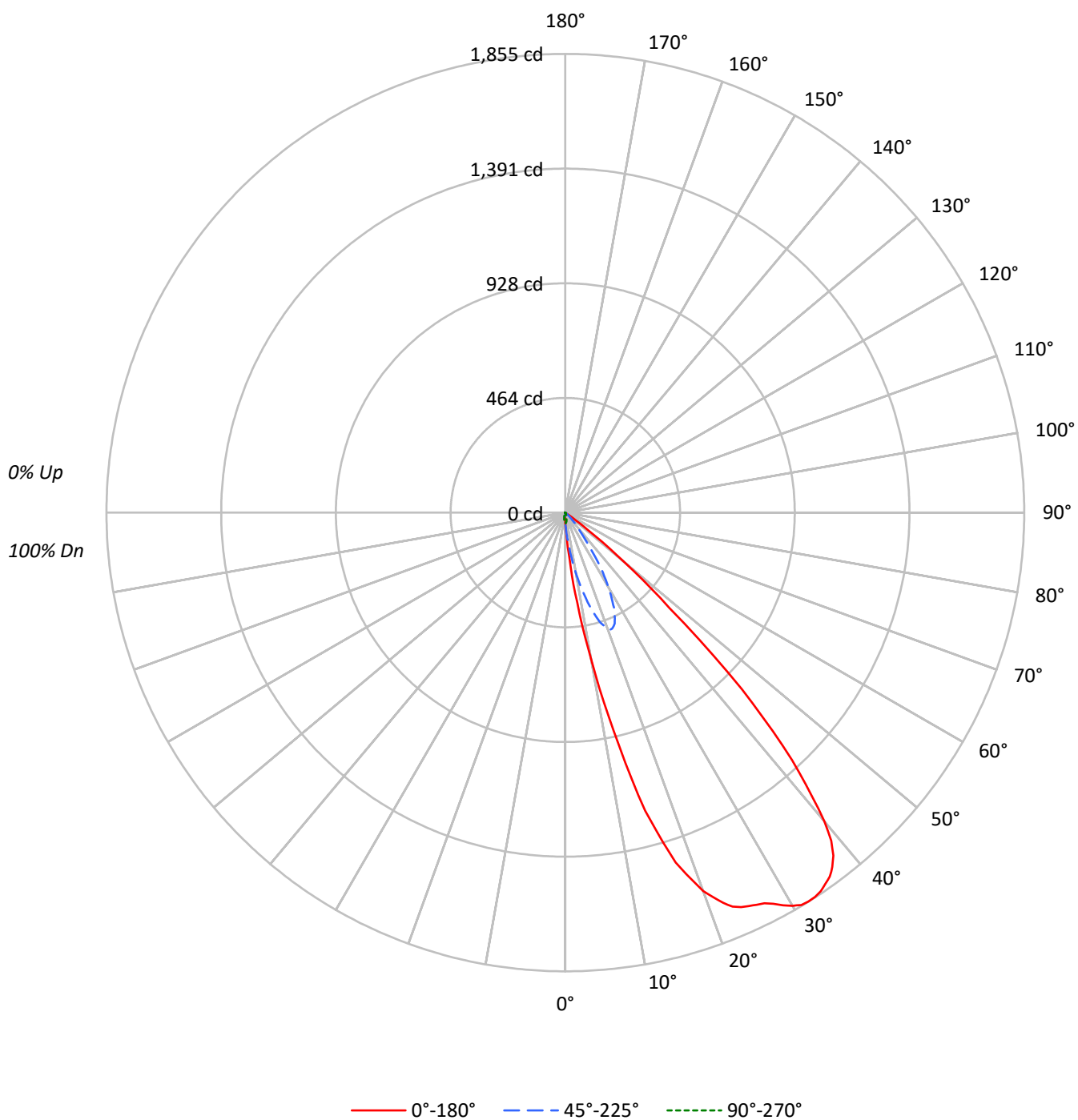
Lumens per Lamp: N/A
Luminaire Lumens: 554.0 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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°	7199	7199	7199	7199	7199
5°	31257	19363	6673	2368	1642
10°	105190	43720	4984	560	192
15°	222587	71711	3102	0	0
20°	298446	91638	1448	0	0
25°	333535	89978	304	0	0
30°	365137	68947	0	0	0
35°	385358	37550	0	0	0
40°	366323	16862	0	0	0
45°	245873	7477	0	0	0
50°	82121	697	0	0	0
55°	4444	0	0	0	0
60°	0	0	172	0	0
65°	0	0	448	0	0
70°	0	252	554	0	0
75°	0	333	732	0	0
80°	0	496	1091	0	0
85°	0	988	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 245873 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	1.6
10°-20°	76.9	13.9
20°-30°	168.7	30.4
30°-40°	195.1	35.2
40°-50°	96.3	17.4
50°-60°	7.1	1.3
60°-70°	0.2	0.0
70°-80°	0.4	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°	254.5	45.9
0°-40°	449.6	81.1
0°-60°	553.0	99.8
0°-90°	554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	554.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	181	112	39	14	10	31
15°	1248	402	17	0	0	352
25°	1755	474	2	0	0	811
35°	1833	179	0	0	0	1132
45°	1010	31	0	0	0	741
55°	15	0	0	0	0	60
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	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°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
2.5°	83.0	85.1	84.0	84.0	83.5	80.9	76.1	74.5	68.7	54.4	42.3
5°	180.8	181.3	179.7	171.8	164.9	158.6	144.8	138.5	112.0	66.6	38.6
7.5°	366.8	358.9	348.8	337.7	313.4	291.2	262.1	231.5	173.4	77.2	34.4
10°	601.5	590.4	581.9	555.5	511.6	466.2	410.7	360.4	250.0	84.6	28.5
12.5°	904.3	897.9	867.8	815.0	750.0	684.4	587.7	507.9	327.2	86.1	23.3
15°	1248.4	1237.8	1191.8	1116.8	1028.5	925.4	795.9	661.7	402.2	81.4	17.4
17.5°	1483.5	1477.7	1438.1	1359.3	1257.9	1126.8	973.5	806.0	464.0	71.3	12.2
20°	1628.4	1619.9	1582.9	1516.3	1410.1	1273.2	1091.4	897.9	500.0	58.7	7.9
21°	1665.9	1657.4	1627.8	1558.6	1457.1	1310.2	1123.6	920.1	506.8	52.9	6.3
22°	1701.3	1692.8	1661.7	1600.3	1499.9	1346.7	1149.0	937.1	505.8	48.1	4.8
23°	1730.9	1721.9	1691.2	1634.7	1533.8	1378.9	1168.0	945.5	498.9	43.3	3.7
24°	1746.2	1740.9	1713.4	1660.1	1561.2	1401.6	1181.2	948.7	490.5	38.6	2.6
25°	1755.2	1748.9	1721.9	1672.8	1579.2	1419.6	1189.7	946.0	473.5	34.4	1.6
26°	1764.7	1755.2	1724.5	1677.0	1588.7	1428.0	1190.2	939.2	455.6	30.7	0.5
27°	1773.2	1764.2	1732.5	1680.2	1590.3	1425.4	1186.0	926.0	433.9	27.0	0.5
28°	1791.7	1781.6	1745.2	1687.0	1591.9	1418.5	1172.8	908.0	405.4	23.8	0.0
29°	1816.0	1805.4	1763.7	1703.4	1595.6	1411.1	1154.8	884.2	380.5	21.1	0.0
30°	1836.1	1826.5	1788.0	1724.0	1605.1	1404.3	1133.7	852.0	346.7	18.0	0.0
31°	1850.9	1841.3	1805.9	1741.5	1613.6	1397.9	1107.2	818.7	316.1	15.9	0.0
32°	1854.6	1846.6	1813.3	1748.9	1613.6	1388.4	1082.9	781.1	285.9	13.2	0.0
33°	1853.0	1845.0	1811.2	1743.6	1599.3	1365.7	1053.3	736.2	251.6	11.6	0.0
34°	1847.2	1837.6	1801.7	1726.7	1571.3	1327.1	1010.5	691.3	215.6	9.5	0.0
35°	1832.9	1824.4	1785.3	1694.9	1527.9	1268.4	953.4	639.5	178.6	7.9	0.0
36°	1819.2	1806.5	1758.4	1655.8	1470.9	1208.2	885.3	579.8	146.9	6.3	0.0
37°	1793.8	1775.8	1727.2	1599.3	1390.0	1123.1	807.6	514.2	123.1	4.8	0.0
38°	1760.0	1735.6	1673.8	1533.8	1308.6	1043.3	734.6	455.1	103.6	3.2	0.0
39°	1707.6	1679.1	1595.1	1443.9	1214.5	950.8	651.1	392.2	88.3	2.1	0.0
40°	1629.4	1602.5	1509.4	1337.1	1121.0	848.8	565.5	321.3	75.0	1.1	0.0
42.5°	1356.7	1319.7	1211.9	1040.6	828.7	610.4	374.2	178.6	49.7	0.0	0.0
45°	1009.5	976.7	871.0	715.1	552.3	373.7	200.3	105.2	30.7	0.0	0.0
47.5°	570.3	566.6	497.9	410.7	308.1	198.7	101.5	63.4	13.2	0.0	0.0
50°	306.5	287.5	247.9	188.2	128.4	86.7	55.0	34.9	2.6	0.0	0.0
52.5°	112.0	108.3	90.9	75.6	58.1	39.6	28.0	15.3	0.0	0.0	0.0
55°	14.8	13.7	14.3	15.3	15.9	13.7	9.0	3.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	1.1	1.1	1.1	0.0	0.0	0.0	0.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1



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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	0.5	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
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°	41.8	41.8	41.8	41.8
2.5°	32.2	24.8	21.1	20.6
5°	22.2	13.7	10.0	9.5
7.5°	15.3	6.9	4.8	4.2
10°	9.0	3.2	1.6	1.1
12.5°	5.3	0.5	0.0	0.0
15°	1.6	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°	0.5	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0
72.5°	0.5	0.0	0.0	0.0
75°	0.5	0.0	0.0	0.0
77.5°	0.5	0.0	0.0	0.0
80°	0.5	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.5	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)