

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: P1308641

Luminaire Tested: LDSQA3D24R609027D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308641
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: LDSQA3D24R609027D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

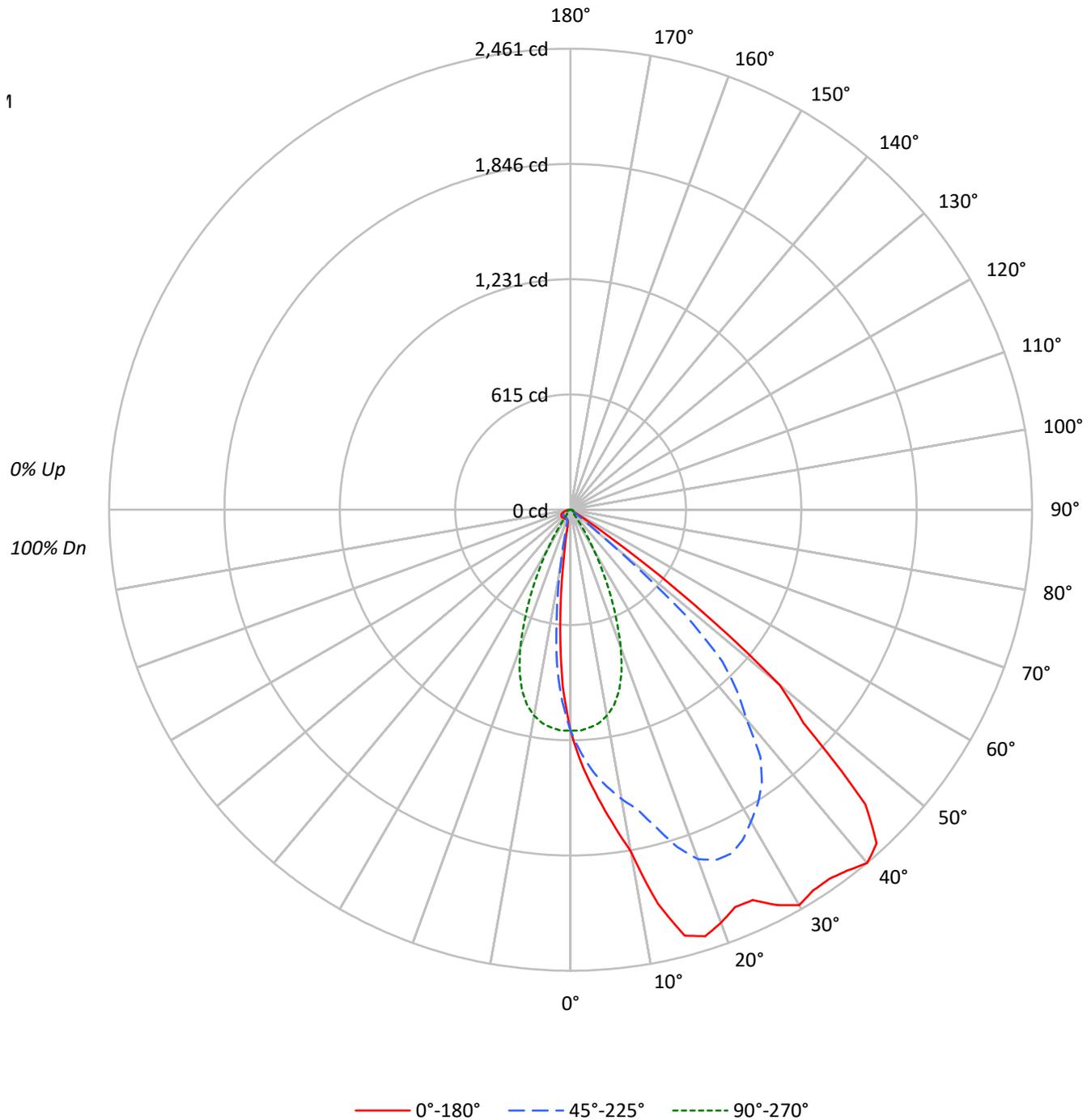
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1914.0 lumens
Efficiency: N/A
Efficacy: 66.5 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 (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	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°	202913	202913	202913	202913	202913
5°	262104	243364	201821	143698	109658
10°	323912	274298	195305	54353	16124
15°	419500	312200	178173	11928	10627
20°	429891	363637	143413	9934	10263
25°	436795	384937	96153	9615	10299
30°	484775	382359	49597	9705	10779
35°	505681	373837	13687	10260	11774
40°	553329	327856	6497	10971	12995
45°	541360	278608	6600	11886	14516
50°	390241	68751	7261	13075	15969
55°	74885	4354	7597	14112	17896
60°	3720	4340	7474	14949	19289
65°	3668	4401	7376	15445	20620
70°	3626	4532	7301	15459	20947
75°	3593	4791	7187	15637	21626
80°	1785	5356	7141	16166	21522
85°	3557	3557	7114	14227	21341

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 541360 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	5.4
10°-20°	282.9	14.8
20°-30°	435.4	22.7
30°-40°	510.9	26.7
40°-50°	409.6	21.4
50°-60°	127.2	6.6
60°-70°	24.0	1.3
70°-80°	16.0	0.8
80°-90°	5.5	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°	820.7	42.9
0°-40°	1331.6	69.6
0°-60°	1868.4	97.6
0°-90°	1914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1914.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1178	1178	1178	1178	1178	
5°	1516	1408	1167	831	634	155
15°	2353	1751	999	67	60	644
25°	2299	2026	506	51	54	1085
35°	2405	1778	65	49	56	1522
45°	2223	1144	27	49	60	1591
55°	249	14	25	47	60	395
65°	9	11	18	38	51	8
75°	5	7	11	24	32	5
85°	2	2	4	7	11	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°	1178.2	1178.2	1178.2	1178.2	1178.2	1178.2	1178.2	1178.2	1178.2	1178.2	1178.2
2.5°	1358.9	1344.4	1344.4	1339.0	1333.6	1335.4	1321.0	1326.4	1311.9	1301.1	1292.0
5°	1516.1	1498.0	1496.2	1487.2	1478.2	1470.9	1452.9	1442.0	1420.3	1407.7	1380.6
7.5°	1678.8	1664.3	1655.3	1644.4	1628.2	1610.1	1579.4	1559.5	1525.2	1490.8	1456.5
10°	1852.2	1839.6	1819.7	1807.1	1761.9	1733.0	1691.4	1664.3	1613.7	1568.5	1516.1
12.5°	2155.8	2148.6	2110.6	2085.3	2020.3	1962.5	1872.1	1799.8	1709.5	1635.4	1564.9
15°	2352.8	2343.7	2323.9	2300.4	2258.8	2193.8	2112.4	2011.3	1884.8	1751.0	1631.8
17.5°	2387.1	2388.9	2376.3	2370.9	2343.7	2302.2	2237.1	2161.2	2034.7	1886.6	1723.9
20°	2345.6	2360.0	2356.4	2367.2	2372.7	2356.4	2313.0	2238.9	2128.7	1984.1	1801.6
22.5°	2295.0	2307.6	2304.0	2323.9	2354.6	2370.9	2356.4	2296.8	2184.7	2023.9	1845.0
25°	2298.6	2307.6	2280.5	2293.2	2332.9	2372.7	2374.5	2322.1	2201.0	2025.7	1841.4
27.5°	2378.1	2351.0	2289.5	2284.1	2332.9	2383.5	2387.1	2322.1	2177.5	1987.8	1805.2
30°	2437.7	2417.8	2349.2	2340.1	2387.1	2421.5	2403.4	2302.2	2121.5	1922.7	1752.8
32.5°	2408.8	2412.4	2383.5	2412.4	2473.9	2488.3	2412.4	2255.2	2043.8	1859.5	1691.4
35°	2405.2	2419.6	2435.9	2481.1	2522.6	2488.3	2367.2	2166.7	1960.7	1778.1	1595.6
37.5°	2426.9	2450.4	2473.9	2513.6	2513.6	2425.1	2248.0	2054.6	1861.3	1662.5	1396.9
40°	2461.2	2475.7	2482.9	2479.3	2430.5	2300.4	2112.4	1919.1	1734.8	1458.3	1264.9
42.5°	2416.0	2414.2	2407.0	2376.3	2285.9	2116.1	1940.8	1783.6	1492.6	1315.5	1095.1
45°	2222.7	2222.7	2202.8	2154.0	2070.9	1929.9	1774.5	1545.0	1360.7	1143.9	813.2
47.5°	1682.4	1669.7	1691.4	1720.3	1720.3	1707.7	1566.7	1367.9	1180.0	825.8	260.2
50°	1456.5	1436.6	1409.5	1414.9	1411.3	1425.8	1335.4	1185.4	872.8	256.6	18.1
52.5°	824.0	860.2	948.7	1073.4	1129.4	1149.3	1093.3	901.7	294.5	16.3	14.5
55°	249.4	256.6	290.9	357.8	486.1	621.6	630.7	292.7	19.9	14.5	14.5
57.5°	10.8	10.8	14.5	21.7	50.6	75.9	81.3	18.1	12.6	14.5	14.5
60°	10.8	10.8	10.8	10.8	10.8	10.8	12.6	12.6	12.6	12.6	14.5
62.5°	9.0	9.0	10.8	10.8	10.8	10.8	10.8	10.8	12.6	12.6	12.6
65°	9.0	9.0	9.0	9.0	9.0	9.0	10.8	10.8	10.8	10.8	12.6
67.5°	7.2	7.2	7.2	9.0	9.0	9.0	9.0	9.0	10.8	10.8	10.8
70°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	9.0	9.0	9.0	9.0
72.5°	5.4	5.4	5.4	5.4	5.4	7.2	7.2	7.2	7.2	7.2	9.0
75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2	7.2	7.2
77.5°	3.6	3.6	3.6	3.6	3.6	5.4	5.4	5.4	5.4	5.4	5.4
80°	1.8	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
87.5°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	1178.2	1178.2	1178.2	1178.2	1178.2	1178.2	1178.2	1178.2
2.5°	1279.4	1264.9	1248.7	1180.0	1113.1	1022.8	961.4	943.3
5°	1357.1	1333.6	1297.5	1167.4	1010.1	831.2	686.7	634.3
7.5°	1422.2	1386.0	1335.4	1149.3	887.3	563.8	363.2	307.2
10°	1469.1	1424.0	1358.9	1116.8	724.6	310.8	122.9	92.2
12.5°	1508.9	1449.3	1371.6	1068.0	527.7	126.5	63.2	63.2
15°	1536.0	1463.7	1377.0	999.3	341.5	66.9	59.6	59.6
17.5°	1573.9	1480.0	1377.0	903.5	186.1	57.8	57.8	57.8
20°	1635.4	1496.2	1357.1	782.5	103.0	54.2	56.0	56.0
22.5°	1667.9	1519.7	1331.8	641.5	65.1	52.4	54.2	54.2
25°	1675.1	1516.1	1277.6	506.0	52.4	50.6	52.4	54.2
27.5°	1649.8	1490.8	1205.3	368.6	47.0	48.8	52.4	54.2
30°	1604.7	1429.4	1089.7	249.4	43.4	48.8	52.4	54.2
32.5°	1519.7	1281.2	954.1	150.0	41.6	48.8	52.4	56.0
35°	1330.0	1125.8	798.7	65.1	39.8	48.8	54.2	56.0
37.5°	1192.7	970.4	618.0	32.5	39.8	48.8	54.2	57.8
40°	1040.9	780.6	285.5	28.9	39.8	48.8	54.2	57.8
42.5°	793.3	361.4	34.3	28.9	37.9	48.8	56.0	57.8
45°	289.1	37.9	18.1	27.1	37.9	48.8	56.0	59.6
47.5°	21.7	14.5	16.3	27.1	37.9	48.8	56.0	59.6
50°	14.5	14.5	16.3	27.1	37.9	48.8	56.0	59.6
52.5°	14.5	16.3	16.3	25.3	36.1	48.8	56.0	59.6
55°	14.5	16.3	16.3	25.3	36.1	47.0	56.0	59.6
57.5°	14.5	14.5	16.3	23.5	34.3	45.2	56.0	57.8
60°	14.5	14.5	16.3	21.7	32.5	43.4	52.4	56.0
62.5°	14.5	14.5	14.5	19.9	30.7	41.6	50.6	54.2
65°	12.6	12.6	14.5	18.1	27.1	37.9	47.0	50.6
67.5°	10.8	12.6	12.6	16.3	25.3	34.3	43.4	47.0
70°	10.8	10.8	10.8	14.5	21.7	30.7	39.8	41.6
72.5°	9.0	9.0	10.8	12.6	19.9	27.1	36.1	37.9
75°	7.2	9.0	9.0	10.8	16.3	23.5	30.7	32.5
77.5°	7.2	7.2	7.2	9.0	14.5	19.9	25.3	27.1
80°	5.4	5.4	5.4	7.2	10.8	16.3	19.9	21.7
82.5°	3.6	5.4	5.4	5.4	9.0	10.8	14.5	16.3
85°	3.6	3.6	3.6	3.6	5.4	7.2	9.0	10.8
87.5°	1.8	1.8	3.6	3.6	3.6	3.6	3.6	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)