

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: P1319937

Luminaire Tested: LDSQA3D09R259840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319937
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: LDSQA3D09R259840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

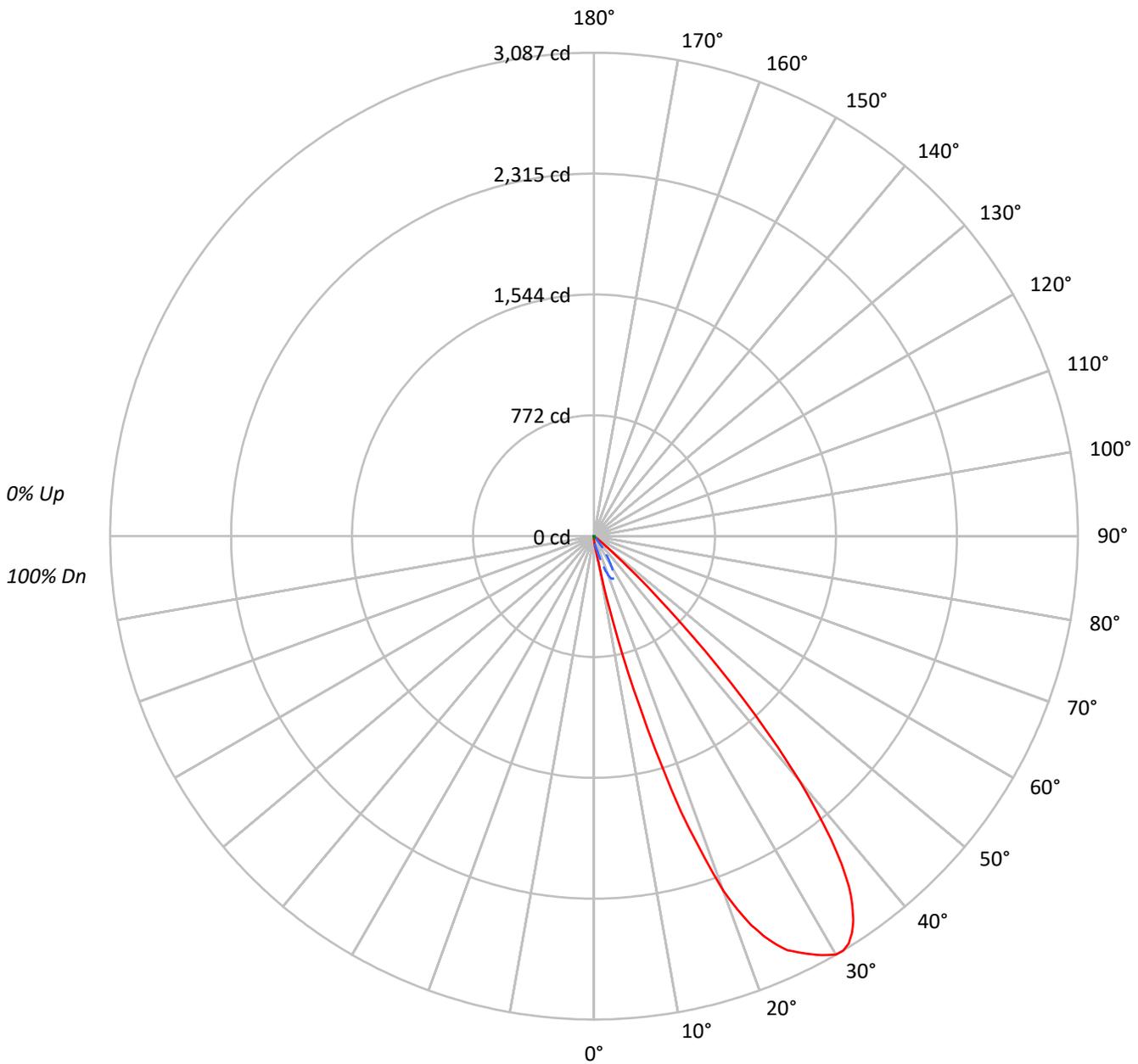
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 605.0 lumens
Efficiency: N/A
Efficacy: 55.0 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
Input Voltage (V): NR
Input Current (A_{in}): 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



— 0°-180° - - - 45°-225° ····· 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	92	92	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	83	83	83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75	75	75	75
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67	67	67	67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61	61	61	61
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55	55	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49	49	49
8	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45	45	45	45
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3289	3289	3289	3289	3289
5°	10321	7209	3008	1608	1210
10°	32528	13081	2221	210	0
15°	201156	24908	1337	0	0
20°	441053	48531	422	0	0
25°	554422	55830	0	0	0
30°	613759	43213	0	0	0
35°	604160	24494	0	0	0
40°	459219	6385	0	0	0
45°	186006	2825	0	0	0
50°	20657	322	0	0	0
55°	1561	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	1131	0	0
80°	0	595	1686	0	0
85°	0	1186	3359	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 186006 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.5
10°-20°	62.5	10.3
20°-30°	218.4	36.1
30°-40°	243.7	40.3
40°-50°	73.6	12.2
50°-60°	2.5	0.4
60°-70°	0.3	0.1
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°	283.9	46.9
0°-40°	527.6	87.2
0°-60°	603.7	99.8
0°-90°	605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	60	42	17	9	7	9
15°	1128	140	8	0	0	375
25°	2918	294	0	0	0	1331
35°	2874	116	0	0	0	1725
45°	764	12	0	0	0	660
55°	5	0	1	0	0	16
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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
2.5°	33.0	34.2	33.6	34.2	33.6	33.6	33.6	34.2	33.6	33.6	33.6
5°	59.7	60.3	60.3	59.7	59.7	60.8	59.7	60.3	58.5	59.7	59.1
7.5°	97.9	96.8	96.8	97.4	97.4	96.2	95.6	94.5	95.6	95.6	93.9
10°	186.0	184.9	182.0	180.8	182.0	182.0	176.2	177.3	177.9	172.7	170.9
12.5°	546.4	542.4	550.5	537.7	530.2	518.0	525.0	501.2	496.0	492.5	484.4
15°	1128.2	1158.9	1145.6	1146.8	1149.1	1120.1	1130.0	1094.0	1063.9	1054.6	1048.3
17.5°	1839.8	1849.1	1836.9	1831.1	1828.8	1814.9	1798.1	1780.1	1757.0	1736.7	1719.9
20°	2406.5	2399.6	2378.7	2381.0	2356.1	2343.4	2328.9	2310.9	2293.0	2263.4	2235.0
21°	2556.0	2535.8	2536.3	2522.4	2521.9	2505.6	2480.1	2461.6	2445.4	2411.8	2393.8
22°	2678.9	2674.3	2663.8	2653.4	2642.4	2634.3	2605.9	2596.6	2563.6	2535.8	2510.3
23°	2774.5	2776.2	2767.0	2760.0	2744.9	2741.5	2705.0	2692.2	2669.6	2627.3	2601.2
24°	2853.9	2851.0	2840.6	2828.4	2819.7	2811.6	2783.8	2762.9	2738.0	2703.2	2677.7
25°	2917.6	2910.7	2903.7	2894.5	2880.5	2871.3	2842.9	2819.7	2798.3	2759.4	2724.7
26°	2955.3	2957.0	2946.0	2939.1	2926.9	2917.6	2888.1	2860.8	2834.2	2792.5	2761.2
27°	2993.5	2991.8	2982.0	2971.5	2958.8	2955.3	2921.1	2892.7	2865.5	2821.4	2784.4
28°	3028.9	3024.3	3016.1	3004.0	2990.1	2979.6	2946.6	2917.1	2887.5	2840.6	2800.0
29°	3058.4	3053.8	3048.6	3032.9	3015.0	3008.0	2972.7	2936.8	2907.2	2859.1	2816.2
30°	3086.3	3077.6	3065.4	3052.1	3034.7	3021.4	2984.3	2953.0	2918.2	2864.9	2823.8
31°	3087.4	3075.8	3067.1	3053.2	3033.5	3017.3	2978.5	2946.6	2906.0	2856.2	2811.6
32°	3067.1	3061.3	3047.4	3032.4	3013.2	2997.0	2954.1	2920.5	2882.3	2829.0	2784.4
33°	3021.4	3015.6	3007.4	2991.8	2966.9	2951.8	2913.6	2876.5	2838.8	2790.7	2739.7
34°	2958.2	2951.2	2940.8	2925.2	2899.7	2884.0	2853.3	2815.1	2775.1	2725.2	2677.7
35°	2873.6	2860.3	2857.4	2834.2	2810.4	2806.4	2769.9	2729.9	2689.3	2634.3	2593.1
36°	2768.7	2753.1	2742.6	2734.5	2718.9	2699.8	2663.8	2632.0	2579.8	2544.5	2486.5
37°	2625.6	2606.5	2616.3	2594.3	2569.9	2561.8	2516.1	2487.1	2443.0	2394.9	2345.7
38°	2458.7	2457.0	2454.6	2444.8	2403.1	2381.6	2362.5	2331.8	2293.5	2235.6	2169.0
39°	2247.8	2251.2	2239.1	2240.2	2219.4	2197.9	2171.3	2136.5	2090.1	2037.4	1983.5
40°	2042.6	1993.4	2002.1	1972.5	1974.3	1942.4	1907.6	1876.9	1847.4	1801.0	1727.4
42.5°	1413.3	1405.8	1379.7	1361.2	1369.3	1328.1	1282.4	1239.5	1198.3	1146.2	1081.9
45°	763.7	746.4	751.6	721.4	721.4	702.9	690.1	654.2	616.0	592.2	555.1
47.5°	283.9	287.4	293.8	281.6	267.7	275.8	263.7	263.7	257.3	249.8	239.3
50°	77.1	78.2	77.1	77.1	75.3	74.2	71.9	71.3	70.7	69.0	66.1
52.5°	31.3	29.6	29.6	30.1	30.1	29.0	29.6	29.6	29.0	28.4	28.4
55°	5.2	5.8	5.8	5.8	5.8	5.2	5.2	5.8	6.4	5.8	5.8
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°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
2.5°	32.5	28.4	23.8	19.7	15.6	13.3	12.2	12.7
5°	55.0	41.7	27.2	17.4	12.2	9.3	7.5	7.0
7.5°	84.6	57.4	30.7	15.1	9.3	4.6	2.9	2.3
10°	129.8	74.8	33.0	12.7	5.8	1.2	0.0	0.0
12.5°	333.2	91.6	33.6	10.4	2.3	0.0	0.0	0.0
15°	684.9	139.7	32.5	7.5	0.6	0.0	0.0	0.0
17.5°	1138.7	213.8	28.4	5.2	0.0	0.0	0.0	0.0
20°	1579.6	264.8	22.6	2.3	0.0	0.0	0.0	0.0
21°	1712.3	279.9	20.3	1.7	0.0	0.0	0.0	0.0
22°	1820.7	290.9	18.0	1.2	0.0	0.0	0.0	0.0
23°	1911.1	296.7	15.6	0.6	0.0	0.0	0.0	0.0
24°	1974.3	297.8	14.5	0.6	0.0	0.0	0.0	0.0
25°	2004.4	293.8	12.7	0.0	0.0	0.0	0.0	0.0
26°	2016.0	285.7	11.6	0.0	0.0	0.0	0.0	0.0
27°	2007.3	275.2	10.4	0.0	0.0	0.0	0.0	0.0
28°	1991.6	259.6	8.7	0.0	0.0	0.0	0.0	0.0
29°	1960.9	238.7	7.5	0.0	0.0	0.0	0.0	0.0
30°	1931.4	217.3	6.4	0.0	0.0	0.0	0.0	0.0
31°	1897.8	198.2	5.2	0.0	0.0	0.0	0.0	0.0
32°	1856.6	176.2	4.1	0.0	0.0	0.0	0.0	0.0
33°	1788.2	155.9	2.9	0.0	0.0	0.0	0.0	0.0
34°	1692.6	136.8	2.3	0.0	0.0	0.0	0.0	0.0
35°	1564.6	116.5	1.7	0.0	0.0	0.0	0.0	0.0
36°	1424.3	95.0	1.2	0.0	0.0	0.0	0.0	0.0
37°	1252.8	69.0	1.2	0.0	0.0	0.0	0.0	0.0
38°	1073.8	43.5	0.6	0.0	0.0	0.0	0.0	0.0
39°	890.6	33.0	0.6	0.0	0.0	0.0	0.0	0.0
40°	723.2	28.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	387.1	19.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	228.3	11.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	127.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	45.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	6.4	0.0	0.0	0.6	0.0	0.0	0.0	0.0
57.5°	0.6	0.0	0.6	0.6	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.6	1.2	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.2	1.2	0.6	0.0	0.0	0.0
67.5°	0.0	0.6	1.2	1.2	0.6	0.0	0.0	0.0
70°	0.0	0.6	1.2	1.2	0.6	0.0	0.0	0.0
72.5°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
75°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
77.5°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
80°	0.0	0.6	1.2	1.7	0.6	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	0.6	1.2	1.7	0.6	0.0	0.0	0.0
85°	0.0	0.6	1.2	1.7	0.6	0.0	0.0	0.0
87.5°	0.0	0.6	1.2	1.7	0.6	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)