

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: P1323441

Luminaire Tested: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

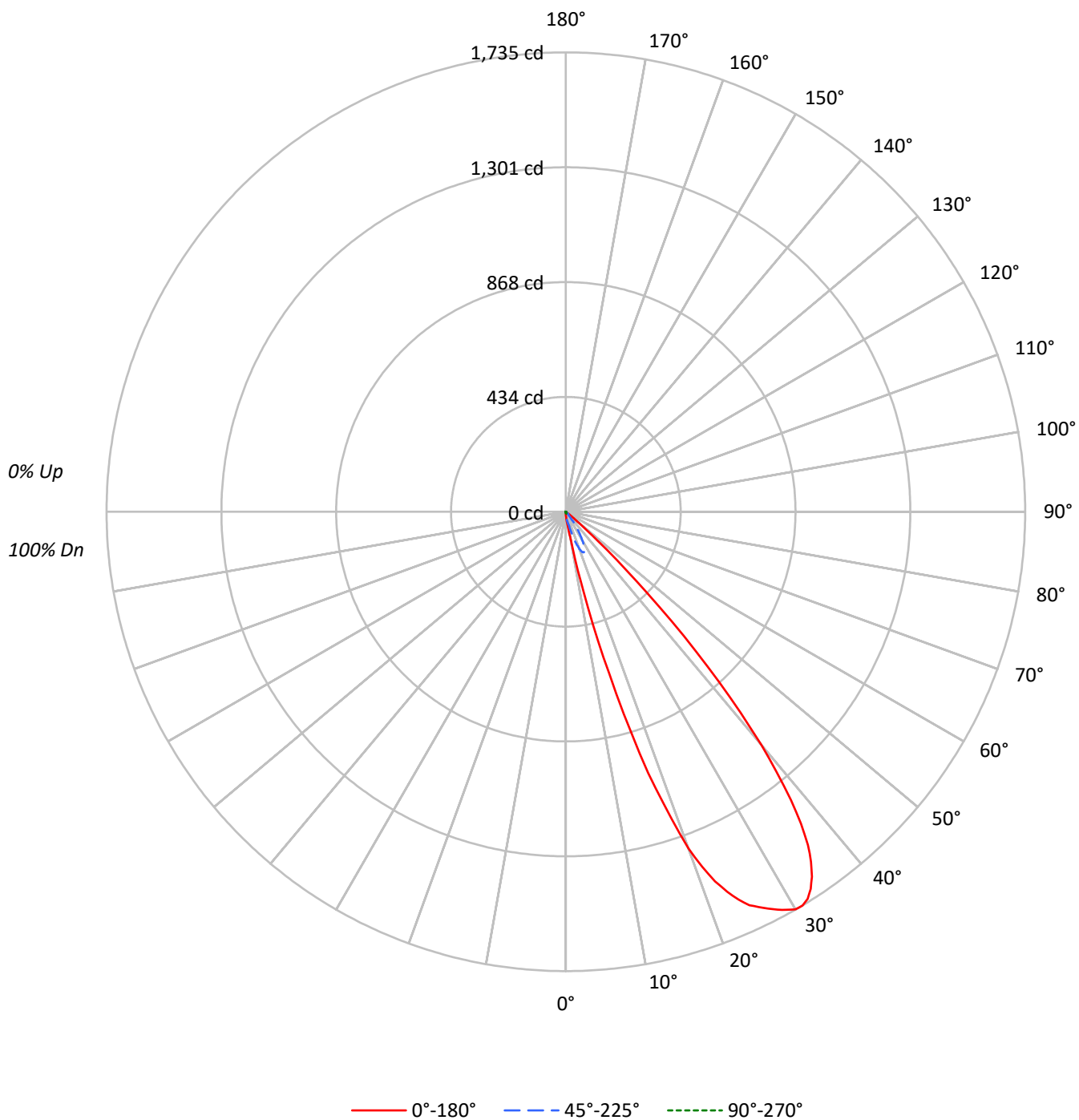
Lumens per Lamp: N/A
Luminaire Lumens: 340.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1323441

CATALOG NUMBER: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1323441

CATALOG NUMBER: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93		92
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89	87	85		83
3	99	92	86	81	97	90	85	80	87	83	79		85	81	78		83	79	77		75
4	93	84	77	72	91	83	76	72	80	75	71		78	74	70		76	72	69		67
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70	66	62		61
6	81	70	63	58	79	69	63	58	68	62	57		66	61	57		65	60	56		55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51		49
8	70	59	52	47	69	58	52	47	57	51	47		56	51	46		55	50	46		45
9	66	54	47	42	65	54	47	42	53	47	42		52	46	42		51	46	42		40
10	62	50	43	38	60	50	43	38	49	42	38		48	42	38		47	42	38		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1843	1843	1843	1843	1843
5°	5791	4045	1694	899	674
10°	18275	7345	1259	122	0
15°	113041	13996	749	0	0
20°	247862	27271	238	0	0
25°	311587	31373	0	0	0
30°	344912	24281	0	0	0
35°	339525	13771	0	0	0
40°	258072	3597	0	0	0
45°	104536	1583	0	0	0
50°	11601	188	0	0	0
55°	871	0	90	0	0
60°	0	0	103	0	0
65°	0	0	285	0	0
70°	0	151	352	0	0
75°	0	200	665	0	0
80°	0	298	992	0	0
85°	0	593	1976	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 104536 cd/sqm

TEST NUMBER: P1323441

CATALOG NUMBER: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.5
10°-20°	35.1	10.3
20°-30°	122.8	36.1
30°-40°	136.9	40.3
40°-50°	41.4	12.2
50°-60°	1.4	0.4
60°-70°	0.2	0.1
70°-80°	0.3	0.1
80°-90°	0.3	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°	159.6	46.9
0°-40°	296.5	87.2
0°-60°	339.2	99.8
0°-90°	340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	340.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	34	23	10	5	4	5
15°	634	78	4	0	0	211
25°	1640	165	0	0	0	748
35°	1615	66	0	0	0	969
45°	429	6	0	0	0	371
55°	3	0	0	0	0	9
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1323441

CATALOG NUMBER: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
2.5°	18.6	19.2	18.9	19.2	18.9	18.9	18.9	19.2	18.9	18.9	18.9
5°	33.5	33.9	33.9	33.5	33.5	34.2	33.5	33.9	32.9	33.5	33.2
7.5°	55.0	54.4	54.4	54.7	54.7	54.1	53.7	53.1	53.7	53.7	52.8
10°	104.5	103.9	102.3	101.6	102.3	102.3	99.0	99.6	100.0	97.0	96.1
12.5°	307.1	304.8	309.4	302.2	298.0	291.1	295.0	281.7	278.8	276.8	272.2
15°	634.0	651.3	643.8	644.5	645.8	629.5	635.0	614.8	597.9	592.7	589.1
17.5°	1033.9	1039.2	1032.3	1029.1	1027.8	1019.9	1010.5	1000.4	987.4	976.0	966.5
20°	1352.4	1348.5	1336.8	1338.1	1324.1	1316.9	1308.8	1298.7	1288.6	1272.0	1256.0
21°	1436.5	1425.1	1425.4	1417.6	1417.2	1408.1	1393.8	1383.4	1374.3	1355.4	1345.3
22°	1505.5	1502.9	1497.0	1491.2	1485.0	1480.4	1464.5	1459.2	1440.7	1425.1	1410.7
23°	1559.2	1560.2	1555.0	1551.1	1542.6	1540.7	1520.1	1513.0	1500.3	1476.5	1461.9
24°	1603.8	1602.2	1596.3	1589.5	1584.6	1580.1	1564.4	1552.7	1538.7	1519.2	1504.8
25°	1639.7	1635.8	1631.8	1626.6	1618.8	1613.6	1597.7	1584.6	1572.6	1550.8	1531.2
26°	1660.8	1661.8	1655.6	1651.7	1644.9	1639.7	1623.1	1607.7	1592.8	1569.3	1551.7
27°	1682.3	1681.3	1675.8	1669.9	1662.8	1660.8	1641.6	1625.7	1610.4	1585.6	1564.8
28°	1702.2	1699.6	1695.0	1688.2	1680.4	1674.5	1655.9	1639.3	1622.7	1596.3	1573.6
29°	1718.8	1716.2	1713.3	1704.5	1694.4	1690.5	1670.6	1650.4	1633.8	1606.8	1582.7
30°	1734.4	1729.5	1722.7	1715.2	1705.4	1698.0	1677.1	1659.5	1640.0	1610.0	1586.9
31°	1735.1	1728.6	1723.7	1715.9	1704.8	1695.7	1673.9	1655.9	1633.1	1605.1	1580.1
32°	1723.7	1720.4	1712.6	1704.1	1693.4	1684.3	1660.2	1641.3	1619.8	1589.8	1564.8
33°	1698.0	1694.7	1690.1	1681.3	1667.3	1658.9	1637.4	1616.5	1595.4	1568.3	1539.7
34°	1662.5	1658.5	1652.7	1643.9	1629.6	1620.8	1603.5	1582.0	1559.6	1531.5	1504.8
35°	1614.9	1607.4	1605.8	1592.8	1579.4	1577.1	1556.6	1534.1	1511.4	1480.4	1457.3
36°	1556.0	1547.2	1541.3	1536.8	1528.0	1517.2	1497.0	1479.1	1449.8	1429.9	1397.4
37°	1475.5	1464.8	1470.3	1457.9	1444.3	1439.7	1414.0	1397.7	1373.0	1345.9	1318.2
38°	1381.7	1380.8	1379.5	1373.9	1350.5	1338.4	1327.7	1310.4	1288.9	1256.4	1218.9
39°	1263.2	1265.2	1258.3	1259.0	1247.2	1235.2	1220.2	1200.7	1174.6	1145.0	1114.7
40°	1147.9	1120.2	1125.1	1108.5	1109.5	1091.6	1072.0	1054.8	1038.2	1012.1	970.8
42.5°	794.3	790.0	775.4	765.0	769.5	746.4	720.7	696.6	673.4	644.1	608.0
45°	429.2	419.4	422.4	405.4	405.4	395.0	387.9	367.7	346.2	332.8	312.0
47.5°	159.6	161.5	165.1	158.3	150.5	155.0	148.2	148.2	144.6	140.4	134.5
50°	43.3	44.0	43.3	43.3	42.3	41.7	40.4	40.1	39.7	38.8	37.1
52.5°	17.6	16.6	16.6	16.9	16.9	16.3	16.6	16.6	16.3	16.0	16.0
55°	2.9	3.3	3.3	3.3	3.3	2.9	2.9	3.3	3.6	3.3	3.3
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1323441

CATALOG NUMBER: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1323441

CATALOG NUMBER: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
2.5°	18.2	16.0	13.4	11.1	8.8	7.5	6.8	7.2
5°	30.9	23.4	15.3	9.8	6.8	5.2	4.2	3.9
7.5°	47.5	32.2	17.3	8.5	5.2	2.6	1.6	1.3
10°	72.9	42.0	18.6	7.2	3.3	0.7	0.0	0.0
12.5°	187.3	51.5	18.9	5.9	1.3	0.0	0.0	0.0
15°	384.9	78.5	18.2	4.2	0.3	0.0	0.0	0.0
17.5°	639.9	120.2	16.0	2.9	0.0	0.0	0.0	0.0
20°	887.7	148.8	12.7	1.3	0.0	0.0	0.0	0.0
21°	962.3	157.3	11.4	1.0	0.0	0.0	0.0	0.0
22°	1023.2	163.5	10.1	0.7	0.0	0.0	0.0	0.0
23°	1074.0	166.7	8.8	0.3	0.0	0.0	0.0	0.0
24°	1109.5	167.4	8.1	0.3	0.0	0.0	0.0	0.0
25°	1126.4	165.1	7.2	0.0	0.0	0.0	0.0	0.0
26°	1132.9	160.5	6.5	0.0	0.0	0.0	0.0	0.0
27°	1128.1	154.7	5.9	0.0	0.0	0.0	0.0	0.0
28°	1119.3	145.9	4.9	0.0	0.0	0.0	0.0	0.0
29°	1102.0	134.2	4.2	0.0	0.0	0.0	0.0	0.0
30°	1085.4	122.1	3.6	0.0	0.0	0.0	0.0	0.0
31°	1066.5	111.4	2.9	0.0	0.0	0.0	0.0	0.0
32°	1043.4	99.0	2.3	0.0	0.0	0.0	0.0	0.0
33°	1005.0	87.6	1.6	0.0	0.0	0.0	0.0	0.0
34°	951.2	76.9	1.3	0.0	0.0	0.0	0.0	0.0
35°	879.3	65.5	1.0	0.0	0.0	0.0	0.0	0.0
36°	800.5	53.4	0.7	0.0	0.0	0.0	0.0	0.0
37°	704.1	38.8	0.7	0.0	0.0	0.0	0.0	0.0
38°	603.4	24.4	0.3	0.0	0.0	0.0	0.0	0.0
39°	500.5	18.6	0.3	0.0	0.0	0.0	0.0	0.0
40°	406.4	16.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	217.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	128.3	6.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	71.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
50°	25.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3.6	0.0	0.0	0.3	0.0	0.0	0.0	0.0
57.5°	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.3	0.7	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.7	0.7	0.3	0.0	0.0	0.0
67.5°	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0
70°	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0
72.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
75°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
77.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0



TEST NUMBER: P1323441

CATALOG NUMBER: LDSQA3D02R259030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
85°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
87.5°	0.0	0.3	0.7	1.0	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)