

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: P1313072

Luminaire Tested: LDSQA3D24R609050D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313072  
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: LDSQA3D24R609050D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

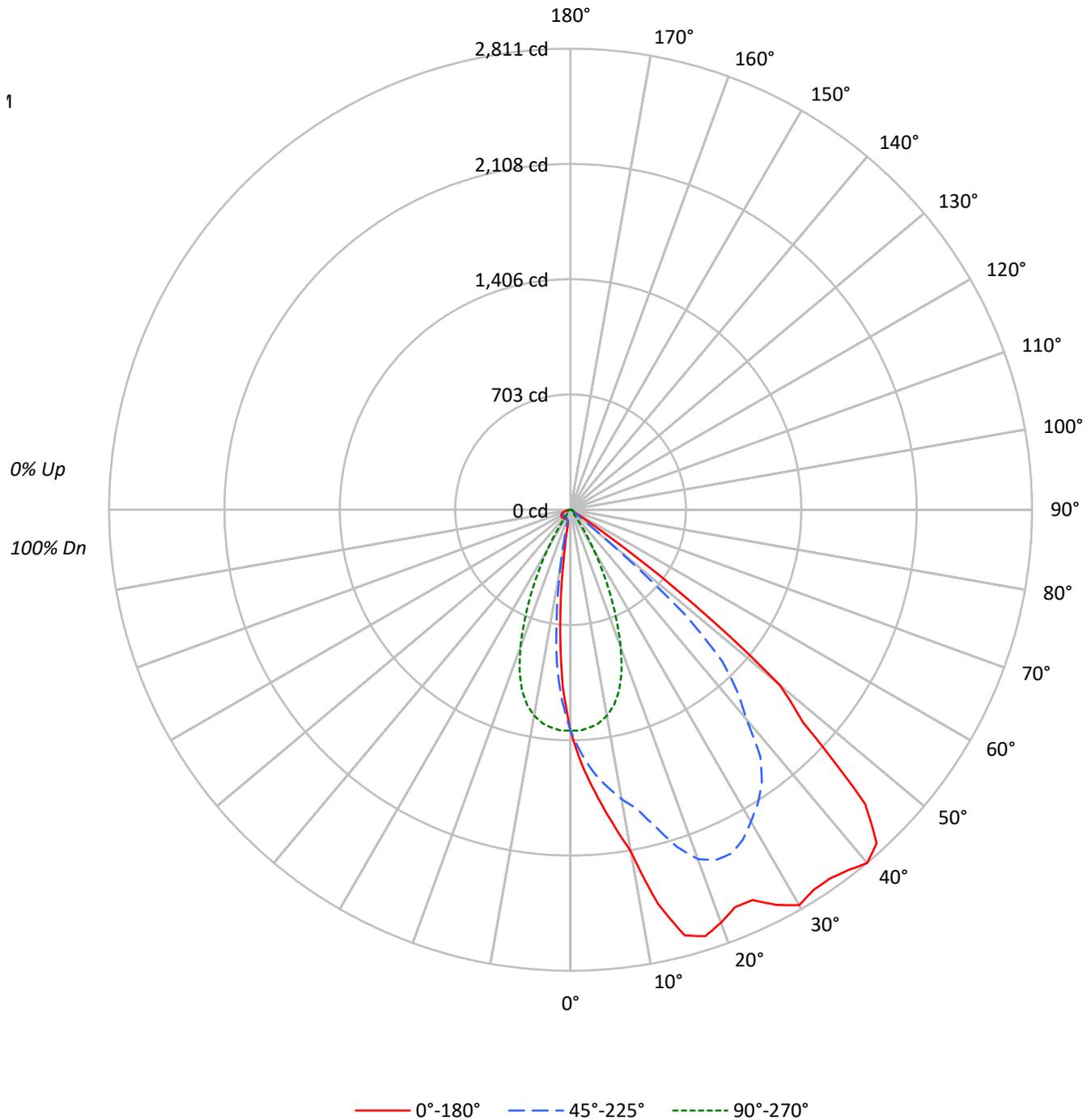
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2186.0 lumens  
Efficiency: N/A  
Efficacy: 75.9 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°	231743	231743	231743	231743	231743
5°	299360	277940	230502	164133	125235
10°	369957	313279	223059	62082	18415
15°	479105	356578	203492	13622	12142
20°	490977	415321	163775	11345	11730
25°	498858	439646	109816	10984	11763
30°	553662	436689	56637	11077	12310
35°	577543	426966	15621	11711	13456
40°	631971	374439	7419	12523	14838
45°	618276	318186	7550	13566	16586
50°	445703	78531	8306	14924	18246
55°	85514	4954	8678	16124	20448
60°	4271	4960	8542	17050	22044
65°	4197	5053	8395	17645	23554
70°	4179	5187	8308	17674	23918
75°	4126	5523	8251	17833	24687
80°	2083	6149	8232	18447	24596
85°	4150	4150	8102	16401	24503

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 618276 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.0	5.4
10°-20°	323.1	14.8
20°-30°	497.3	22.7
30°-40°	583.4	26.7
40°-50°	467.9	21.4
50°-60°	145.3	6.6
60°-70°	27.5	1.3
70°-80°	18.3	0.8
80°-90°	6.3	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°	937.3	42.9
0°-40°	1520.8	69.6
0°-60°	2133.9	97.6
0°-90°	2186.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2186.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1346	1346	1346	1346	1346	
5°	1732	1608	1333	949	724	177
15°	2687	2000	1141	76	68	736
25°	2625	2314	578	58	62	1239
35°	2747	2031	74	56	64	1739
45°	2538	1306	31	56	68	1817
55°	285	16	29	54	68	451
65°	10	12	21	43	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°	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6
2.5°	1552.0	1535.5	1535.5	1529.3	1523.1	1525.2	1508.7	1514.9	1498.4	1486.0	1475.7
5°	1731.6	1710.9	1708.9	1698.6	1688.2	1680.0	1659.3	1647.0	1622.2	1607.7	1576.8
7.5°	1917.3	1900.8	1890.5	1878.1	1859.5	1838.9	1803.8	1781.1	1741.9	1702.7	1663.5
10°	2115.5	2101.0	2078.3	2063.9	2012.3	1979.2	1931.8	1900.8	1843.0	1791.4	1731.6
12.5°	2462.2	2453.9	2410.6	2381.7	2307.4	2241.3	2138.2	2055.6	1952.4	1867.8	1787.3
15°	2687.1	2676.8	2654.1	2627.3	2579.8	2505.5	2412.6	2297.1	2152.6	1999.9	1863.7
17.5°	2726.4	2728.4	2714.0	2707.8	2676.8	2629.4	2555.1	2468.4	2323.9	2154.7	1968.9
20°	2678.9	2695.4	2691.3	2703.7	2709.8	2691.3	2641.7	2557.1	2431.2	2266.1	2057.7
22.5°	2621.1	2635.5	2631.4	2654.1	2689.2	2707.8	2691.3	2623.2	2495.2	2311.5	2107.2
25°	2625.2	2635.5	2604.6	2619.0	2664.4	2709.8	2711.9	2652.1	2513.8	2313.6	2103.1
27.5°	2716.0	2685.1	2614.9	2608.7	2664.4	2722.2	2726.4	2652.1	2486.9	2270.2	2061.8
30°	2784.1	2761.4	2683.0	2672.7	2726.4	2765.6	2744.9	2629.4	2423.0	2195.9	2001.9
32.5°	2751.1	2755.2	2722.2	2755.2	2825.4	2841.9	2755.2	2575.7	2334.2	2123.7	1931.8
35°	2747.0	2763.5	2782.1	2833.7	2881.1	2841.9	2703.7	2474.6	2239.3	2030.8	1822.4
37.5°	2771.8	2798.6	2825.4	2870.8	2870.8	2769.7	2567.4	2346.6	2125.8	1898.7	1595.4
40°	2811.0	2827.5	2835.7	2831.6	2775.9	2627.3	2412.6	2191.8	1981.3	1665.5	1444.7
42.5°	2759.4	2757.3	2749.1	2714.0	2610.8	2416.8	2216.6	2037.0	1704.7	1502.5	1250.7
45°	2538.5	2538.5	2515.8	2460.1	2365.2	2204.2	2026.7	1764.6	1554.1	1306.4	928.7
47.5°	1921.4	1907.0	1931.8	1964.8	1964.8	1950.3	1789.4	1562.3	1347.7	943.2	297.2
50°	1663.5	1640.8	1609.8	1616.0	1611.9	1628.4	1525.2	1353.9	996.8	293.1	20.6
52.5°	941.1	982.4	1083.5	1225.9	1289.9	1312.6	1248.6	1029.9	336.4	18.6	16.5
55°	284.8	293.1	332.3	408.6	555.2	710.0	720.3	334.3	22.7	16.5	16.5
57.5°	12.4	12.4	16.5	24.8	57.8	86.7	92.9	20.6	14.4	16.5	16.5
60°	12.4	12.4	12.4	12.4	12.4	12.4	14.4	14.4	14.4	14.4	16.5
62.5°	10.3	10.3	12.4	12.4	12.4	12.4	12.4	12.4	14.4	14.4	14.4
65°	10.3	10.3	10.3	10.3	10.3	10.3	12.4	12.4	12.4	12.4	14.4
67.5°	8.3	8.3	8.3	10.3	10.3	10.3	10.3	10.3	12.4	12.4	12.4
70°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	10.3	10.3	10.3	10.3
72.5°	6.2	6.2	6.2	6.2	6.2	8.3	8.3	8.3	8.3	8.3	10.3
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°	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2
80°	2.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
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°	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6
2.5°	1461.2	1444.7	1426.1	1347.7	1271.3	1168.1	1098.0	1077.3
5°	1550.0	1523.1	1481.8	1333.3	1153.7	949.4	784.3	724.4
7.5°	1624.3	1583.0	1525.2	1312.6	1013.4	643.9	414.8	350.9
10°	1677.9	1626.3	1552.0	1275.5	827.6	355.0	140.3	105.3
12.5°	1723.3	1655.2	1566.5	1219.7	602.6	144.5	72.2	72.2
15°	1754.3	1671.7	1572.7	1141.3	390.1	76.4	68.1	68.1
17.5°	1797.6	1690.3	1572.7	1031.9	212.6	66.0	66.0	66.0
20°	1867.8	1708.9	1550.0	893.6	117.6	61.9	64.0	64.0
22.5°	1904.9	1735.7	1521.1	732.7	74.3	59.9	61.9	61.9
25°	1913.2	1731.6	1459.1	577.9	59.9	57.8	59.9	61.9
27.5°	1884.3	1702.7	1376.6	421.0	53.7	55.7	59.9	61.9
30°	1832.7	1632.5	1244.5	284.8	49.5	55.7	59.9	61.9
32.5°	1735.7	1463.3	1089.7	171.3	47.5	55.7	59.9	64.0
35°	1519.0	1285.8	912.2	74.3	45.4	55.7	61.9	64.0
37.5°	1362.1	1108.3	705.8	37.1	45.4	55.7	61.9	66.0
40°	1188.8	891.6	326.1	33.0	45.4	55.7	61.9	66.0
42.5°	906.0	412.8	39.2	33.0	43.3	55.7	64.0	66.0
45°	330.2	43.3	20.6	31.0	43.3	55.7	64.0	68.1
47.5°	24.8	16.5	18.6	31.0	43.3	55.7	64.0	68.1
50°	16.5	16.5	18.6	31.0	43.3	55.7	64.0	68.1
52.5°	16.5	18.6	18.6	28.9	41.3	55.7	64.0	68.1
55°	16.5	18.6	18.6	28.9	41.3	53.7	64.0	68.1
57.5°	16.5	16.5	18.6	26.8	39.2	51.6	64.0	66.0
60°	16.5	16.5	18.6	24.8	37.1	49.5	59.9	64.0
62.5°	16.5	16.5	16.5	22.7	35.1	47.5	57.8	61.9
65°	14.4	14.4	16.5	20.6	31.0	43.3	53.7	57.8
67.5°	12.4	14.4	14.4	18.6	28.9	39.2	49.5	53.7
70°	12.4	12.4	12.4	16.5	24.8	35.1	45.4	47.5
72.5°	10.3	10.3	12.4	14.4	22.7	31.0	41.3	43.3
75°	8.3	10.3	10.3	12.4	18.6	26.8	35.1	37.1
77.5°	8.3	8.3	8.3	10.3	16.5	22.7	28.9	31.0
80°	6.2	6.2	6.2	8.3	12.4	18.6	22.7	24.8
82.5°	4.1	6.2	6.2	6.2	10.3	12.4	16.5	18.6
85°	4.1	4.1	4.1	4.1	6.2	8.3	10.3	12.4
87.5°	2.1	2.1	4.1	4.1	4.1	4.1	4.1	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)