

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: P1320453

Luminaire Tested: LDSQA3D20R559840D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559840D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

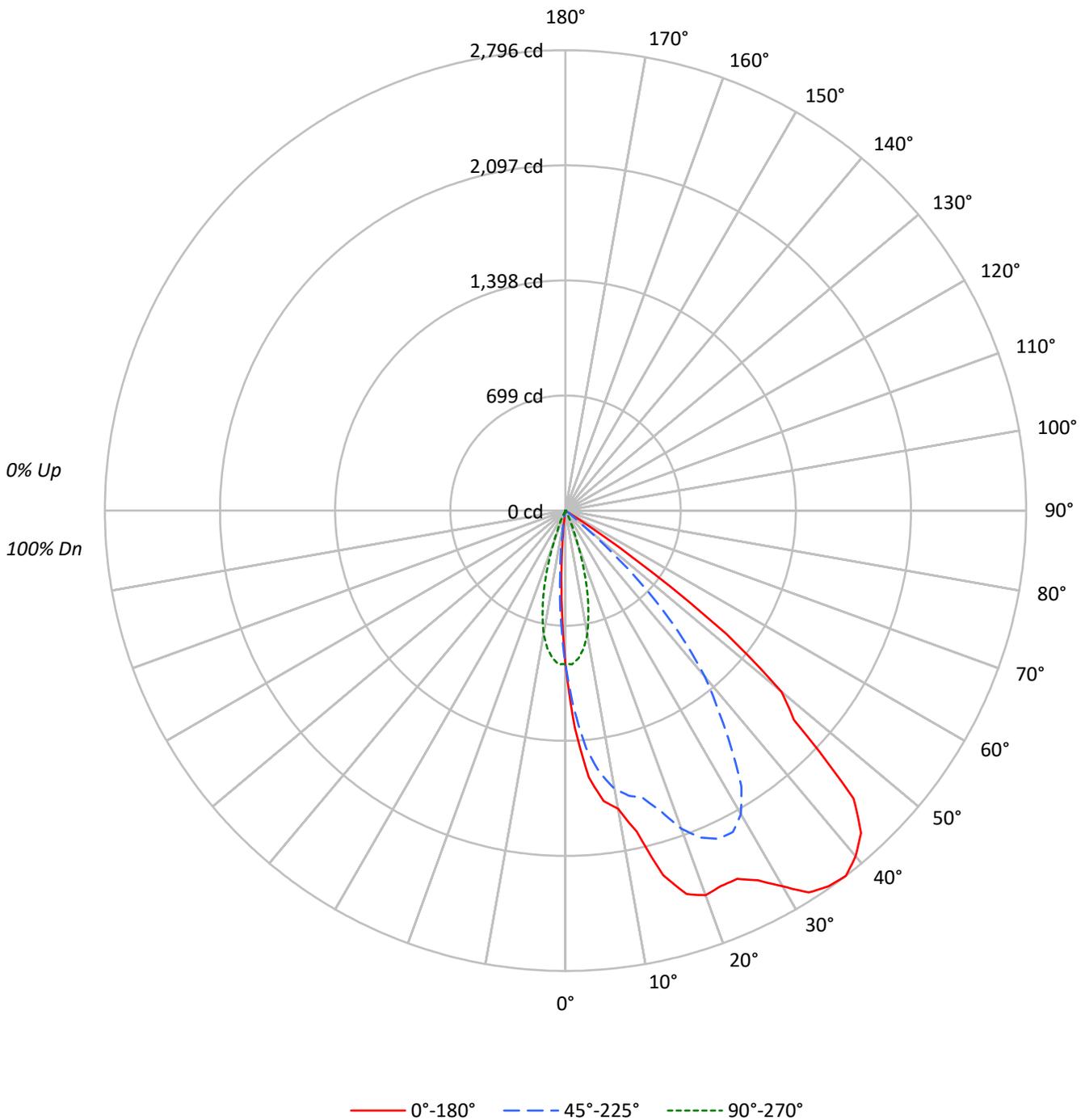
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1723.0 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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





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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	160339	160339	160339	160339	160339
5°	281052	250538	155644	64657	37238
10°	321673	299866	133083	7083	2553
15°	408802	321899	91235	1444	874
20°	455531	376595	40064	0	0
25°	468910	417850	11383	0	0
30°	523891	423425	1611	0	0
35°	585532	367655	0	0	0
40°	615941	295954	0	0	0
45°	602201	186932	0	0	0
50°	458564	38180	0	0	0
55°	150221	0	0	0	0
60°	0	0	0	0	0
65°	0	652	652	0	0
70°	0	806	806	0	0
75°	0	1065	1065	0	0
80°	0	1587	3174	1587	0
85°	0	3162	3162	3162	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 602201 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	4.9
10°-20°	249.3	14.5
20°-30°	405.4	23.5
30°-40°	481.8	28.0
40°-50°	394.0	22.9
50°-60°	104.4	6.1
60°-70°	0.7	0.0
70°-80°	1.1	0.1
80°-90°	1.2	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°	739.8	42.9
0°-40°	1221.6	70.9
0°-60°	1720.1	99.8
0°-90°	1723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1723.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	931	931	931	931	931	
5°	1626	1449	900	374	215	159
15°	2293	1805	512	8	5	641
25°	2468	2199	60	0	0	1162
35°	2785	1749	0	0	0	1732
45°	2472	768	0	0	0	1775
55°	500	0	0	0	0	562
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	931.0	931.0	931.0	931.0	931.0	931.0	931.0	931.0	931.0	931.0	931.0
2.5°	1321.3	1311.5	1313.2	1308.3	1313.2	1292.1	1269.4	1248.4	1232.2	1209.5	1071.9
5°	1625.7	1609.5	1604.6	1598.1	1591.7	1565.8	1544.7	1518.8	1488.0	1449.2	1196.6
7.5°	1779.5	1766.5	1760.1	1763.3	1748.7	1739.0	1711.5	1682.3	1650.0	1607.9	1290.5
10°	1839.4	1826.4	1824.8	1823.2	1821.6	1815.1	1802.2	1776.3	1747.1	1714.7	1343.9
12.5°	1996.5	1967.3	1947.9	1925.2	1897.7	1862.1	1832.9	1810.3	1798.9	1773.0	1368.2
15°	2292.8	2265.2	2244.2	2215.1	2163.2	2087.1	2017.5	1928.5	1850.7	1805.4	1358.5
17.5°	2441.7	2428.8	2411.0	2391.5	2355.9	2300.9	2229.6	2135.7	2036.9	1909.0	1311.5
20°	2485.5	2479.0	2466.0	2457.9	2433.6	2394.8	2346.2	2273.3	2181.0	2054.8	1238.7
22.5°	2467.6	2472.5	2479.0	2500.0	2503.3	2475.7	2430.4	2360.8	2266.9	2150.3	1127.0
25°	2467.6	2464.4	2464.4	2508.1	2535.7	2522.7	2490.3	2427.2	2331.6	2198.9	989.3
27.5°	2530.8	2511.4	2470.9	2516.2	2561.6	2556.7	2527.6	2453.1	2346.2	2200.5	820.9
30°	2634.4	2592.3	2525.9	2568.0	2610.1	2592.3	2545.4	2449.8	2313.8	2129.2	615.3
32.5°	2749.4	2730.0	2696.0	2723.5	2717.0	2645.8	2561.6	2428.8	2247.4	1986.7	414.5
35°	2785.0	2788.2	2765.6	2760.7	2723.5	2650.6	2561.6	2368.9	2108.2	1748.7	246.1
37.5°	2796.3	2798.0	2762.3	2717.0	2661.9	2576.1	2469.3	2245.8	1850.7	1518.8	131.2
40°	2739.7	2738.1	2679.8	2624.7	2563.2	2479.0	2323.5	1986.7	1606.2	1316.4	47.0
42.5°	2655.5	2634.4	2579.4	2511.4	2436.9	2331.6	2088.8	1677.5	1395.7	1054.1	3.2
45°	2472.5	2453.1	2409.4	2336.5	2253.9	2104.9	1721.2	1441.1	1135.1	767.5	0.0
47.5°	1879.9	1870.2	1915.5	1925.2	1923.6	1753.6	1436.2	1175.5	833.9	446.9	0.0
50°	1711.5	1698.5	1653.2	1594.9	1491.3	1348.8	1151.2	871.1	489.0	142.5	0.0
52.5°	1229.0	1271.1	1280.8	1237.1	1139.9	999.0	793.4	501.9	170.0	0.0	0.0
55°	500.3	474.4	493.9	518.1	537.6	493.9	365.9	178.1	1.6	0.0	0.0
57.5°	0.0	1.6	9.7	22.7	37.2	47.0	50.2	3.2	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	1.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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):

	90°	112.5°	135°	157.5°	180°
0°	931.0	931.0	931.0	931.0	931.0
2.5°	934.3	790.2	650.9	574.8	537.6
5°	900.3	604.0	374.0	259.1	215.4
7.5°	843.6	414.5	149.0	61.5	43.7
10°	761.0	238.0	40.5	16.2	14.6
12.5°	642.8	108.5	14.6	11.3	11.3
15°	511.7	37.2	8.1	6.5	4.9
17.5°	359.5	9.7	3.2	0.0	0.0
20°	218.6	1.6	0.0	0.0	0.0
22.5°	121.4	0.0	0.0	0.0	0.0
25°	59.9	0.0	0.0	0.0	0.0
27.5°	25.9	0.0	0.0	0.0	0.0
30°	8.1	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	1.6	0.0	0.0	0.0	0.0
65°	1.6	1.6	0.0	0.0	0.0
67.5°	1.6	1.6	0.0	0.0	0.0
70°	1.6	1.6	0.0	0.0	0.0
72.5°	1.6	1.6	0.0	0.0	0.0
75°	1.6	1.6	0.0	0.0	0.0
77.5°	3.2	1.6	1.6	0.0	0.0
80°	3.2	1.6	1.6	0.0	0.0
82.5°	3.2	1.6	1.6	0.0	0.0
85°	1.6	1.6	1.6	0.0	0.0
87.5°	3.2	1.6	1.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)