

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: P1319586

Luminaire Tested: LDSQA3D20R609835D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R609835D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

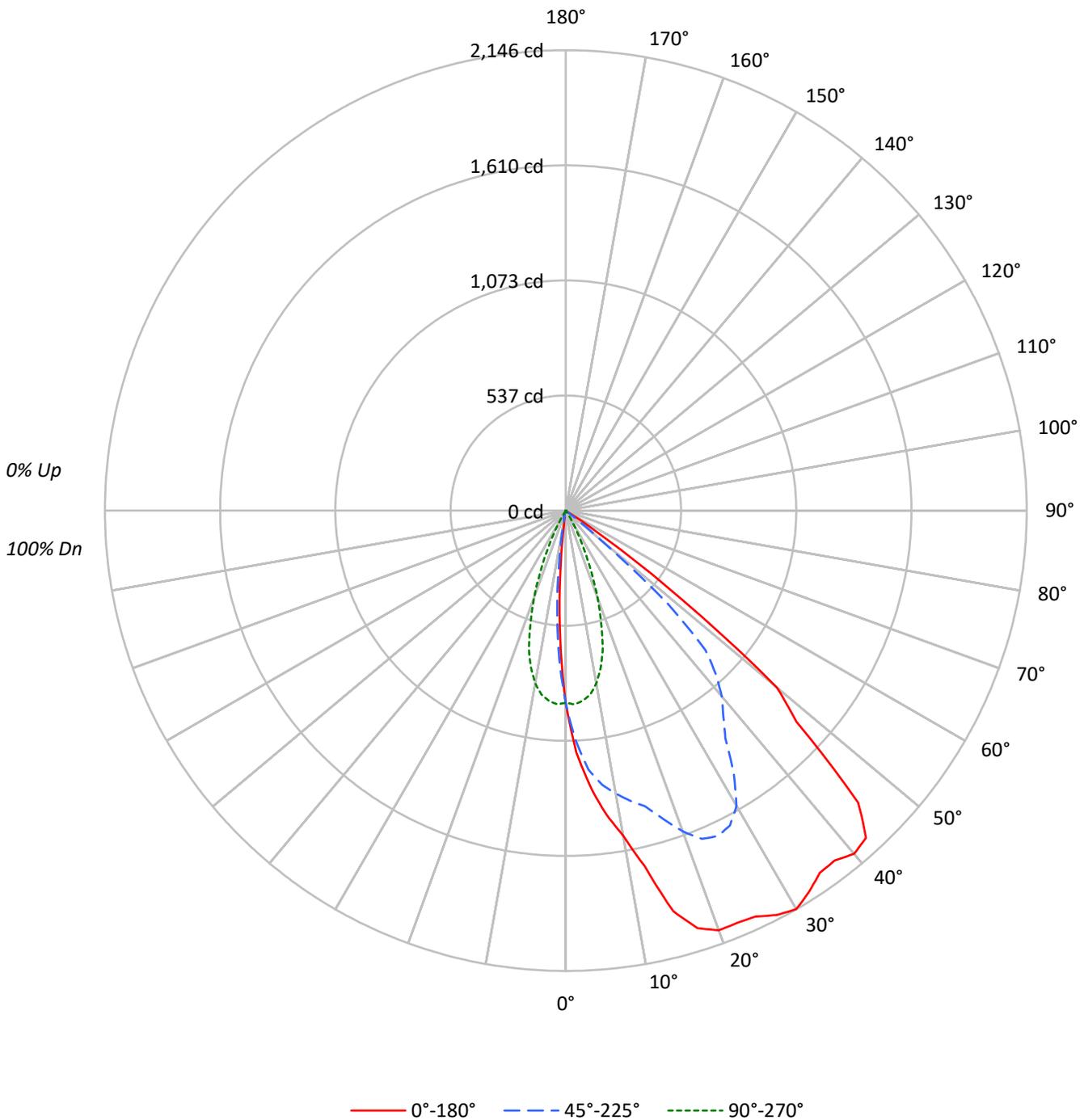
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1456.0 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	154277	154277	154277	154277	154277
5°	222393	209427	154037	79369	50982
10°	269000	234164	142999	9478	5579
15°	344739	254360	118515	6258	5117
20°	381543	291555	79468	3501	586
25°	396795	318048	39069	304	0
30°	426666	316037	10779	0	0
35°	433315	272120	0	0	0
40°	469448	253710	0	0	0
45°	468974	224002	0	0	0
50°	343380	54229	0	0	0
55°	67018	0	0	0	0
60°	0	0	0	0	0
65°	0	652	652	0	0
70°	0	806	806	0	0
75°	0	1065	1065	0	0
80°	0	1587	1587	1587	0
85°	0	3162	3162	3162	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 469753 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	5.3
10°-20°	219.1	15.0
20°-30°	349.1	24.0
30°-40°	403.6	27.7
40°-50°	320.5	22.0
50°-60°	84.3	5.8
60°-70°	0.6	0.0
70°-80°	0.9	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°	645.1	44.3
0°-40°	1048.7	72.0
0°-60°	1453.6	99.8
0°-90°	1456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1456.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	896	896	896	896	896	
5°	1286	1211	891	459	295	130
15°	1934	1427	665	35	29	539
25°	2088	1674	206	2	0	974
35°	2061	1294	0	0	0	1309
45°	1926	920	0	0	0	1371
55°	223	0	0	0	0	336
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	0
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°	895.8	895.8	895.8	895.8	895.8	895.8	895.8	895.8	895.8	895.8	895.8
2.5°	1127.0	1138.1	1133.3	1128.5	1117.4	1112.6	1112.6	1099.9	1079.1	1075.9	1061.6
5°	1286.4	1289.5	1289.5	1286.4	1278.4	1265.6	1262.4	1249.7	1230.6	1211.4	1192.3
7.5°	1425.0	1423.4	1413.9	1407.5	1393.2	1375.6	1359.7	1342.1	1313.5	1287.9	1260.8
10°	1538.2	1543.0	1535.0	1519.1	1499.9	1476.0	1450.5	1420.2	1377.2	1339.0	1303.9
12.5°	1697.6	1696.0	1675.3	1648.2	1602.0	1557.3	1517.5	1484.0	1431.4	1385.2	1342.1
15°	1933.5	1930.3	1911.2	1887.3	1820.3	1753.4	1684.9	1590.8	1503.1	1426.6	1366.1
17.5°	2040.3	2046.7	2030.7	2018.0	1979.7	1935.1	1874.5	1780.5	1645.0	1506.3	1378.8
20°	2081.8	2089.7	2078.6	2077.0	2059.4	2038.7	1989.3	1887.3	1755.0	1590.8	1433.0
22.5°	2080.2	2086.5	2081.8	2102.5	2123.2	2112.0	2051.5	1949.5	1814.0	1656.2	1477.6
25°	2088.1	2083.3	2065.8	2096.1	2126.4	2116.8	2086.5	1998.9	1850.6	1673.7	1493.6
27.5°	2124.8	2089.7	2054.7	2092.9	2107.3	2110.4	2092.9	1989.3	1844.3	1654.6	1461.7
30°	2145.5	2107.3	2078.6	2110.4	2110.4	2128.0	2091.3	1973.4	1790.1	1589.2	1377.2
32.5°	2107.3	2099.3	2124.8	2156.7	2164.6	2164.6	2083.3	1920.8	1699.2	1455.3	1241.7
35°	2061.0	2080.2	2153.5	2167.8	2167.8	2132.8	2033.9	1828.3	1563.7	1294.3	1141.3
37.5°	2056.3	2086.5	2167.8	2150.3	2121.6	2056.3	1912.8	1667.3	1370.8	1203.5	1066.4
40°	2088.1	2116.8	2164.6	2100.9	2032.3	1930.3	1758.2	1456.9	1254.5	1128.5	975.5
42.5°	2069.0	2096.1	2097.7	2003.6	1906.4	1767.7	1539.8	1286.4	1170.0	1032.9	871.9
45°	1925.5	1928.7	1922.4	1821.9	1721.5	1578.1	1335.8	1201.9	1077.5	919.7	640.8
47.5°	1455.3	1448.9	1472.8	1444.2	1448.9	1362.9	1213.0	1103.0	954.8	645.6	194.5
50°	1281.6	1273.6	1249.7	1224.2	1198.7	1157.2	1087.1	969.1	688.6	202.4	6.4
52.5°	687.0	725.3	800.2	915.0	958.0	954.8	902.2	717.3	216.8	1.6	0.0
55°	223.2	220.0	245.5	290.1	398.5	459.1	478.2	243.9	4.8	0.0	0.0
57.5°	0.0	0.0	0.0	4.8	15.9	41.4	54.2	3.2	0.0	1.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
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°	895.8	895.8	895.8	895.8	895.8	895.8	895.8	895.8
2.5°	1042.5	1020.2	994.7	903.8	797.0	693.4	618.5	599.3
5°	1162.0	1123.8	1069.6	891.0	658.3	459.1	328.4	294.9
7.5°	1224.2	1190.7	1133.3	865.5	510.1	226.3	84.5	57.4
10°	1262.4	1222.6	1158.8	817.7	333.1	54.2	30.3	31.9
12.5°	1289.5	1243.3	1171.6	749.2	169.0	27.1	38.3	39.8
15°	1300.7	1251.3	1170.0	664.7	60.6	35.1	33.5	28.7
17.5°	1294.3	1232.2	1149.3	543.6	20.7	33.5	17.5	14.3
20°	1286.4	1216.2	1115.8	433.6	17.5	19.1	6.4	3.2
22.5°	1311.9	1189.1	1069.6	310.8	17.5	6.4	0.0	0.0
25°	1315.0	1178.0	1010.6	205.6	8.0	1.6	0.0	0.0
27.5°	1283.2	1112.6	919.7	121.1	0.0	0.0	0.0	0.0
30°	1181.1	1031.3	822.5	54.2	0.0	0.0	0.0	0.0
32.5°	1080.7	940.5	714.1	12.8	0.0	0.0	0.0	0.0
35°	1001.0	846.4	594.6	0.0	0.0	0.0	0.0	0.0
37.5°	902.2	734.8	443.1	0.0	0.0	0.0	0.0	0.0
40°	798.6	593.0	221.6	0.0	0.0	0.0	0.0	0.0
42.5°	623.3	282.1	22.3	0.0	0.0	0.0	0.0	0.0
45°	239.1	25.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
65°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
67.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
70°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
72.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
75°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
77.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
82.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)