

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: P1319433

Luminaire Tested: LDSQA3D17R559835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559835DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

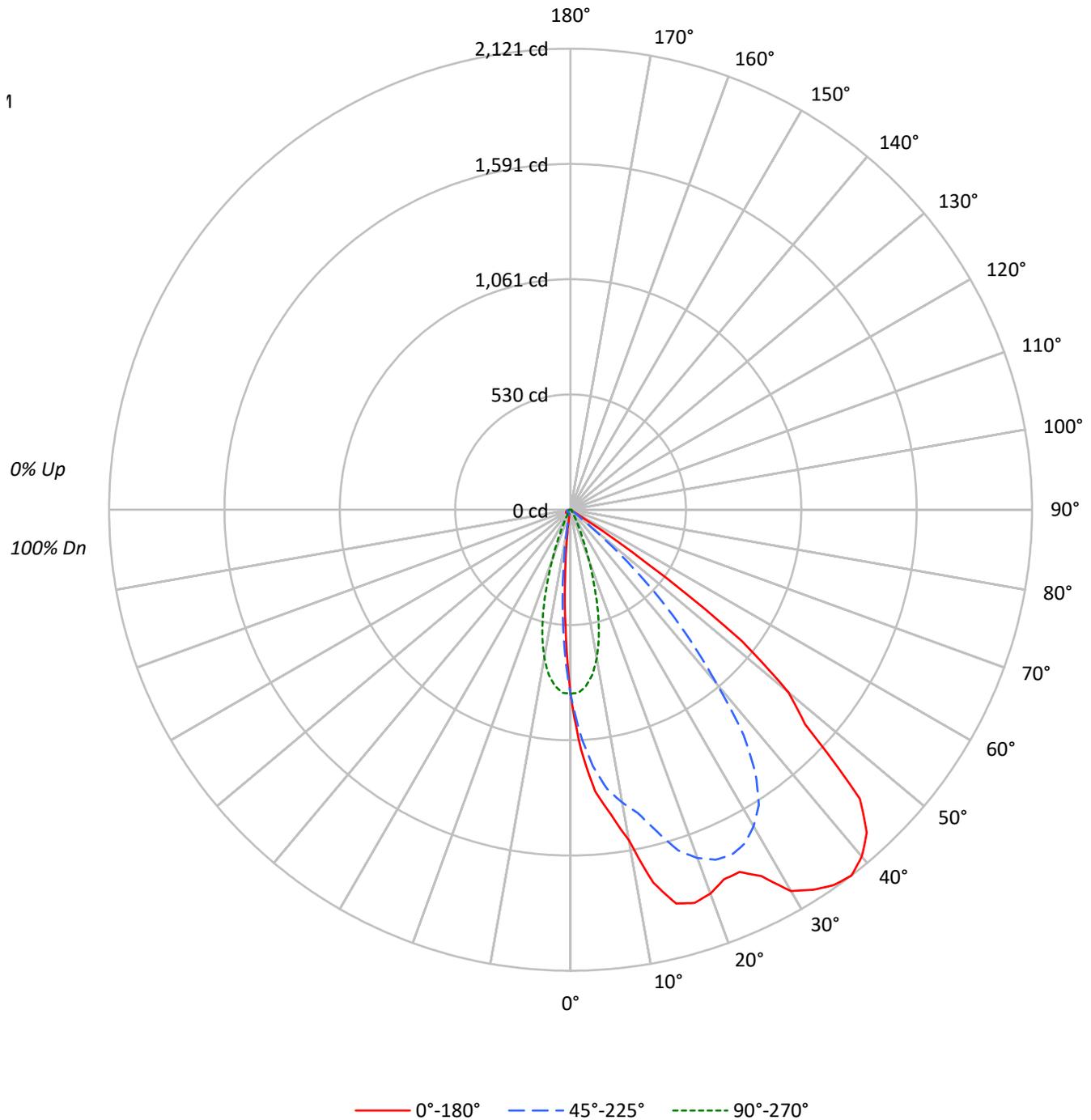
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1412.1 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

TEST NUMBER: P1319433
CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1319433

CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCA30R 1MW

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	110	107	104	102	103	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	63	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	57	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	39	61	50	43	38	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	145752	145752	145752	145752	145752
5°	224762	204621	140794	72299	47490
10°	270049	239165	121191	18240	7292
15°	334380	273135	86599	5028	3940
20°	344375	312466	44738	3372	3372
25°	349383	332832	17939	3021	3496
30°	402703	334412	7796	3162	3659
35°	443281	311772	3343	3343	4121
40°	468212	234668	1933	3867	4406
45°	457965	143384	1802	4189	5383
50°	350320	30571	1983	4930	6243
55°	128542	1111	2222	5525	6996
60°	1274	1274	2549	6338	8026
65°	1508	1508	3016	6479	8517
70°	1259	1863	3072	7402	9869
75°	799	1664	3261	8185	11445
80°	1190	2479	3670	8529	12199
85°	0	2371	4940	9683	12054

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 457965 cd/sqm



TEST NUMBER: P1319433

CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	5.3
10°-20°	213.4	15.1
20°-30°	327.3	23.2
30°-40°	381.4	27.0
40°-50°	304.8	21.6
50°-60°	90.2	6.4
60°-70°	9.7	0.7
70°-80°	7.6	0.5
80°-90°	3.2	0.2
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°	615.2	43.6
0°-40°	996.6	70.6
0°-60°	1391.6	98.5
0°-90°	1412.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1412.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	846	846	846	846	846	
5°	1300	1184	814	418	275	129
15°	1875	1532	486	28	22	518
25°	1839	1752	94	16	18	873
35°	2108	1483	16	16	20	1313
45°	1880	589	7	17	22	1356
55°	428	4	7	18	23	453
65°	4	4	7	16	21	3
75°	1	2	5	12	17	2
85°	0	1	2	5	6	0
90°	0	0	0	0	0	



TEST NUMBER: P1319433

CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	846.3	846.3	846.3	846.3	846.3	846.3	846.3	846.3	846.3	846.3	846.3
2.5°	1103.9	1103.9	1100.2	1101.4	1099.0	1085.5	1083.0	1065.9	1051.1	1035.2	1021.7
5°	1300.1	1302.6	1298.9	1291.5	1281.7	1271.9	1251.1	1235.1	1214.3	1183.6	1155.4
7.5°	1411.7	1409.3	1403.1	1400.7	1394.6	1383.5	1368.8	1351.6	1327.1	1296.4	1263.3
10°	1544.2	1523.3	1517.2	1507.4	1487.8	1465.7	1439.9	1416.6	1395.8	1367.6	1332.0
12.5°	1757.6	1753.9	1729.4	1711.0	1684.0	1635.0	1590.8	1539.3	1478.0	1428.9	1382.3
15°	1875.4	1877.8	1866.8	1852.1	1834.9	1794.4	1750.3	1690.2	1617.8	1531.9	1455.9
17.5°	1896.2	1899.9	1893.8	1887.6	1882.7	1859.4	1832.4	1789.5	1723.3	1643.5	1530.7
20°	1879.0	1886.4	1887.6	1895.0	1904.8	1895.0	1872.9	1843.5	1788.3	1704.9	1596.9
22.5°	1841.0	1854.5	1864.3	1890.1	1915.8	1915.8	1902.3	1879.0	1825.1	1742.9	1632.5
25°	1838.6	1841.0	1844.7	1886.4	1926.9	1935.5	1923.2	1898.7	1839.8	1751.5	1631.3
27.5°	1899.9	1883.9	1859.4	1901.1	1949.0	1956.3	1939.1	1906.0	1836.1	1731.9	1589.6
30°	2025.0	1989.4	1937.9	1968.6	2001.7	1993.1	1958.8	1906.0	1811.6	1681.6	1511.1
32.5°	2072.8	2053.2	2034.8	2067.9	2074.1	2038.5	1977.2	1898.7	1772.3	1610.4	1382.3
35°	2108.4	2109.6	2102.3	2108.4	2079.0	2028.7	1961.2	1858.2	1698.7	1482.9	1211.8
37.5°	2120.7	2123.1	2107.2	2085.1	2040.9	1983.3	1902.3	1784.6	1576.1	1307.5	954.2
40°	2082.6	2075.3	2049.5	2018.9	1971.0	1912.2	1823.8	1648.5	1393.3	1043.8	744.5
42.5°	2015.2	2002.9	1972.3	1935.5	1885.2	1810.4	1669.3	1457.1	1132.1	814.4	521.3
45°	1880.3	1871.7	1833.7	1806.7	1746.6	1649.7	1468.2	1200.8	875.7	588.7	301.7
47.5°	1460.8	1462.0	1491.5	1504.9	1484.1	1406.8	1193.4	912.5	639.0	350.8	101.8
50°	1307.5	1301.3	1271.9	1231.4	1164.0	1048.7	875.7	645.2	377.8	114.1	14.7
52.5°	992.3	992.3	977.5	956.7	885.6	773.9	592.4	356.9	132.5	19.6	3.7
55°	428.1	406.0	418.2	441.6	423.2	368.0	277.2	106.7	23.3	3.7	3.7
57.5°	6.1	14.7	22.1	35.6	47.8	57.6	30.7	11.0	3.7	3.7	3.7
60°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
62.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
65°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
67.5°	2.5	2.5	2.5	3.7	2.5	3.7	3.7	3.7	3.7	3.7	3.7
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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: P1319433

CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	846.3	846.3	846.3	846.3	846.3	846.3	846.3	846.3
2.5°	1002.1	981.2	946.9	842.6	734.7	635.3	564.2	537.2
5°	1123.5	1085.5	1027.8	814.4	599.8	418.2	315.2	274.7
7.5°	1219.2	1170.1	1086.7	765.4	440.3	223.2	133.7	105.5
10°	1282.9	1229.0	1119.8	693.0	291.9	104.3	50.3	41.7
12.5°	1329.6	1262.1	1132.1	599.8	171.7	47.8	27.0	24.5
15°	1363.9	1276.8	1117.4	485.7	94.4	28.2	22.1	22.1
17.5°	1411.7	1284.2	1081.8	358.1	54.0	20.9	20.9	20.9
20°	1448.5	1284.2	1014.3	244.1	33.1	18.4	18.4	18.4
22.5°	1466.9	1264.6	932.2	154.5	23.3	17.2	18.4	18.4
25°	1448.5	1216.7	826.7	94.4	18.4	15.9	17.2	18.4
27.5°	1381.1	1121.0	685.6	60.1	14.7	15.9	17.2	18.4
30°	1268.2	982.4	526.2	39.2	13.5	15.9	17.2	18.4
32.5°	1108.8	776.4	341.0	25.8	12.3	15.9	17.2	18.4
35°	865.9	549.5	206.1	15.9	12.3	15.9	18.4	19.6
37.5°	648.8	366.7	111.6	9.8	12.3	15.9	18.4	19.6
40°	450.1	213.4	47.8	8.6	12.3	17.2	19.6	19.6
42.5°	261.3	84.6	12.3	7.4	12.3	17.2	19.6	20.9
45°	95.7	17.2	3.7	7.4	13.5	17.2	19.6	22.1
47.5°	13.5	3.7	3.7	7.4	13.5	17.2	20.9	22.1
50°	3.7	3.7	3.7	7.4	13.5	18.4	22.1	23.3
52.5°	3.7	3.7	3.7	7.4	13.5	18.4	22.1	23.3
55°	3.7	3.7	3.7	7.4	13.5	18.4	22.1	23.3
57.5°	3.7	3.7	3.7	7.4	13.5	18.4	22.1	23.3
60°	3.7	3.7	3.7	7.4	12.3	18.4	22.1	23.3
62.5°	3.7	3.7	3.7	7.4	12.3	17.2	20.9	22.1
65°	3.7	3.7	3.7	7.4	11.0	15.9	20.9	20.9
67.5°	3.7	3.7	3.7	6.1	11.0	15.9	19.6	20.9
70°	3.7	3.7	3.7	6.1	9.8	14.7	18.4	19.6
72.5°	3.7	3.7	3.7	4.9	8.6	13.5	17.2	18.4
75°	2.5	3.7	3.7	4.9	8.6	12.3	15.9	17.2
77.5°	2.5	3.7	3.7	3.7	7.4	9.8	13.5	14.7
80°	2.5	2.5	3.7	3.7	6.1	8.6	11.0	12.3
82.5°	2.5	2.5	2.5	3.7	4.9	6.1	8.6	8.6
85°	2.5	2.5	2.5	2.5	3.7	4.9	6.1	6.1
87.5°	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)