

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: P1315820

Luminaire Tested: LDSQA3D17R559735DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315820
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: LDSQA3D17R559735DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

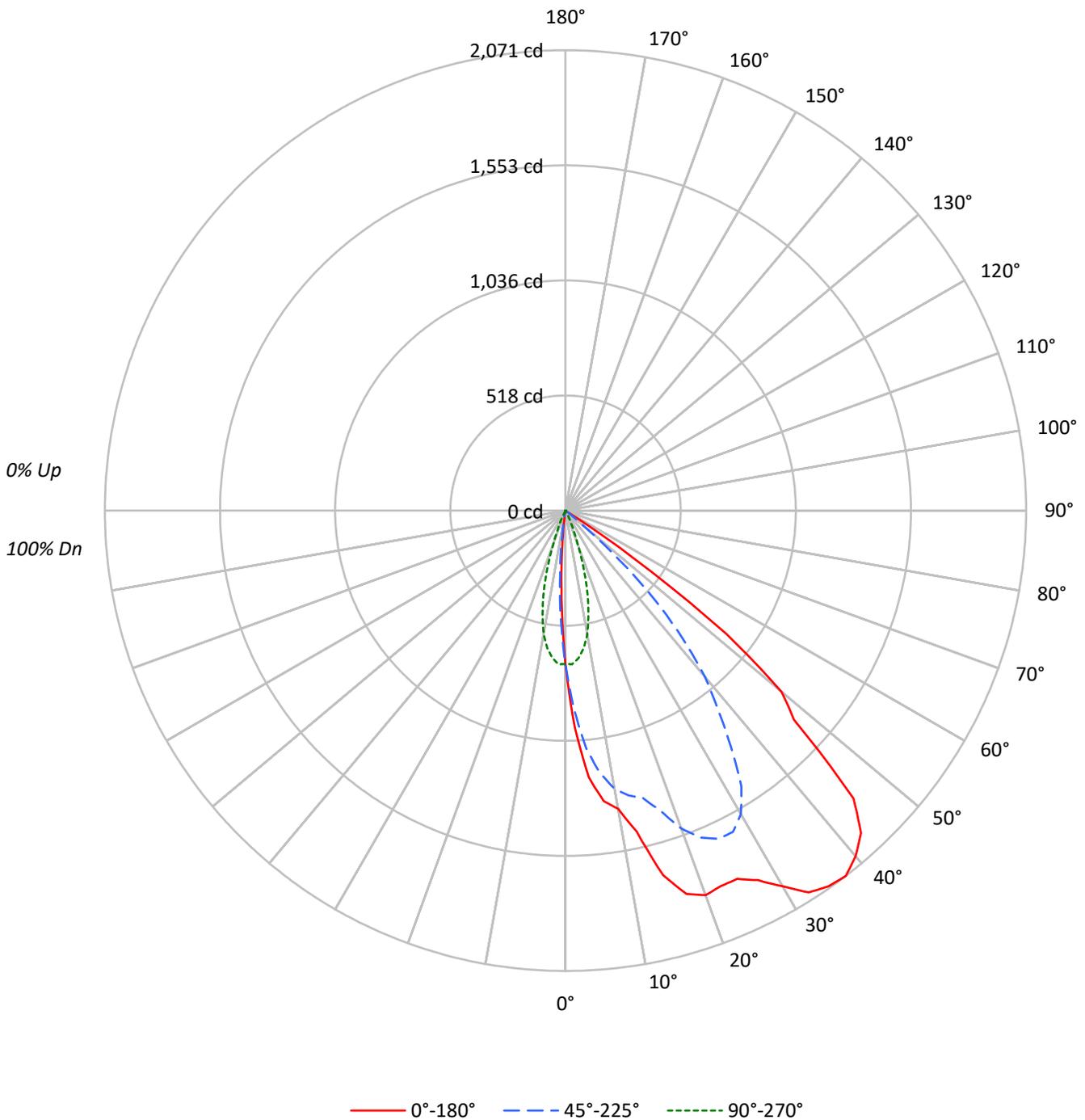
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1276.0 lumens
Efficiency: N/A
Efficacy: 60.2 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): 21.2
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: P1315820
CATALOG NUMBER: LDSQA3D17R559735DE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1315820
 CATALOG NUMBER: LDSQA3D17R559735DE010 3LSQCA30R 1MB

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	90	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°	118748	118748	118748	118748	118748
5°	208131	185535	115259	47888	27574
10°	238221	222079	98562	5246	1889
15°	302750	238384	67557	1070	642
20°	337355	278890	29672	0	0
25°	347274	309439	8437	0	0
30°	387987	313571	1193	0	0
35°	433630	272288	0	0	0
40°	456139	219178	0	0	0
45°	445982	138439	0	0	0
50°	339602	28267	0	0	0
55°	111247	0	0	0	0
60°	0	0	0	0	0
65°	0	489	489	0	0
70°	0	604	604	0	0
75°	0	799	799	0	0
80°	0	1190	2380	1190	0
85°	0	2371	2371	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 445982 cd/sqm



TEST NUMBER: P1315820

CATALOG NUMBER: LDSQA3D17R559735DE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	4.9
10°-20°	184.6	14.5
20°-30°	300.2	23.5
30°-40°	356.8	28.0
40°-50°	291.8	22.9
50°-60°	77.3	6.1
60°-70°	0.5	0.0
70°-80°	0.8	0.1
80°-90°	0.9	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°	547.9	42.9
0°-40°	904.7	70.9
0°-60°	1273.8	99.8
0°-90°	1276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1276.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	690	690	690	690	690	
5°	1204	1073	667	277	160	118
15°	1698	1337	379	6	4	475
25°	1828	1628	44	0	0	861
35°	2062	1295	0	0	0	1282
45°	1831	568	0	0	0	1314
55°	370	0	0	0	0	417
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1315820

CATALOG NUMBER: LDSQA3D17R559735DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	689.5	689.5	689.5	689.5	689.5	689.5	689.5	689.5	689.5	689.5	689.5
2.5°	978.5	971.3	972.5	968.9	972.5	956.9	940.1	924.5	912.5	895.7	793.8
5°	1203.9	1191.9	1188.3	1183.5	1178.7	1159.6	1144.0	1124.8	1102.0	1073.2	886.2
7.5°	1317.8	1308.2	1303.4	1305.8	1295.1	1287.9	1267.5	1245.9	1221.9	1190.7	955.7
10°	1362.2	1352.6	1351.4	1350.2	1349.0	1344.2	1334.6	1315.4	1293.9	1269.9	995.3
12.5°	1478.5	1456.9	1442.5	1425.8	1405.4	1379.0	1357.4	1340.6	1332.2	1313.0	1013.3
15°	1698.0	1677.6	1662.0	1640.4	1602.0	1545.7	1494.1	1428.2	1370.6	1337.0	1006.1
17.5°	1808.3	1798.7	1785.5	1771.1	1744.7	1704.0	1651.2	1581.6	1508.5	1413.8	971.3
20°	1840.7	1835.9	1826.3	1820.3	1802.3	1773.5	1737.5	1683.6	1615.2	1521.7	917.3
22.5°	1827.5	1831.1	1835.9	1851.4	1853.8	1833.5	1799.9	1748.3	1678.8	1592.4	834.6
25°	1827.5	1825.1	1825.1	1857.4	1877.8	1868.2	1844.2	1797.5	1726.7	1628.4	732.7
27.5°	1874.2	1859.8	1829.9	1863.4	1897.0	1893.4	1871.8	1816.7	1737.5	1629.6	608.0
30°	1951.0	1919.8	1870.6	1901.8	1933.0	1919.8	1885.0	1814.3	1713.5	1576.8	455.7
32.5°	2036.1	2021.7	1996.5	2016.9	2012.1	1959.4	1897.0	1798.7	1664.4	1471.3	307.0
35°	2062.5	2064.9	2048.1	2044.5	2016.9	1963.0	1897.0	1754.3	1561.3	1295.1	182.3
37.5°	2070.9	2072.1	2045.7	2012.1	1971.4	1907.8	1828.7	1663.2	1370.6	1124.8	97.1
40°	2028.9	2027.7	1984.5	1943.8	1898.2	1835.9	1720.7	1471.3	1189.5	974.9	34.8
42.5°	1966.6	1951.0	1910.2	1859.8	1804.7	1726.7	1546.9	1242.3	1033.6	780.6	2.4
45°	1831.1	1816.7	1784.3	1730.3	1669.2	1558.9	1274.7	1067.2	840.6	568.4	0.0
47.5°	1392.2	1385.0	1418.6	1425.8	1424.6	1298.6	1063.6	870.6	617.5	331.0	0.0
50°	1267.5	1257.9	1224.3	1181.1	1104.4	998.9	852.6	645.1	362.1	105.5	0.0
52.5°	910.1	941.3	948.5	916.1	844.2	739.9	587.6	371.7	125.9	0.0	0.0
55°	370.5	351.3	365.7	383.7	398.1	365.7	271.0	131.9	1.2	0.0	0.0
57.5°	0.0	1.2	7.2	16.8	27.6	34.8	37.2	2.4	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	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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: P1315820
 CATALOG NUMBER: LDSQA3D17R559735DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	689.5	689.5	689.5	689.5	689.5
2.5°	691.9	585.2	482.0	425.7	398.1
5°	666.7	447.3	277.0	191.9	159.5
7.5°	624.7	307.0	110.3	45.6	32.4
10°	563.6	176.3	30.0	12.0	10.8
12.5°	476.1	80.3	10.8	8.4	8.4
15°	378.9	27.6	6.0	4.8	3.6
17.5°	266.2	7.2	2.4	0.0	0.0
20°	161.9	1.2	0.0	0.0	0.0
22.5°	89.9	0.0	0.0	0.0	0.0
25°	44.4	0.0	0.0	0.0	0.0
27.5°	19.2	0.0	0.0	0.0	0.0
30°	6.0	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°	1.2	0.0	0.0	0.0	0.0
65°	1.2	1.2	0.0	0.0	0.0
67.5°	1.2	1.2	0.0	0.0	0.0
70°	1.2	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	0.0	0.0	0.0
75°	1.2	1.2	0.0	0.0	0.0
77.5°	2.4	1.2	1.2	0.0	0.0
80°	2.4	1.2	1.2	0.0	0.0
82.5°	2.4	1.2	1.2	0.0	0.0
85°	1.2	1.2	1.2	0.0	0.0
87.5°	2.4	1.2	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)