

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: P1326281

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQCA30R 1MMS_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326281
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_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

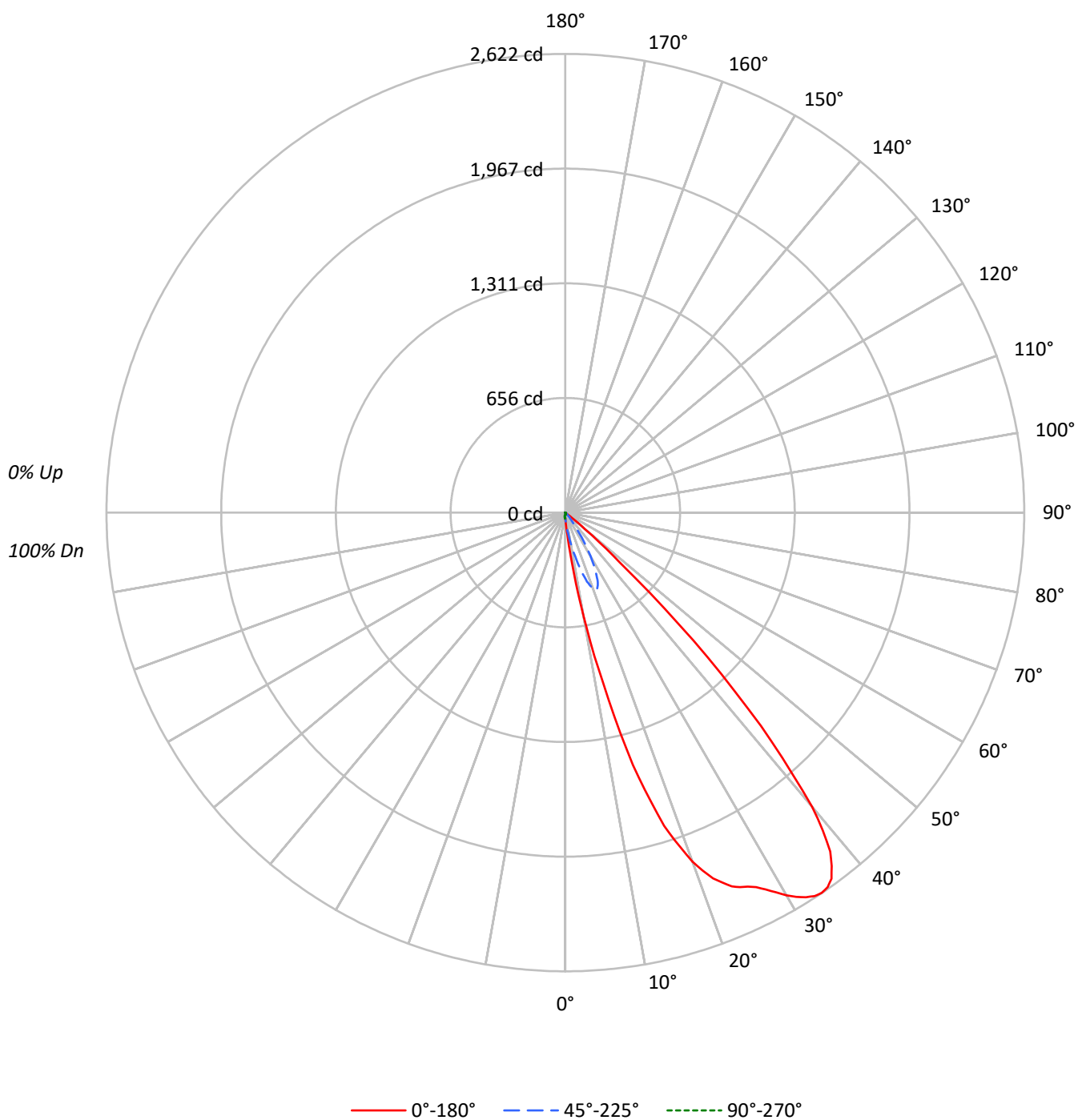
Lumens per Lamp: N/A
Luminaire Lumens: 631.0 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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°	5821	5821	5821	5821	5821
5°	21091	13104	5325	2144	1539
10°	104386	31373	4145	420	0
15°	266270	59765	2639	0	0
20°	389076	84985	1081	0	0
25°	448862	83384	228	0	0
30°	502374	57234	0	0	0
35°	549412	24641	0	0	0
40°	493122	9577	0	0	0
45°	251816	3897	0	0	0
50°	38877	482	0	0	0
55°	2312	0	180	0	0
60°	0	0	207	0	0
65°	0	0	489	0	0
70°	0	302	604	0	0
75°	0	399	1198	0	0
80°	0	595	1785	0	0
85°	0	1186	3557	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 251816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	1.1
10°-20°	84.1	13.3
20°-30°	207.8	32.9
30°-40°	238.9	37.9
40°-50°	88.6	14.0
50°-60°	3.2	0.5
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	298.9	47.4
0°-40°	537.8	85.2
0°-60°	629.7	99.8
0°-90°	631.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	631.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	34	34	34	34	34	
5°	122	76	31	12	9	26
15°	1493	335	15	0	0	429
25°	2362	439	1	0	0	1091
35°	2613	117	0	0	0	1584
45°	1034	16	0	0	0	805
55°	8	0	1	0	0	26
65°	0	0	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	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°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
2.5°	59.8	60.4	60.4	58.6	58.0	57.4	55.7	50.3	42.0	33.8	27.2
5°	122.0	122.6	122.6	119.0	111.9	104.8	98.9	75.8	48.6	30.8	20.1
7.5°	287.8	288.4	275.9	261.7	233.3	218.5	191.3	116.7	55.1	27.8	13.0
10°	596.9	583.9	551.3	509.8	466.0	409.2	351.7	179.4	59.8	23.7	8.3
12.5°	997.8	985.4	943.3	884.1	798.2	686.9	577.9	252.3	60.4	18.9	4.7
15°	1493.4	1458.5	1408.2	1309.9	1183.1	1010.8	830.8	335.2	58.0	14.8	1.2
17.5°	1877.7	1845.8	1781.8	1666.9	1509.4	1318.1	1097.3	413.9	51.5	9.5	0.0
20°	2122.9	2089.1	2029.3	1928.1	1760.5	1536.1	1283.2	463.7	42.6	5.9	0.0
21°	2192.8	2160.2	2101.6	2000.9	1833.9	1610.1	1328.8	474.3	38.5	4.7	0.0
22°	2254.3	2228.9	2174.4	2064.9	1894.9	1664.6	1375.0	475.5	35.5	3.6	0.0
23°	2297.6	2279.2	2224.7	2124.1	1954.7	1709.0	1399.9	468.4	32.0	2.4	0.0
24°	2339.0	2316.5	2269.7	2176.2	2002.1	1746.3	1422.4	455.4	28.4	1.8	0.0
25°	2362.1	2336.1	2299.9	2212.3	2041.2	1770.0	1436.0	438.8	24.9	1.2	0.0
26°	2378.1	2358.0	2318.3	2233.6	2057.8	1785.4	1437.8	414.5	22.5	0.6	0.0
27°	2402.4	2382.3	2343.8	2252.6	2064.9	1783.0	1427.1	386.7	19.5	0.0	0.0
28°	2439.1	2412.5	2374.0	2272.7	2067.8	1772.9	1403.4	356.5	16.6	0.0	0.0
29°	2481.1	2453.9	2411.9	2299.4	2068.4	1752.8	1366.1	323.3	14.8	0.0	0.0
30°	2526.2	2502.5	2459.8	2325.4	2074.9	1726.7	1322.9	287.8	11.8	0.0	0.0
31°	2561.7	2540.4	2494.8	2349.1	2080.3	1704.2	1269.6	252.3	10.1	0.0	0.0
32°	2592.5	2573.5	2517.3	2354.4	2069.6	1672.3	1212.7	217.9	8.3	0.0	0.0
33°	2613.8	2590.1	2524.4	2340.8	2038.8	1619.6	1149.4	185.3	6.5	0.0	0.0
34°	2621.5	2593.1	2513.7	2305.3	1976.6	1539.6	1067.1	151.6	5.3	0.0	0.0
35°	2613.2	2578.3	2475.2	2244.3	1892.5	1444.3	968.2	117.2	4.1	0.0	0.0
36°	2586.6	2542.1	2420.2	2157.2	1772.3	1331.8	869.3	91.2	3.0	0.0	0.0
37°	2529.1	2480.0	2326.0	2042.4	1653.3	1202.7	756.8	71.1	1.8	0.0	0.0
38°	2458.6	2387.6	2200.5	1897.3	1499.3	1057.6	645.5	58.6	1.2	0.0	0.0
39°	2338.4	2260.3	2051.2	1730.3	1348.3	919.6	537.1	50.9	0.6	0.0	0.0
40°	2193.4	2100.4	1880.7	1551.5	1170.1	775.1	448.3	42.6	0.6	0.0	0.0
42.5°	1654.5	1575.7	1339.5	1055.2	715.3	457.1	248.7	27.8	0.0	0.0	0.0
45°	1033.9	951.6	791.7	578.5	387.3	236.9	119.6	16.0	0.0	0.0	0.0
47.5°	422.2	387.3	318.6	245.2	175.3	111.3	49.7	7.1	0.0	0.0	0.0
50°	145.1	129.1	108.4	79.3	56.3	38.5	26.1	1.8	0.0	0.0	0.0
52.5°	42.0	42.6	37.3	32.0	24.9	17.8	13.0	0.0	0.0	0.0	0.0
55°	7.7	6.5	7.7	7.1	7.7	6.5	4.7	0.0	0.0	0.6	0.0
57.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6



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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	0.6	1.2	1.8	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	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

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	33.8	33.8	33.8
2.5°	21.9	19.5	18.4
5°	12.4	9.5	8.9
7.5°	6.5	4.1	3.6
10°	2.4	0.6	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)