

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: P1323588

Luminaire Tested: LDSQA3D05R259030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

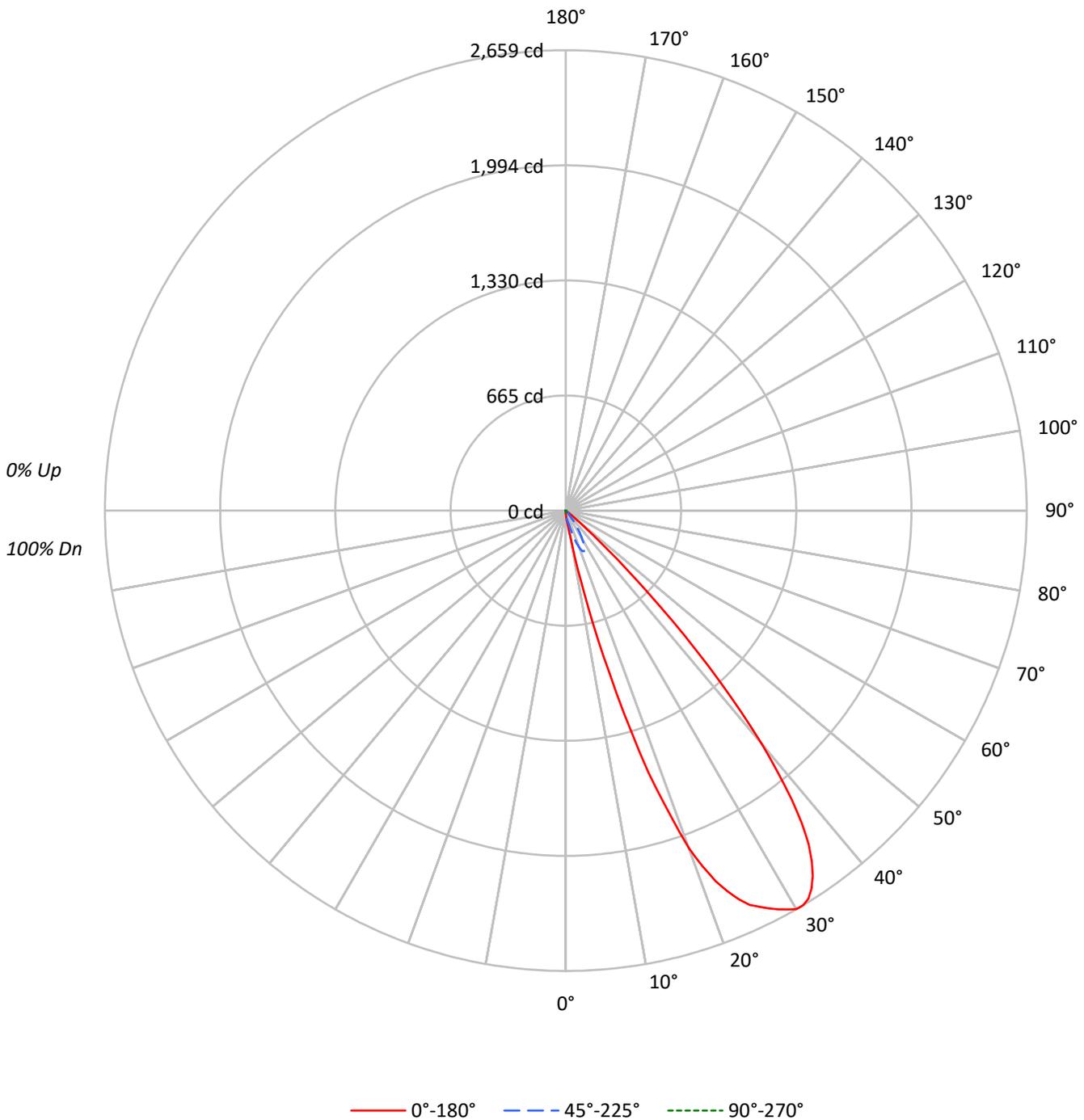
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 521.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	0
RW	70	50	30	10	70	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	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2842	2842	2842	2842	2842
5°	8886	6206	2593	1383	1037
10°	28016	11262	1924	175	0
15°	173234	21449	1159	0	0
20°	379820	41787	367	0	0
25°	477442	48077	0	0	0
30°	528545	37208	0	0	0
35°	520272	21088	0	0	0
40°	395460	5508	0	0	0
45°	160189	2436	0	0	0
50°	17791	268	0	0	0
55°	1351	0	150	0	0
60°	0	0	172	0	0
65°	0	0	408	0	0
70°	0	252	504	0	0
75°	0	333	998	0	0
80°	0	496	1488	0	0
85°	0	988	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 160189 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.5
10°-20°	53.8	10.3
20°-30°	188.1	36.1
30°-40°	209.9	40.3
40°-50°	63.4	12.2
50°-60°	2.1	0.4
60°-70°	0.3	0.1
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°	244.5	46.9
0°-40°	454.4	87.2
0°-60°	519.9	99.8
0°-90°	521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	521.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	16	16	16	16	16	
5°	51	36	15	8	6	8
15°	972	120	6	0	0	323
25°	2512	253	0	0	0	1146
35°	2475	100	0	0	0	1486
45°	658	10	0	0	0	568
55°	4	0	0	0	0	14
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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
2.5°	28.4	29.4	28.9	29.4	28.9	28.9	28.9	29.4	28.9	28.9	28.9
5°	51.4	51.9	51.9	51.4	51.4	52.4	51.4	51.9	50.4	51.4	50.9
7.5°	84.3	83.3	83.3	83.8	83.8	82.8	82.3	81.3	82.3	82.3	80.8
10°	160.2	159.2	156.7	155.7	156.7	156.7	151.7	152.7	153.2	148.7	147.2
12.5°	470.6	467.1	474.1	463.1	456.6	446.1	452.1	431.6	427.2	424.2	417.2
15°	971.6	998.0	986.6	987.6	989.5	964.6	973.1	942.1	916.2	908.2	902.7
17.5°	1584.4	1592.4	1581.9	1576.9	1574.9	1562.9	1548.4	1533.0	1513.0	1495.5	1481.1
20°	2072.4	2066.4	2048.5	2050.5	2029.0	2018.0	2005.5	1990.1	1974.6	1949.2	1924.7
21°	2201.2	2183.7	2184.2	2172.2	2171.7	2157.7	2135.8	2119.8	2105.8	2076.9	2061.4
22°	2306.9	2303.0	2294.0	2285.0	2275.5	2268.5	2244.1	2236.1	2207.6	2183.7	2161.7
23°	2389.3	2390.8	2382.8	2376.8	2363.8	2360.8	2329.4	2318.4	2299.0	2262.5	2240.1
24°	2457.6	2455.2	2446.2	2435.7	2428.2	2421.2	2397.3	2379.3	2357.8	2327.9	2305.9
25°	2512.5	2506.6	2500.6	2492.6	2480.6	2472.6	2448.2	2428.2	2409.7	2376.3	2346.4
26°	2545.0	2546.5	2537.0	2531.0	2520.5	2512.5	2487.1	2463.6	2440.7	2404.8	2377.8
27°	2577.9	2576.4	2567.9	2558.9	2548.0	2545.0	2515.5	2491.1	2467.6	2429.7	2397.8
28°	2608.3	2604.4	2597.4	2586.9	2574.9	2565.9	2537.5	2512.0	2486.6	2446.2	2411.2
29°	2633.8	2629.8	2625.3	2611.8	2596.4	2590.4	2559.9	2529.0	2503.6	2462.1	2425.2
30°	2657.8	2650.3	2639.8	2628.3	2613.3	2601.9	2569.9	2543.0	2513.0	2467.1	2431.7
31°	2658.8	2648.8	2641.3	2629.3	2612.3	2598.4	2564.9	2537.5	2502.6	2459.6	2421.2
32°	2641.3	2636.3	2624.3	2611.3	2594.9	2580.9	2544.0	2515.0	2482.1	2436.2	2397.8
33°	2601.9	2596.9	2589.9	2576.4	2555.0	2542.0	2509.0	2477.1	2444.7	2403.3	2359.3
34°	2547.5	2541.5	2532.5	2519.0	2497.1	2483.6	2457.1	2424.2	2389.8	2346.9	2305.9
35°	2474.6	2463.1	2460.6	2440.7	2420.2	2416.7	2385.3	2350.9	2315.9	2268.5	2233.1
36°	2384.3	2370.8	2361.8	2354.9	2341.4	2324.9	2294.0	2266.5	2221.6	2191.2	2141.3
37°	2261.0	2244.6	2253.1	2234.1	2213.1	2206.1	2166.7	2141.8	2103.8	2062.4	2020.0
38°	2117.3	2115.8	2113.8	2105.3	2069.4	2051.0	2034.5	2008.0	1975.1	1925.2	1867.8
39°	1935.7	1938.7	1928.2	1929.2	1911.2	1892.8	1869.8	1839.9	1799.9	1754.5	1708.1
40°	1759.0	1716.6	1724.1	1698.6	1700.1	1672.7	1642.8	1616.3	1590.9	1550.9	1487.6
42.5°	1217.1	1210.6	1188.2	1172.2	1179.2	1143.7	1104.3	1067.4	1032.0	987.1	931.7
45°	657.7	642.7	647.2	621.3	621.3	605.3	594.3	563.4	530.5	510.0	478.1
47.5°	244.5	247.5	253.0	242.5	230.5	237.5	227.1	227.1	221.6	215.1	206.1
50°	66.4	67.4	66.4	66.4	64.9	63.9	61.9	61.4	60.9	59.4	56.9
52.5°	26.9	25.4	25.4	25.9	25.9	25.0	25.4	25.4	25.0	24.5	24.5
55°	4.5	5.0	5.0	5.0	5.0	4.5	4.5	5.0	5.5	5.0	5.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
2.5°	27.9	24.5	20.5	17.0	13.5	11.5	10.5	11.0
5°	47.4	35.9	23.5	15.0	10.5	8.0	6.5	6.0
7.5°	72.9	49.4	26.4	13.0	8.0	4.0	2.5	2.0
10°	111.8	64.4	28.4	11.0	5.0	1.0	0.0	0.0
12.5°	286.9	78.8	28.9	9.0	2.0	0.0	0.0	0.0
15°	589.8	120.3	27.9	6.5	0.5	0.0	0.0	0.0
17.5°	980.6	184.1	24.5	4.5	0.0	0.0	0.0	0.0
20°	1360.3	228.0	19.5	2.0	0.0	0.0	0.0	0.0
21°	1474.6	241.0	17.5	1.5	0.0	0.0	0.0	0.0
22°	1567.9	250.5	15.5	1.0	0.0	0.0	0.0	0.0
23°	1645.8	255.5	13.5	0.5	0.0	0.0	0.0	0.0
24°	1700.1	256.5	12.5	0.5	0.0	0.0	0.0	0.0
25°	1726.1	253.0	11.0	0.0	0.0	0.0	0.0	0.0
26°	1736.1	246.0	10.0	0.0	0.0	0.0	0.0	0.0
27°	1728.6	237.0	9.0	0.0	0.0	0.0	0.0	0.0
28°	1715.1	223.6	7.5	0.0	0.0	0.0	0.0	0.0
29°	1688.7	205.6	6.5	0.0	0.0	0.0	0.0	0.0
30°	1663.2	187.1	5.5	0.0	0.0	0.0	0.0	0.0
31°	1634.3	170.7	4.5	0.0	0.0	0.0	0.0	0.0
32°	1598.8	151.7	3.5	0.0	0.0	0.0	0.0	0.0
33°	1540.0	134.2	2.5	0.0	0.0	0.0	0.0	0.0
34°	1457.6	117.8	2.0	0.0	0.0	0.0	0.0	0.0
35°	1347.3	100.3	1.5	0.0	0.0	0.0	0.0	0.0
36°	1226.6	81.8	1.0	0.0	0.0	0.0	0.0	0.0
37°	1078.9	59.4	1.0	0.0	0.0	0.0	0.0	0.0
38°	924.7	37.4	0.5	0.0	0.0	0.0	0.0	0.0
39°	767.0	28.4	0.5	0.0	0.0	0.0	0.0	0.0
40°	622.8	24.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	333.3	16.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	196.6	10.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	109.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	39.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	5.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0
57.5°	0.5	0.0	0.5	0.5	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.0	1.0	0.5	0.0	0.0	0.0
67.5°	0.0	0.5	1.0	1.0	0.5	0.0	0.0	0.0
70°	0.0	0.5	1.0	1.0	0.5	0.0	0.0	0.0
72.5°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
75°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
77.5°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
80°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
85°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
87.5°	0.0	0.5	1.0	1.5	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)