

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: P1311995

Luminaire Tested: LDSQA3D24R609040D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R609040D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

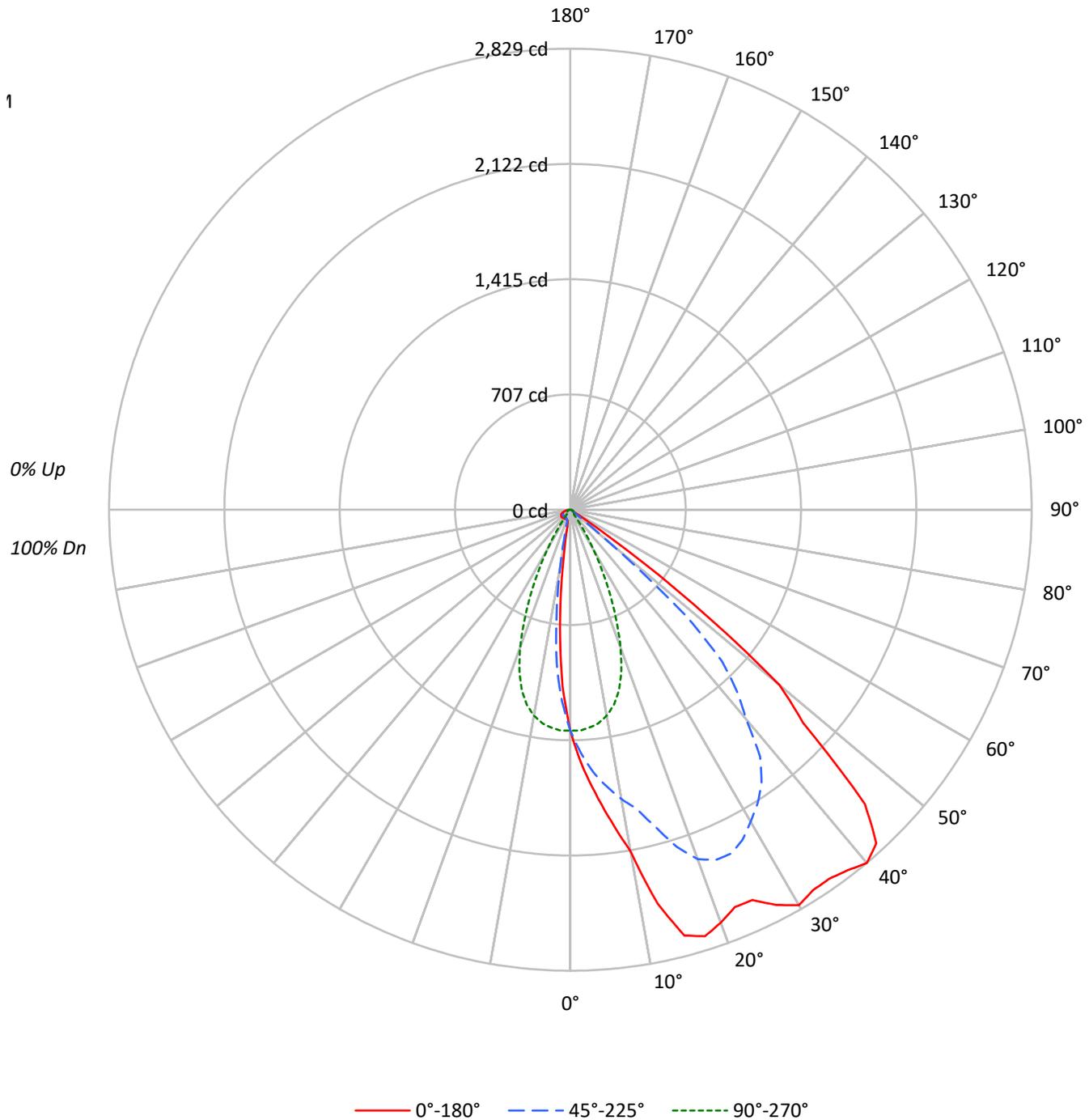
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2200.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	233241	233241	233241	233241	233241
5°	301279	279721	231971	165187	126047
10°	372318	315290	224475	62484	18520
15°	482189	358860	204793	13711	12213
20°	494111	417978	164838	11418	11803
25°	502050	442458	110520	11060	11839
30°	557221	439493	56995	11156	12389
35°	581243	429699	15726	11795	13540
40°	636018	376844	7464	12612	14951
45°	622246	320232	7599	13664	16684
50°	448543	79013	8359	15031	18353
55°	86055	4984	8738	16214	20568
60°	4306	4994	8577	17153	22182
65°	4238	5094	8476	17768	23717
70°	4179	5237	8359	17775	24069
75°	4126	5523	8318	17966	24887
80°	2083	6149	8232	18546	24696
85°	4150	4150	8299	16401	24700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 622246 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	5.4
10°-20°	325.1	14.8
20°-30°	500.5	22.7
30°-40°	587.2	26.7
40°-50°	470.9	21.4
50°-60°	146.2	6.6
60°-70°	27.6	1.3
70°-80°	18.4	0.8
80°-90°	6.4	0.3
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°	943.3	42.9
0°-40°	1530.5	69.6
0°-60°	2147.6	97.6
0°-90°	2200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2200.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1354	1354	1354	1354	1354	
5°	1743	1618	1342	956	729	178
15°	2704	2013	1149	77	68	741
25°	2642	2328	582	58	62	1247
35°	2765	2044	75	56	64	1750
45°	2555	1315	31	56	68	1828
55°	287	17	29	54	68	454
65°	10	12	21	44	58	10
75°	6	8	12	27	37	6
85°	2	2	4	8	12	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3
2.5°	1562.0	1545.3	1545.3	1539.1	1532.9	1535.0	1518.3	1524.6	1508.0	1495.5	1485.1
5°	1742.7	1721.9	1719.8	1709.4	1699.0	1690.7	1670.0	1657.5	1632.6	1618.0	1586.9
7.5°	1929.6	1913.0	1902.6	1890.1	1871.4	1850.7	1815.4	1792.5	1753.1	1713.6	1674.1
10°	2129.0	2114.5	2091.6	2077.1	2025.1	1991.9	1944.1	1913.0	1854.8	1802.9	1742.7
12.5°	2477.9	2469.6	2426.0	2396.9	2322.2	2255.7	2151.8	2068.8	1964.9	1879.8	1798.7
15°	2704.4	2694.0	2671.1	2644.1	2596.3	2521.6	2428.1	2311.8	2166.4	2012.7	1875.6
17.5°	2743.8	2745.9	2731.4	2725.1	2694.0	2646.2	2571.4	2484.2	2338.8	2168.5	1981.5
20°	2696.0	2712.7	2708.5	2721.0	2727.2	2708.5	2658.7	2573.5	2446.8	2280.6	2070.8
22.5°	2637.9	2652.4	2648.3	2671.1	2706.4	2725.1	2708.5	2640.0	2511.2	2326.3	2120.7
25°	2642.0	2652.4	2621.3	2635.8	2681.5	2727.2	2729.3	2669.0	2529.9	2328.4	2116.5
27.5°	2733.4	2702.3	2631.7	2625.4	2681.5	2739.7	2743.8	2669.0	2502.9	2284.8	2075.0
30°	2802.0	2779.1	2700.2	2689.8	2743.8	2783.3	2762.5	2646.2	2438.5	2210.0	2014.8
32.5°	2768.7	2772.9	2739.7	2772.9	2843.5	2860.1	2772.9	2592.2	2349.2	2137.3	1944.1
35°	2764.6	2781.2	2799.9	2851.8	2899.6	2860.1	2721.0	2490.4	2253.6	2043.8	1834.1
37.5°	2789.5	2816.5	2843.5	2889.2	2889.2	2787.4	2583.9	2361.6	2139.4	1910.9	1605.6
40°	2829.0	2845.6	2853.9	2849.7	2793.7	2644.1	2428.1	2205.9	1994.0	1676.2	1454.0
42.5°	2777.0	2775.0	2766.7	2731.4	2627.5	2432.3	2230.8	2050.1	1715.7	1512.1	1258.7
45°	2554.8	2554.8	2532.0	2475.9	2380.3	2218.3	2039.7	1775.9	1564.0	1314.8	934.7
47.5°	1933.8	1919.2	1944.1	1977.4	1977.4	1962.8	1800.8	1572.3	1356.3	949.2	299.1
50°	1674.1	1651.3	1620.1	1626.3	1622.2	1638.8	1535.0	1362.6	1003.2	294.9	20.8
52.5°	947.1	988.7	1090.5	1233.8	1298.2	1321.0	1256.6	1036.5	338.6	18.7	16.6
55°	286.6	294.9	334.4	411.3	558.7	714.5	724.9	336.5	22.8	16.6	16.6
57.5°	12.5	12.5	16.6	24.9	58.2	87.2	93.5	20.8	14.5	16.6	16.6
60°	12.5	12.5	12.5	12.5	12.5	12.5	14.5	14.5	14.5	14.5	16.6
62.5°	10.4	10.4	12.5	12.5	12.5	12.5	12.5	12.5	14.5	14.5	14.5
65°	10.4	10.4	10.4	10.4	10.4	10.4	12.5	12.5	12.5	12.5	14.5
67.5°	8.3	8.3	8.3	10.4	10.4	10.4	10.4	10.4	12.5	12.5	12.5
70°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	10.4	10.4	10.4	10.4
72.5°	6.2	6.2	6.2	6.2	6.2	8.3	8.3	8.3	8.3	8.3	10.4
75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.3	8.3	8.3	8.3
77.5°	4.2	4.2	4.2	4.2	4.2	6.2	6.2	6.2	6.2	6.2	6.2
80°	2.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.2	6.2
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2	4.2	4.2
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
87.5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3
2.5°	1470.6	1454.0	1435.3	1356.3	1279.5	1175.6	1105.0	1084.2
5°	1559.9	1532.9	1491.3	1341.8	1161.1	955.5	789.3	729.1
7.5°	1634.7	1593.1	1535.0	1321.0	1019.8	648.0	417.5	353.1
10°	1688.7	1636.7	1562.0	1283.6	832.9	357.3	141.2	105.9
12.5°	1734.4	1665.8	1576.5	1227.6	606.5	145.4	72.7	72.7
15°	1765.5	1682.4	1582.7	1148.6	392.6	76.9	68.5	68.5
17.5°	1809.1	1701.1	1582.7	1038.5	213.9	66.5	66.5	66.5
20°	1879.8	1719.8	1559.9	899.4	118.4	62.3	64.4	64.4
22.5°	1917.1	1746.8	1530.8	737.4	74.8	60.2	62.3	62.3
25°	1925.4	1742.7	1468.5	581.6	60.2	58.2	60.2	62.3
27.5°	1896.4	1713.6	1385.4	423.7	54.0	56.1	60.2	62.3
30°	1844.4	1643.0	1252.5	286.6	49.8	56.1	60.2	62.3
32.5°	1746.8	1472.6	1096.7	172.4	47.8	56.1	60.2	64.4
35°	1528.7	1294.0	918.1	74.8	45.7	56.1	62.3	64.4
37.5°	1370.9	1115.4	710.4	37.4	45.7	56.1	62.3	66.5
40°	1196.4	897.3	328.2	33.2	45.7	56.1	62.3	66.5
42.5°	911.8	415.4	39.5	33.2	43.6	56.1	64.4	66.5
45°	332.3	43.6	20.8	31.2	43.6	56.1	64.4	68.5
47.5°	24.9	16.6	18.7	31.2	43.6	56.1	64.4	68.5
50°	16.6	16.6	18.7	31.2	43.6	56.1	64.4	68.5
52.5°	16.6	18.7	18.7	29.1	41.5	56.1	64.4	68.5
55°	16.6	18.7	18.7	29.1	41.5	54.0	64.4	68.5
57.5°	16.6	16.6	18.7	27.0	39.5	51.9	64.4	66.5
60°	16.6	16.6	18.7	24.9	37.4	49.8	60.2	64.4
62.5°	16.6	16.6	16.6	22.8	35.3	47.8	58.2	62.3
65°	14.5	14.5	16.6	20.8	31.2	43.6	54.0	58.2
67.5°	12.5	14.5	14.5	18.7	29.1	39.5	49.8	54.0
70°	12.5	12.5	12.5	16.6	24.9	35.3	45.7	47.8
72.5°	10.4	10.4	12.5	14.5	22.8	31.2	41.5	43.6
75°	8.3	10.4	10.4	12.5	18.7	27.0	35.3	37.4
77.5°	8.3	8.3	8.3	10.4	16.6	22.8	29.1	31.2
80°	6.2	6.2	6.2	8.3	12.5	18.7	22.8	24.9
82.5°	4.2	6.2	6.2	6.2	10.4	12.5	16.6	18.7
85°	4.2	4.2	4.2	4.2	6.2	8.3	10.4	12.5
87.5°	2.1	2.1	4.2	4.2	4.2	4.2	4.2	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)