

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: P1318702

Luminaire Tested: LDSQA3D20R559830D010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318702  
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: LDSQA3D20R559830D010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

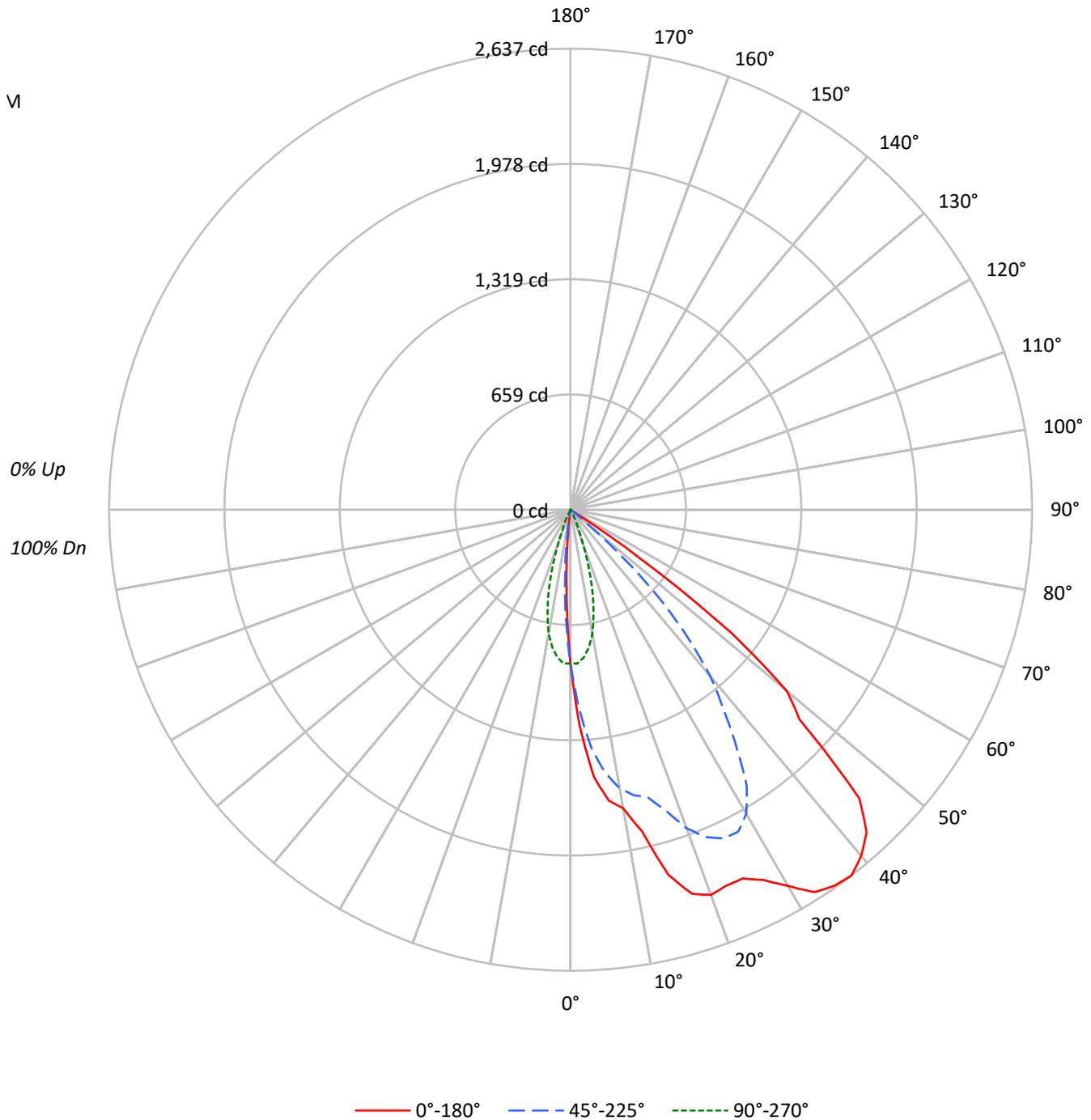
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1625.0 lumens  
Efficiency: N/A  
Efficacy: 59.3 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<sub>in</sub>): 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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	88	86	84	82
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	151229	151229	151229	151229	151229
5°	265060	236276	146793	60992	35112
10°	303381	282815	125511	6680	2396
15°	385552	303588	86047	1355	820
20°	429616	355170	37791	0	0
25°	442249	394077	10737	0	0
30°	494101	399342	1511	0	0
35°	552230	346757	0	0	0
40°	580892	279115	0	0	0
45°	567957	176288	0	0	0
50°	432467	36010	0	0	0
55°	141693	0	0	0	0
60°	0	0	0	0	0
65°	0	611	611	0	0
70°	0	755	755	0	0
75°	0	998	998	0	0
80°	0	1488	3075	1488	0
85°	0	2964	2964	2964	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 567957 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.2	4.9
10°-20°	235.1	14.5
20°-30°	382.4	23.5
30°-40°	454.4	28.0
40°-50°	371.6	22.9
50°-60°	98.5	6.1
60°-70°	0.6	0.0
70°-80°	1.0	0.1
80°-90°	1.1	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°	697.7	42.9
0°-40°	1152.1	70.9
0°-60°	1622.2	99.8
0°-90°	1625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1625.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	878	878	878	878	878	
5°	1533	1367	849	353	203	150
15°	2162	1703	483	8	5	605
25°	2327	2074	56	0	0	1096
35°	2627	1649	0	0	0	1633
45°	2332	724	0	0	0	1674
55°	472	0	0	0	0	531
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°	878.1	878.1	878.1	878.1	878.1	878.1	878.1	878.1	878.1	878.1	878.1
2.5°	1246.1	1236.9	1238.5	1233.9	1238.5	1218.6	1197.2	1177.4	1162.1	1140.7	1010.9
5°	1533.2	1517.9	1513.4	1507.2	1501.1	1476.7	1456.8	1432.4	1403.4	1366.7	1128.5
7.5°	1678.3	1666.1	1660.0	1663.0	1649.3	1640.1	1614.1	1586.7	1556.1	1516.4	1217.1
10°	1734.8	1722.6	1721.0	1719.5	1718.0	1711.9	1699.7	1675.2	1647.7	1617.2	1267.5
12.5°	1882.9	1855.4	1837.1	1815.7	1789.8	1756.2	1728.7	1707.3	1696.6	1672.2	1290.4
15°	2162.4	2136.4	2116.6	2089.1	2040.2	1968.4	1902.8	1818.8	1745.5	1702.7	1281.2
17.5°	2302.9	2290.6	2273.8	2255.5	2221.9	2170.0	2102.8	2014.2	1921.1	1800.4	1236.9
20°	2344.1	2338.0	2325.8	2318.1	2295.2	2258.6	2212.8	2144.0	2057.0	1937.9	1168.2
22.5°	2327.3	2331.9	2338.0	2357.8	2360.9	2334.9	2292.2	2226.5	2137.9	2028.0	1062.9
25°	2327.3	2324.2	2324.2	2365.5	2391.4	2379.2	2348.7	2289.1	2199.0	2073.8	933.1
27.5°	2386.8	2368.5	2330.3	2373.1	2415.9	2411.3	2383.8	2313.5	2212.8	2075.3	774.2
30°	2484.6	2444.9	2382.3	2422.0	2461.7	2444.9	2400.6	2310.5	2182.2	2008.1	580.3
32.5°	2593.0	2574.7	2542.6	2568.6	2562.5	2495.3	2415.9	2290.6	2119.6	1873.7	390.9
35°	2626.6	2629.7	2608.3	2603.7	2568.6	2499.9	2415.9	2234.1	1988.3	1649.3	232.1
37.5°	2637.3	2638.8	2605.2	2562.5	2510.5	2429.6	2328.8	2118.1	1745.5	1432.4	123.7
40°	2583.8	2582.3	2527.3	2475.4	2417.4	2338.0	2191.4	1873.7	1514.9	1241.5	44.3
42.5°	2504.4	2484.6	2432.7	2368.5	2298.3	2199.0	1970.0	1582.1	1316.4	994.1	3.1
45°	2331.9	2313.5	2272.3	2203.6	2125.7	1985.2	1623.3	1359.1	1070.5	723.8	0.0
47.5°	1773.0	1763.8	1806.6	1815.7	1814.2	1653.8	1354.5	1108.7	786.5	421.5	0.0
50°	1614.1	1601.9	1559.2	1504.2	1406.5	1272.1	1085.8	821.6	461.2	134.4	0.0
52.5°	1159.1	1198.8	1207.9	1166.7	1075.1	942.2	748.3	473.4	160.3	0.0	0.0
55°	471.9	447.4	465.8	488.7	507.0	465.8	345.1	168.0	1.5	0.0	0.0
57.5°	0.0	1.5	9.2	21.4	35.1	44.3	47.3	3.1	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	1.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.5	1.5	1.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	3.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
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°	878.1	878.1	878.1	878.1	878.1
2.5°	881.1	745.2	613.9	542.1	507.0
5°	849.1	569.6	352.8	244.3	203.1
7.5°	795.6	390.9	140.5	58.0	41.2
10°	717.7	224.5	38.2	15.3	13.7
12.5°	606.3	102.3	13.7	10.7	10.7
15°	482.6	35.1	7.6	6.1	4.6
17.5°	339.0	9.2	3.1	0.0	0.0
20°	206.2	1.5	0.0	0.0	0.0
22.5°	114.5	0.0	0.0	0.0	0.0
25°	56.5	0.0	0.0	0.0	0.0
27.5°	24.4	0.0	0.0	0.0	0.0
30°	7.6	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°	1.5	0.0	0.0	0.0	0.0
65°	1.5	1.5	0.0	0.0	0.0
67.5°	1.5	1.5	0.0	0.0	0.0
70°	1.5	1.5	0.0	0.0	0.0
72.5°	1.5	1.5	0.0	0.0	0.0
75°	1.5	1.5	0.0	0.0	0.0
77.5°	3.1	1.5	1.5	0.0	0.0
80°	3.1	1.5	1.5	0.0	0.0
82.5°	3.1	1.5	1.5	0.0	0.0
85°	1.5	1.5	1.5	0.0	0.0
87.5°	3.1	1.5	1.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)