

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: P1326279

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R30W2N902750DE010 3LSQCA30R 1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

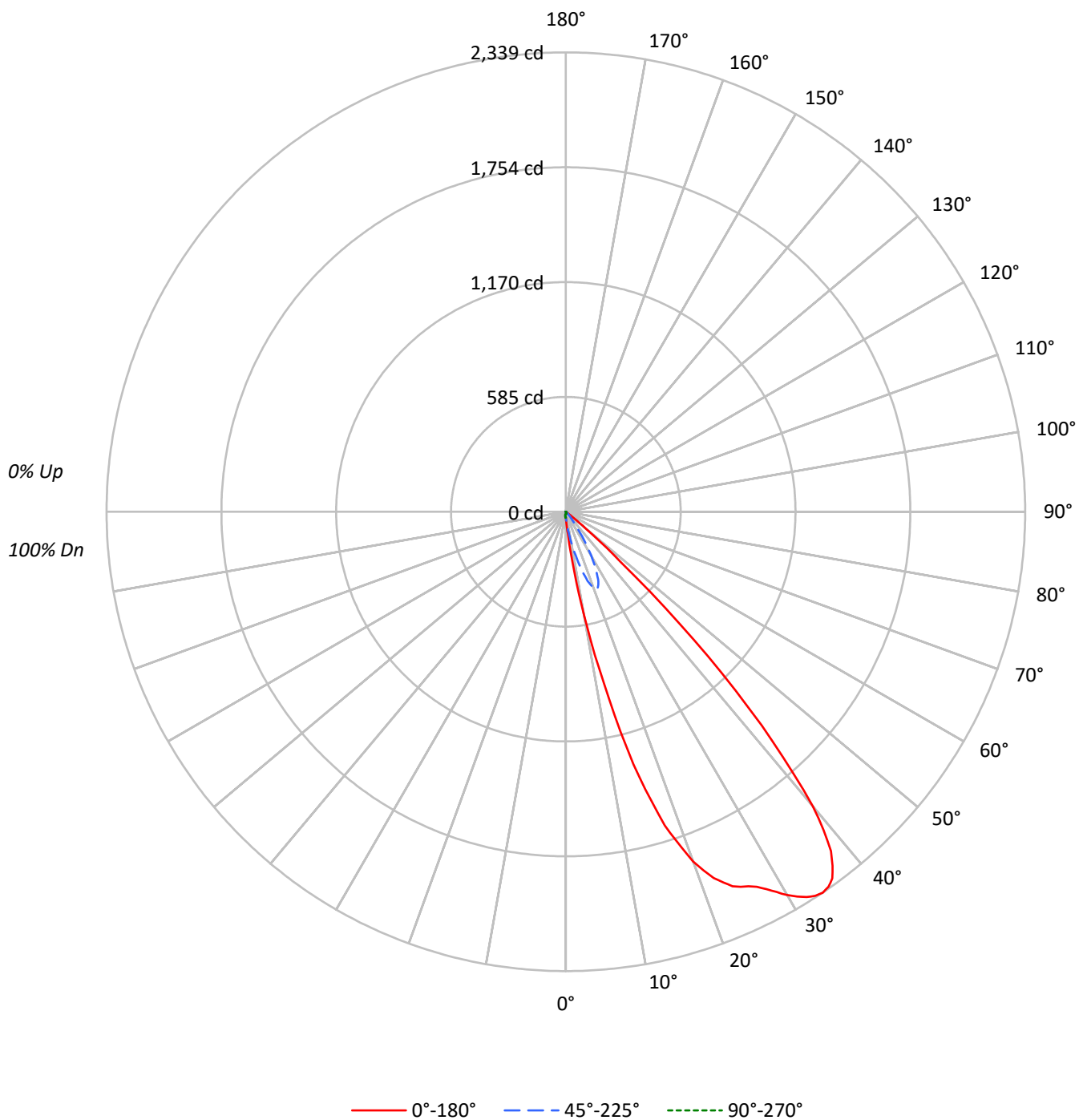
Lumens per Lamp: N/A
Luminaire Lumens: 563.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5184	5184	5184	5184	5184
5°	18809	11687	4754	1919	1366
10°	93141	27998	3690	367	0
15°	237582	53311	2354	0	0
20°	347142	75821	971	0	0
25°	400500	74395	209	0	0
30°	448223	51069	0	0	0
35°	490207	21992	0	0	0
40°	439974	8543	0	0	0
45°	224684	3483	0	0	0
50°	34670	429	0	0	0
55°	2072	0	150	0	0
60°	0	0	172	0	0
65°	0	0	448	0	0
70°	0	252	554	0	0
75°	0	333	1065	0	0
80°	0	496	1587	0	0
85°	0	988	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 224684 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	1.1
10°-20°	75.0	13.3
20°-30°	185.4	32.9
30°-40°	213.2	37.9
40°-50°	79.1	14.0
50°-60°	2.9	0.5
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°	266.7	47.4
0°-40°	479.9	85.2
0°-60°	561.8	99.8
0°-90°	563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	563.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	109	68	28	11	8	24
15°	1332	299	13	0	0	383
25°	2108	392	1	0	0	974
35°	2332	105	0	0	0	1414
45°	922	14	0	0	0	718
55°	7	0	0	0	0	24
65°	0	0	1	0	0	0
75°	0	0	2	0	0	0
85°	0	0	2	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
2.5°	53.4	53.9	53.9	52.3	51.8	51.2	49.7	44.9	37.5	30.1	24.3
5°	108.8	109.4	109.4	106.2	99.9	93.5	88.2	67.6	43.3	27.5	18.0
7.5°	256.8	257.3	246.2	233.5	208.2	195.0	170.7	104.1	49.1	24.8	11.6
10°	532.6	520.9	491.9	454.9	415.8	365.1	313.8	160.1	53.4	21.1	7.4
12.5°	890.3	879.2	841.7	788.8	712.2	612.9	515.7	225.1	53.9	16.9	4.2
15°	1332.5	1301.3	1256.4	1168.7	1055.6	901.9	741.3	299.0	51.8	13.2	1.1
17.5°	1675.4	1646.9	1589.8	1487.3	1346.8	1176.1	979.0	369.3	46.0	8.5	0.0
20°	1894.1	1864.0	1810.6	1720.3	1570.8	1370.5	1144.9	413.7	38.0	5.3	0.0
21°	1956.5	1927.4	1875.1	1785.3	1636.3	1436.6	1185.6	423.2	34.3	4.2	0.0
22°	2011.4	1988.7	1940.1	1842.3	1690.7	1485.2	1226.8	424.3	31.7	3.2	0.0
23°	2050.0	2033.6	1985.0	1895.2	1744.1	1524.8	1249.0	417.9	28.5	2.1	0.0
24°	2087.0	2066.9	2025.1	1941.7	1786.3	1558.1	1269.1	406.3	25.4	1.6	0.0
25°	2107.6	2084.3	2052.1	1973.9	1821.2	1579.2	1281.2	391.5	22.2	1.1	0.0
26°	2121.8	2103.9	2068.5	1992.9	1836.0	1593.0	1282.8	369.8	20.1	0.5	0.0
27°	2143.5	2125.5	2091.2	2009.8	1842.3	1590.8	1273.3	345.0	17.4	0.0	0.0
28°	2176.3	2152.5	2118.1	2027.8	1845.0	1581.9	1252.2	318.1	14.8	0.0	0.0
29°	2213.8	2189.5	2151.9	2051.6	1845.5	1563.9	1218.9	288.5	13.2	0.0	0.0
30°	2253.9	2232.8	2194.7	2074.8	1851.3	1540.7	1180.3	256.8	10.6	0.0	0.0
31°	2285.6	2266.6	2225.9	2095.9	1856.1	1520.6	1132.8	225.1	9.0	0.0	0.0
32°	2313.1	2296.2	2246.0	2100.7	1846.6	1492.0	1082.1	194.4	7.4	0.0	0.0
33°	2332.1	2311.0	2252.3	2088.5	1819.1	1445.0	1025.5	165.4	5.8	0.0	0.0
34°	2339.0	2313.6	2242.8	2056.8	1763.6	1373.7	952.1	135.3	4.8	0.0	0.0
35°	2331.6	2300.4	2208.5	2002.4	1688.6	1288.6	863.8	104.6	3.7	0.0	0.0
36°	2307.8	2268.2	2159.3	1924.8	1581.3	1188.2	775.6	81.4	2.6	0.0	0.0
37°	2256.6	2212.7	2075.3	1822.3	1475.1	1073.1	675.2	63.4	1.6	0.0	0.0
38°	2193.7	2130.3	1963.3	1692.8	1337.8	943.6	575.9	52.3	1.1	0.0	0.0
39°	2086.4	2016.7	1830.2	1543.8	1203.0	820.5	479.2	45.4	0.5	0.0	0.0
40°	1957.0	1874.0	1678.0	1384.3	1044.0	691.6	400.0	38.0	0.5	0.0	0.0
42.5°	1476.2	1405.9	1195.1	941.5	638.2	407.9	221.9	24.8	0.0	0.0	0.0
45°	922.5	849.1	706.4	516.2	345.5	211.3	106.7	14.3	0.0	0.0	0.0
47.5°	376.7	345.5	284.2	218.7	156.4	99.3	44.4	6.3	0.0	0.0	0.0
50°	129.4	115.2	96.7	70.8	50.2	34.3	23.2	1.6	0.0	0.0	0.0
52.5°	37.5	38.0	33.3	28.5	22.2	15.9	11.6	0.0	0.0	0.0	0.0
55°	6.9	5.8	6.9	6.3	6.9	5.8	4.2	0.0	0.0	0.5	0.0
57.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
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):

	135°	157.5°	180°
0°	30.1	30.1	30.1
2.5°	19.5	17.4	16.4
5°	11.1	8.5	7.9
7.5°	5.8	3.7	3.2
10°	2.1	0.5	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)