

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: P1309759

Luminaire Tested: LDSQA3D24R609030D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309759
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: LDSQA3D24R609030D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

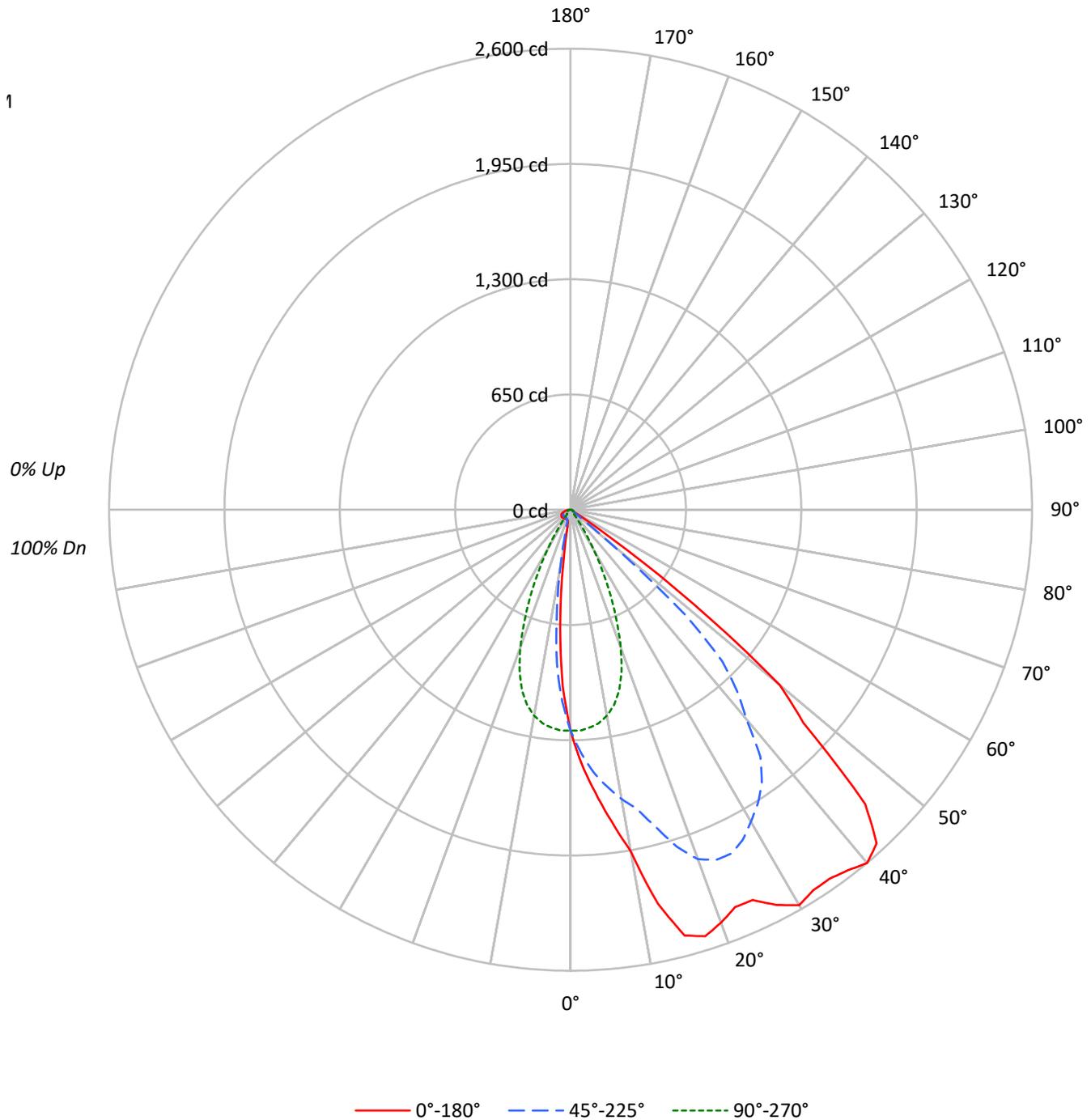
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2022.0 lumens
Efficiency: N/A
Efficacy: 70.2 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

TEST NUMBER: P1309759
CATALOG NUMBER: LDSQA3D24R609030D010 3LSQCA30R 1MW

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°	214366	214366	214366	214366	214366
5°	276903	257091	213196	151806	115847
10°	342187	289775	206323	57430	17033
15°	443160	329816	188229	12588	11233
20°	454138	384164	151496	10502	10850
25°	461442	406657	101569	10166	10889
30°	512139	403936	52381	10242	11395
35°	534212	394945	14444	10828	12447
40°	584556	346359	6857	11578	13737
45°	571902	294317	6966	12543	15344
50°	412265	72636	7663	13798	16880
55°	79089	4594	8017	14893	18916
60°	3961	4616	7888	15776	20391
65°	3871	4686	7784	16341	21802
70°	3827	4784	7704	16365	22106
75°	3793	5057	7652	16502	22890
80°	1884	5653	7538	17059	22712
85°	3754	3754	7509	15018	22724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 571902 cd/sqm



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CATALOG NUMBER: LDSQA3D24R609030D010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	5.4
10°-20°	298.8	14.8
20°-30°	460.0	22.7
30°-40°	539.7	26.7
40°-50°	432.8	21.4
50°-60°	134.4	6.6
60°-70°	25.4	1.3
70°-80°	16.9	0.8
80°-90°	5.8	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°	867.0	42.9
0°-40°	1406.7	69.6
0°-60°	1973.8	97.6
0°-90°	2022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2022.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1245	1245	1245	1245	1245	
5°	1602	1487	1233	878	670	163
15°	2486	1850	1056	71	63	681
25°	2428	2140	534	54	57	1146
35°	2541	1878	69	52	59	1608
45°	2348	1208	29	52	63	1680
55°	263	15	27	50	63	417
65°	10	12	19	40	54	9
75°	6	8	12	25	34	5
85°	2	2	4	8	12	1
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D24R609030D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7
2.5°	1435.6	1420.3	1420.3	1414.6	1408.9	1410.8	1395.5	1401.2	1385.9	1374.5	1364.9
5°	1601.7	1582.6	1580.7	1571.1	1561.6	1553.9	1534.9	1523.4	1500.5	1487.1	1458.5
7.5°	1773.5	1758.2	1748.7	1737.2	1720.0	1700.9	1668.5	1647.5	1611.2	1574.9	1538.7
10°	1956.7	1943.4	1922.4	1909.0	1861.3	1830.7	1786.8	1758.2	1704.8	1657.0	1601.7
12.5°	2277.5	2269.8	2229.7	2203.0	2134.3	2073.2	1977.7	1901.4	1805.9	1727.7	1653.2
15°	2485.5	2476.0	2455.0	2430.2	2386.3	2317.5	2231.6	2124.7	1991.1	1849.8	1723.8
17.5°	2521.8	2523.7	2510.4	2504.6	2476.0	2432.1	2363.4	2283.2	2149.6	1993.0	1821.2
20°	2477.9	2493.2	2489.4	2500.8	2506.5	2489.4	2443.5	2365.3	2248.8	2096.1	1903.3
22.5°	2424.5	2437.8	2434.0	2455.0	2487.5	2504.6	2489.4	2426.4	2308.0	2138.1	1949.1
25°	2428.3	2437.8	2409.2	2422.5	2464.5	2506.5	2508.5	2453.1	2325.2	2140.0	1945.3
27.5°	2512.3	2483.6	2418.7	2413.0	2464.5	2518.0	2521.8	2453.1	2300.4	2099.9	1907.1
30°	2575.3	2554.3	2481.7	2472.2	2521.8	2558.1	2539.0	2432.1	2241.2	2031.2	1851.7
32.5°	2544.7	2548.5	2518.0	2548.5	2613.4	2628.7	2548.5	2382.5	2159.1	1964.4	1786.8
35°	2540.9	2556.2	2573.4	2621.1	2665.0	2628.7	2500.8	2288.9	2071.3	1878.5	1685.7
37.5°	2563.8	2588.6	2613.4	2655.4	2655.4	2561.9	2374.8	2170.6	1966.3	1756.3	1475.7
40°	2600.1	2615.4	2623.0	2619.2	2567.6	2430.2	2231.6	2027.4	1832.7	1540.6	1336.3
42.5°	2552.4	2550.5	2542.8	2510.4	2414.9	2235.5	2050.3	1884.2	1576.9	1389.8	1156.9
45°	2348.1	2348.1	2327.1	2275.6	2187.7	2038.8	1874.7	1632.2	1437.5	1208.4	859.1
47.5°	1777.3	1763.9	1786.8	1817.4	1817.4	1804.0	1655.1	1445.1	1246.6	872.4	274.9
50°	1538.7	1517.7	1489.0	1494.8	1490.9	1506.2	1410.8	1252.3	922.1	271.1	19.1
52.5°	870.5	908.7	1002.2	1134.0	1193.1	1214.1	1155.0	952.6	311.2	17.2	15.3
55°	263.4	271.1	307.4	378.0	513.5	656.7	666.2	309.3	21.0	15.3	15.3
57.5°	11.5	11.5	15.3	22.9	53.5	80.2	85.9	19.1	13.4	15.3	15.3
60°	11.5	11.5	11.5	11.5	11.5	11.5	13.4	13.4	13.4	13.4	15.3
62.5°	9.5	9.5	11.5	11.5	11.5	11.5	11.5	11.5	13.4	13.4	13.4
65°	9.5	9.5	9.5	9.5	9.5	9.5	11.5	11.5	11.5	11.5	13.4
67.5°	7.6	7.6	7.6	9.5	9.5	9.5	9.5	9.5	11.5	11.5	11.5
70°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	9.5	9.5	9.5	9.5
72.5°	5.7	5.7	5.7	5.7	5.7	7.6	7.6	7.6	7.6	7.6	9.5
75°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6	7.6	7.6
77.5°	3.8	3.8	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.7
80°	1.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
87.5°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309759

CATALOG NUMBER: LDSQA3D24R609030D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7	1244.7
2.5°	1351.6	1336.3	1319.1	1246.6	1176.0	1080.5	1015.6	996.5
5°	1433.7	1408.9	1370.7	1233.2	1067.1	878.1	725.4	670.1
7.5°	1502.4	1464.2	1410.8	1214.1	937.3	595.6	383.7	324.5
10°	1552.0	1504.3	1435.6	1179.8	765.5	328.4	129.8	97.4
12.5°	1594.0	1531.0	1448.9	1128.2	557.4	133.6	66.8	66.8
15°	1622.7	1546.3	1454.7	1055.7	360.8	70.6	63.0	63.0
17.5°	1662.8	1563.5	1454.7	954.5	196.6	61.1	61.1	61.1
20°	1727.7	1580.7	1433.7	826.6	108.8	57.3	59.2	59.2
22.5°	1762.0	1605.5	1406.9	677.7	68.7	55.4	57.3	57.3
25°	1769.7	1601.7	1349.7	534.5	55.4	53.5	55.4	57.3
27.5°	1742.9	1574.9	1273.3	389.4	49.6	51.5	55.4	57.3
30°	1695.2	1510.0	1151.1	263.4	45.8	51.5	55.4	57.3
32.5°	1605.5	1353.5	1008.0	158.4	43.9	51.5	55.4	59.2
35°	1405.0	1189.3	843.8	68.7	42.0	51.5	57.3	59.2
37.5°	1260.0	1025.1	652.9	34.4	42.0	51.5	57.3	61.1
40°	1099.6	824.7	301.6	30.5	42.0	51.5	57.3	61.1
42.5°	838.1	381.8	36.3	30.5	40.1	51.5	59.2	61.1
45°	305.4	40.1	19.1	28.6	40.1	51.5	59.2	63.0
47.5°	22.9	15.3	17.2	28.6	40.1	51.5	59.2	63.0
50°	15.3	15.3	17.2	28.6	40.1	51.5	59.2	63.0
52.5°	15.3	17.2	17.2	26.7	38.2	51.5	59.2	63.0
55°	15.3	17.2	17.2	26.7	38.2	49.6	59.2	63.0
57.5°	15.3	15.3	17.2	24.8	36.3	47.7	59.2	61.1
60°	15.3	15.3	17.2	22.9	34.4	45.8	55.4	59.2
62.5°	15.3	15.3	15.3	21.0	32.5	43.9	53.5	57.3
65°	13.4	13.4	15.3	19.1	28.6	40.1	49.6	53.5
67.5°	11.5	13.4	13.4	17.2	26.7	36.3	45.8	49.6
70°	11.5	11.5	11.5	15.3	22.9	32.5	42.0	43.9
72.5°	9.5	9.5	11.5	13.4	21.0	28.6	38.2	40.1
75°	7.6	9.5	9.5	11.5	17.2	24.8	32.5	34.4
77.5°	7.6	7.6	7.6	9.5	15.3	21.0	26.7	28.6
80°	5.7	5.7	5.7	7.6	11.5	17.2	21.0	22.9
82.5°	3.8	5.7	5.7	5.7	9.5	11.5	15.3	17.2
85°	3.8	3.8	3.8	3.8	5.7	7.6	9.5	11.5
87.5°	1.9	1.9	3.8	3.8	3.8	3.8	3.8	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)