

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: P1319579

Luminaire Tested: LDSQA3D20R559835D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559835D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

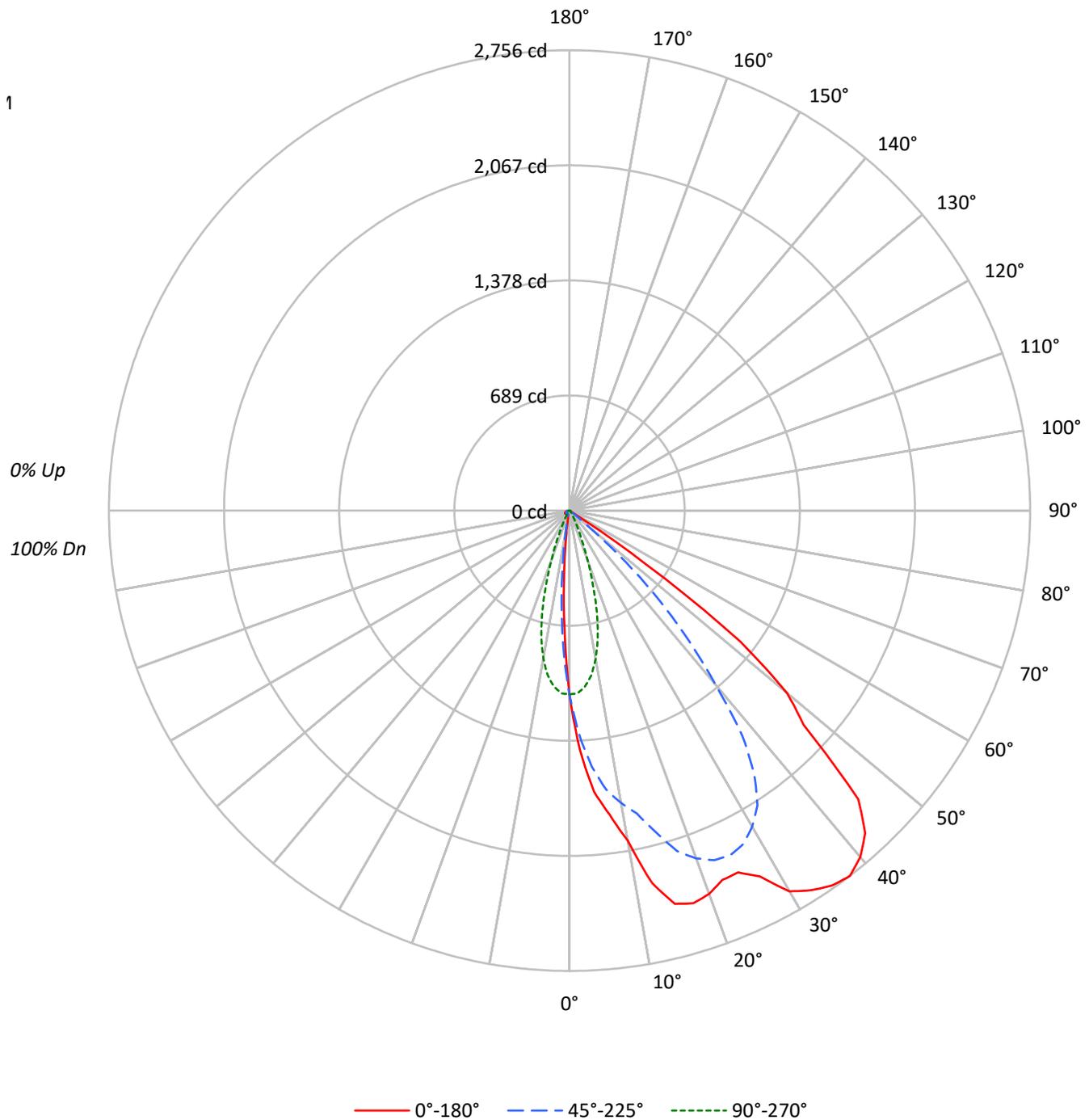
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1835.0 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
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 (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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	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	57	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	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	189410	189410	189410	189410	189410
5°	292099	265925	182977	93961	61718
10°	350948	310813	157496	23696	9478
15°	434548	354973	112542	6544	5117
20°	447559	406065	58135	4380	4380
25°	454050	432539	23316	3934	4542
30°	523335	434581	10142	4117	4753
35°	576071	405163	4352	4352	5361
40°	608500	304969	2518	5014	5733
45°	595138	186347	2338	5431	6990
50°	455268	39707	2572	6404	8118
55°	167035	1441	2883	7176	9098
60°	1653	1653	3307	8232	10437
65°	1956	1956	3912	8436	11044
70°	1611	2417	4028	9618	12840
75°	1065	2129	4259	10580	14839
80°	1587	3174	4761	11108	15769
85°	0	3162	6323	12647	15808

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 595138 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	5.3
10°-20°	277.3	15.1
20°-30°	425.3	23.2
30°-40°	495.6	27.0
40°-50°	396.1	21.6
50°-60°	117.2	6.4
60°-70°	12.6	0.7
70°-80°	9.8	0.5
80°-90°	4.2	0.2
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°	799.5	43.6
0°-40°	1295.1	70.6
0°-60°	1808.4	98.5
0°-90°	1835.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1835.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1100	1100	1100	1100	1100	
5°	1690	1538	1058	544	357	168
15°	2437	1991	631	37	29	673
25°	2389	2276	123	21	24	1135
35°	2740	1927	21	21	26	1707
45°	2444	765	10	22	29	1762
55°	556	5	10	24	30	589
65°	5	5	10	21	27	4
75°	2	3	6	16	22	2
85°	0	2	3	6	8	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°	1099.8	1099.8	1099.8	1099.8	1099.8	1099.8	1099.8	1099.8	1099.8	1099.8	1099.8
2.5°	1434.6	1434.6	1429.8	1431.4	1428.2	1410.7	1407.5	1385.2	1366.0	1345.3	1327.8
5°	1689.6	1692.8	1688.0	1678.4	1665.7	1652.9	1625.8	1605.1	1578.0	1538.2	1501.5
7.5°	1834.7	1831.5	1823.5	1820.3	1812.3	1798.0	1778.9	1756.5	1724.7	1684.8	1641.8
10°	2006.8	1979.7	1971.7	1959.0	1933.5	1904.8	1871.3	1841.0	1813.9	1777.3	1731.0
12.5°	2284.2	2279.4	2247.5	2223.6	2188.5	2124.8	2067.4	2000.4	1920.7	1857.0	1796.4
15°	2437.2	2440.4	2426.0	2406.9	2384.6	2332.0	2274.6	2196.5	2102.4	1990.9	1892.0
17.5°	2464.3	2469.1	2461.1	2453.1	2446.7	2416.5	2381.4	2325.6	2239.5	2135.9	1989.3
20°	2442.0	2451.5	2453.1	2462.7	2475.4	2462.7	2434.0	2395.7	2324.0	2215.6	2075.3
22.5°	2392.5	2410.1	2422.8	2456.3	2489.8	2489.8	2472.2	2442.0	2371.8	2265.0	2121.6
25°	2389.4	2392.5	2397.3	2451.5	2504.1	2515.3	2499.3	2467.5	2390.9	2276.2	2120.0
27.5°	2469.1	2448.3	2416.5	2470.6	2532.8	2542.4	2520.1	2477.0	2386.2	2250.7	2065.8
30°	2631.6	2585.4	2518.5	2558.3	2601.4	2590.2	2545.6	2477.0	2354.3	2185.3	1963.8
32.5°	2693.8	2668.3	2644.4	2687.4	2695.4	2649.2	2569.5	2467.5	2303.3	2092.9	1796.4
35°	2740.0	2741.6	2732.1	2740.0	2701.8	2636.4	2548.8	2414.9	2207.6	1927.1	1574.8
37.5°	2756.0	2759.2	2738.4	2709.7	2652.4	2577.4	2472.2	2319.2	2048.2	1699.2	1240.1
40°	2706.6	2697.0	2663.5	2623.7	2561.5	2485.0	2370.2	2142.3	1810.7	1356.5	967.5
42.5°	2618.9	2602.9	2563.1	2515.3	2449.9	2352.7	2169.4	1893.6	1471.2	1058.4	677.4
45°	2443.5	2432.4	2383.0	2347.9	2269.8	2143.9	1908.0	1560.5	1138.1	765.1	392.1
47.5°	1898.4	1900.0	1938.3	1955.8	1928.7	1828.3	1550.9	1185.9	830.5	455.9	132.3
50°	1699.2	1691.2	1652.9	1600.3	1512.7	1362.8	1138.1	838.4	490.9	148.2	19.1
52.5°	1289.5	1289.5	1270.4	1243.3	1150.8	1005.8	769.9	463.8	172.1	25.5	4.8
55°	556.3	527.6	543.5	573.8	549.9	478.2	360.2	138.7	30.3	4.8	4.8
57.5°	8.0	19.1	28.7	46.2	62.2	74.9	39.8	14.3	4.8	4.8	4.8
60°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
62.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
65°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
67.5°	3.2	3.2	3.2	4.8	3.2	4.8	4.8	4.8	4.8	4.8	4.8
70°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.8	4.8
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	1.6	1.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	3.2	3.2
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
85°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1099.8	1099.8	1099.8	1099.8	1099.8	1099.8	1099.8	1099.8
2.5°	1302.3	1275.2	1230.5	1095.1	954.8	825.7	733.2	698.2
5°	1460.1	1410.7	1335.7	1058.4	779.4	543.5	409.6	357.0
7.5°	1584.4	1520.6	1412.3	994.6	572.2	290.1	173.7	137.1
10°	1667.3	1597.2	1455.3	900.6	379.4	135.5	65.4	54.2
12.5°	1727.9	1640.2	1471.2	779.4	223.2	62.2	35.1	31.9
15°	1772.5	1659.3	1452.1	631.2	122.7	36.7	28.7	28.7
17.5°	1834.7	1668.9	1405.9	465.4	70.1	27.1	27.1	27.1
20°	1882.5	1668.9	1318.2	317.2	43.0	23.9	23.9	23.9
22.5°	1906.4	1643.4	1211.4	200.8	30.3	22.3	23.9	23.9
25°	1882.5	1581.2	1074.3	122.7	23.9	20.7	22.3	23.9
27.5°	1794.8	1456.9	891.0	78.1	19.1	20.7	22.3	23.9
30°	1648.2	1276.8	683.8	51.0	17.5	20.7	22.3	23.9
32.5°	1440.9	1009.0	443.1	33.5	15.9	20.7	22.3	23.9
35°	1125.3	714.1	267.8	20.7	15.9	20.7	23.9	25.5
37.5°	843.2	476.6	145.1	12.8	15.9	20.7	23.9	25.5
40°	585.0	277.3	62.2	11.2	15.9	22.3	25.5	25.5
42.5°	339.5	110.0	15.9	9.6	15.9	22.3	25.5	27.1
45°	124.3	22.3	4.8	9.6	17.5	22.3	25.5	28.7
47.5°	17.5	4.8	4.8	9.6	17.5	22.3	27.1	28.7
50°	4.8	4.8	4.8	9.6	17.5	23.9	28.7	30.3
52.5°	4.8	4.8	4.8	9.6	17.5	23.9	28.7	30.3
55°	4.8	4.8	4.8	9.6	17.5	23.9	28.7	30.3
57.5°	4.8	4.8	4.8	9.6	17.5	23.9	28.7	30.3
60°	4.8	4.8	4.8	9.6	15.9	23.9	28.7	30.3
62.5°	4.8	4.8	4.8	9.6	15.9	22.3	27.1	28.7
65°	4.8	4.8	4.8	9.6	14.3	20.7	27.1	27.1
67.5°	4.8	4.8	4.8	8.0	14.3	20.7	25.5	27.1
70°	4.8	4.8	4.8	8.0	12.8	19.1	23.9	25.5
72.5°	4.8	4.8	4.8	6.4	11.2	17.5	22.3	23.9
75°	3.2	4.8	4.8	6.4	11.2	15.9	20.7	22.3
77.5°	3.2	4.8	4.8	4.8	9.6	12.8	17.5	19.1
80°	3.2	3.2	4.8	4.8	8.0	11.2	14.3	15.9
82.5°	3.2	3.2	3.2	4.8	6.4	8.0	11.2	11.2
85°	3.2	3.2	3.2	3.2	4.8	6.4	8.0	8.0
87.5°	1.6	1.6	3.2	3.2	3.2	3.2	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)