

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: P1317681

Luminaire Tested: LDSQA3D17R559827DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317681  
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: LDSQA3D17R559827DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

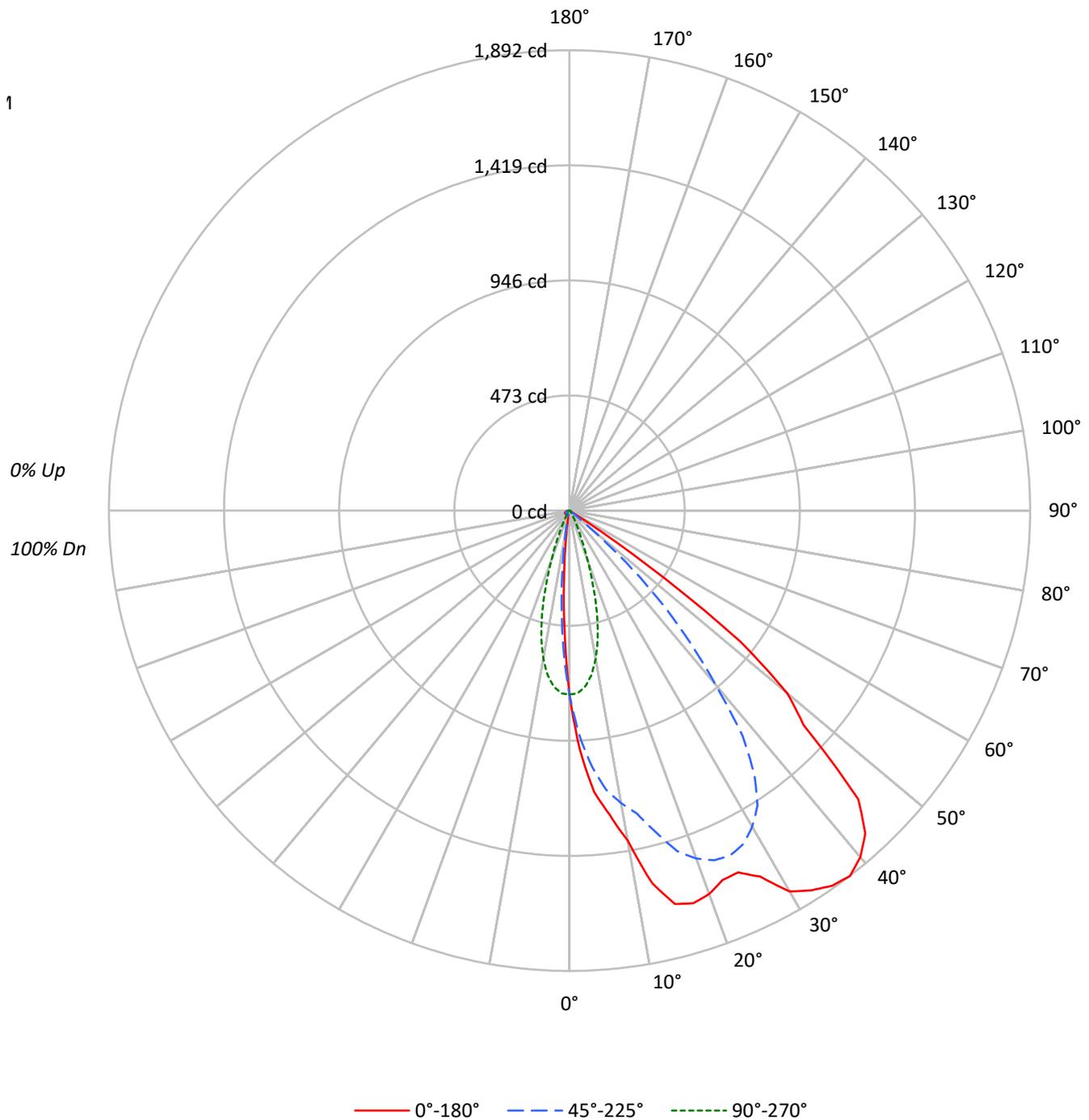
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1260.0 lumens  
Efficiency: N/A  
Efficacy: 61.8 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<sub>in</sub>): 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	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	93	93	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	83	83	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	75	75	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	61	61	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	55	55	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	50	50	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	45	45	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	41	41	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	38	38	38	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	130063	130063	130063	130063	130063
5°	200576	182596	125632	64519	42390
10°	240984	213423	108145	16264	6506
15°	298382	243733	77274	4493	3512
20°	307316	278817	39917	3006	3006
25°	311758	296993	16019	2698	3116
30°	359350	298418	6960	2824	3261
35°	395555	278196	2985	2985	3679
40°	417829	209398	1731	3440	3934
45°	408669	127966	1607	3726	4798
50°	312595	27275	1768	4394	5573
55°	114700	991	1982	4924	6245
60°	1137	1137	2273	5649	7164
65°	1345	1345	2690	5787	7580
70°	1108	1662	2769	6596	8812
75°	732	1464	2928	7253	10181
80°	1091	2182	3273	7637	10811
85°	0	2174	4347	8695	10868

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 408669 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.5	5.3
10°-20°	190.4	15.1
20°-30°	292.1	23.2
30°-40°	340.3	27.0
40°-50°	272.0	21.6
50°-60°	80.5	6.4
60°-70°	8.6	0.7
70°-80°	6.8	0.5
80°-90°	2.9	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°	548.9	43.6
0°-40°	889.3	70.6
0°-60°	1241.7	98.5
0°-90°	1260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1260.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	755	755	755	755	755	
5°	1160	1056	727	373	245	116
15°	1674	1367	433	25	20	462
25°	1641	1563	84	14	16	779
35°	1881	1323	14	14	18	1172
45°	1678	525	7	15	20	1210
55°	382	3	7	16	21	405
65°	3	3	7	14	19	3
75°	1	2	4	11	15	2
85°	0	1	2	4	6	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°	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2
2.5°	985.0	985.0	981.8	982.9	980.7	968.6	966.4	951.1	938.0	923.8	911.7
5°	1160.2	1162.4	1159.1	1152.5	1143.7	1135.0	1116.4	1102.2	1083.5	1056.2	1031.0
7.5°	1259.8	1257.6	1252.1	1249.9	1244.4	1234.6	1221.5	1206.1	1184.2	1156.9	1127.3
10°	1378.0	1359.4	1353.9	1345.1	1327.6	1307.9	1284.9	1264.1	1245.5	1220.4	1188.6
12.5°	1568.4	1565.1	1543.2	1526.8	1502.7	1459.0	1419.6	1373.6	1318.9	1275.1	1233.5
15°	1673.5	1675.7	1665.8	1652.7	1637.4	1601.2	1561.8	1508.2	1443.6	1367.0	1299.2
17.5°	1692.1	1695.4	1689.9	1684.4	1680.0	1659.3	1635.2	1596.9	1537.8	1466.6	1365.9
20°	1676.8	1683.3	1684.4	1691.0	1699.7	1691.0	1671.3	1645.0	1595.8	1521.3	1425.0
22.5°	1642.8	1654.9	1663.6	1686.6	1709.6	1709.6	1697.6	1676.8	1628.6	1555.3	1456.8
25°	1640.6	1642.8	1646.1	1683.3	1719.4	1727.1	1716.2	1694.3	1641.7	1562.9	1455.7
27.5°	1695.4	1681.1	1659.3	1696.5	1739.2	1745.7	1730.4	1700.8	1638.5	1545.4	1418.5
30°	1807.0	1775.3	1729.3	1756.7	1786.2	1778.6	1747.9	1700.8	1616.6	1500.6	1348.4
32.5°	1849.7	1832.2	1815.8	1845.3	1850.8	1819.0	1764.3	1694.3	1581.5	1437.1	1233.5
35°	1881.4	1882.5	1876.0	1881.4	1855.2	1810.3	1750.1	1658.2	1515.9	1323.2	1081.4
37.5°	1892.4	1894.6	1880.3	1860.6	1821.2	1769.8	1697.6	1592.5	1406.4	1166.7	851.5
40°	1858.5	1851.9	1828.9	1801.5	1758.9	1706.3	1627.5	1471.0	1243.3	931.4	664.4
42.5°	1798.3	1787.3	1759.9	1727.1	1682.2	1615.5	1489.6	1300.3	1010.2	726.7	465.2
45°	1677.9	1670.2	1636.3	1612.2	1558.6	1472.1	1310.1	1071.5	781.5	525.4	269.2
47.5°	1303.5	1304.6	1330.9	1342.9	1324.3	1255.4	1064.9	814.3	570.2	313.0	90.8
50°	1166.7	1161.3	1135.0	1098.9	1038.7	935.8	781.5	575.7	337.1	101.8	13.1
52.5°	885.4	885.4	872.3	853.7	790.2	690.6	528.6	318.5	118.2	17.5	3.3
55°	382.0	362.3	373.2	394.0	377.6	328.3	247.4	95.2	20.8	3.3	3.3
57.5°	5.5	13.1	19.7	31.7	42.7	51.4	27.4	9.9	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	2.2	2.2	2.2	3.3	2.2	3.3	3.3	3.3	3.3	3.3	3.3
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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°	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2
2.5°	894.2	875.6	844.9	751.9	655.6	566.9	503.5	479.4
5°	1002.6	968.6	917.2	726.7	535.2	373.2	281.3	245.2
7.5°	1087.9	1044.1	969.7	683.0	392.9	199.2	119.3	94.1
10°	1144.8	1096.7	999.3	618.4	260.5	93.0	44.9	37.2
12.5°	1186.4	1126.2	1010.2	535.2	153.2	42.7	24.1	21.9
15°	1217.1	1139.4	997.1	433.4	84.3	25.2	19.7	19.7
17.5°	1259.8	1145.9	965.3	319.6	48.2	18.6	18.6	18.6
20°	1292.6	1145.9	905.1	217.8	29.6	16.4	16.4	16.4
22.5°	1309.0	1128.4	831.8	137.9	20.8	15.3	16.4	16.4
25°	1292.6	1085.7	737.7	84.3	16.4	14.2	15.3	16.4
27.5°	1232.4	1000.4	611.8	53.6	13.1	14.2	15.3	16.4
30°	1131.7	876.7	469.5	35.0	12.0	14.2	15.3	16.4
32.5°	989.4	692.8	304.3	23.0	10.9	14.2	15.3	16.4
35°	772.7	490.3	183.9	14.2	10.9	14.2	16.4	17.5
37.5°	579.0	327.3	99.6	8.8	10.9	14.2	16.4	17.5
40°	401.7	190.4	42.7	7.7	10.9	15.3	17.5	17.5
42.5°	233.1	75.5	10.9	6.6	10.9	15.3	17.5	18.6
45°	85.4	15.3	3.3	6.6	12.0	15.3	17.5	19.7
47.5°	12.0	3.3	3.3	6.6	12.0	15.3	18.6	19.7
50°	3.3	3.3	3.3	6.6	12.0	16.4	19.7	20.8
52.5°	3.3	3.3	3.3	6.6	12.0	16.4	19.7	20.8
55°	3.3	3.3	3.3	6.6	12.0	16.4	19.7	20.8
57.5°	3.3	3.3	3.3	6.6	12.0	16.4	19.7	20.8
60°	3.3	3.3	3.3	6.6	10.9	16.4	19.7	20.8
62.5°	3.3	3.3	3.3	6.6	10.9	15.3	18.6	19.7
65°	3.3	3.3	3.3	6.6	9.9	14.2	18.6	18.6
67.5°	3.3	3.3	3.3	5.5	9.9	14.2	17.5	18.6
70°	3.3	3.3	3.3	5.5	8.8	13.1	16.4	17.5
72.5°	3.3	3.3	3.3	4.4	7.7	12.0	15.3	16.4
75°	2.2	3.3	3.3	4.4	7.7	10.9	14.2	15.3
77.5°	2.2	3.3	3.3	3.3	6.6	8.8	12.0	13.1
80°	2.2	2.2	3.3	3.3	5.5	7.7	9.9	10.9
82.5°	2.2	2.2	2.2	3.3	4.4	5.5	7.7	7.7
85°	2.2	2.2	2.2	2.2	3.3	4.4	5.5	5.5
87.5°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)