

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: P1310424

Luminaire Tested: LDSQA3D13R559035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R559035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

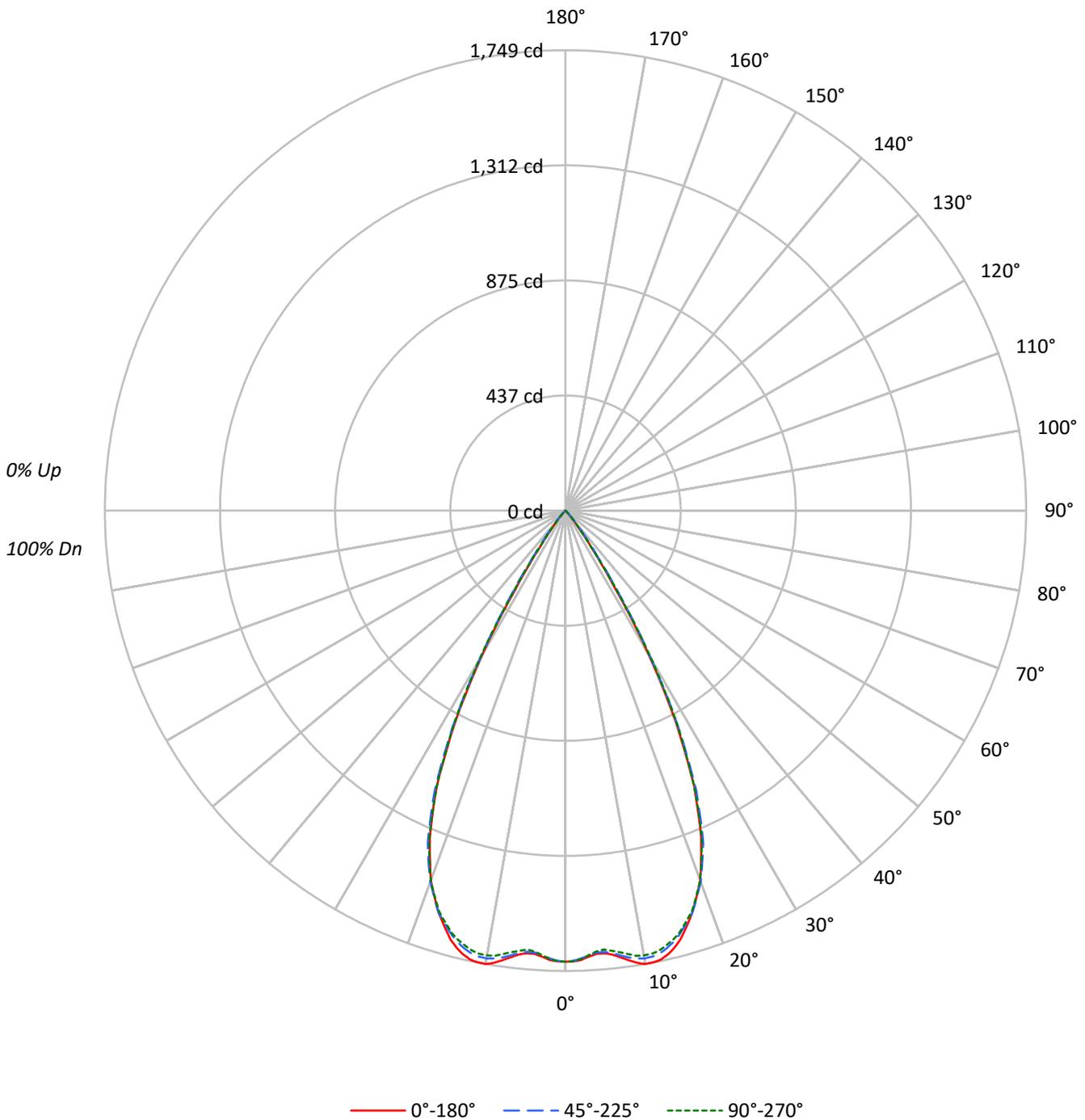
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1303.0 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1310424
CATALOG NUMBER: LDSQA3D13R559035DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1310424

CATALOG NUMBER: LDSQA3D13R559035DE010 3LSQCDR1MMS

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 | 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 | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 91 | 91 | 91 | 89 |
| 3 | 104 | 99 | 94 | 91 | 103 | 97 | 93 | 90 | 95 | 91 | 89 | 92 | 90 | 87 | 90 | 88 | 86 | 86 | 86 | 86 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 81 | 81 | 81 | 81 | 80 |
| 5 | 96 | 88 | 83 | 79 | 94 | 87 | 82 | 79 | 85 | 81 | 78 | 84 | 80 | 77 | 82 | 79 | 77 | 77 | 77 | 77 | 75 |
| 6 | 91 | 83 | 78 | 74 | 90 | 83 | 78 | 74 | 81 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 73 | 73 | 73 | 73 | 71 |
| 7 | 87 | 79 | 74 | 70 | 86 | 79 | 73 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 75 | 72 | 69 | 69 | 69 | 69 | 67 |
| 8 | 84 | 75 | 70 | 66 | 83 | 75 | 70 | 66 | 74 | 69 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 65 | 65 | 65 | 64 |
| 9 | 80 | 72 | 66 | 63 | 79 | 71 | 66 | 63 | 70 | 66 | 62 | 69 | 65 | 62 | 69 | 65 | 62 | 62 | 62 | 62 | 61 |
| 10 | 77 | 68 | 63 | 59 | 76 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 66 | 62 | 59 | 59 | 59 | 59 | 58 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 295172 | 295172 | 295172 |
| 5° | 291805 | 290941 | 289385 |
| 10° | 305847 | 302174 | 300076 |
| 15° | 300771 | 297562 | 296492 |
| 20° | 273960 | 275060 | 274144 |
| 25° | 219785 | 223205 | 219785 |
| 30° | 126140 | 129322 | 130317 |
| 35° | 35973 | 43331 | 37024 |
| 40° | 9218 | 13264 | 9442 |
| 45° | 974 | 4628 | 731 |
| 50° | 0 | 804 | 0 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4628 cd/sqm



TEST NUMBER: P1310424

CATALOG NUMBER: LDSQA3D13R559035DE010 3LSQCDR1MMS

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 162.7 | 12.5 |
| 10°-20° | 464.4 | 35.6 |
| 20°-30° | 511.4 | 39.3 |
| 30°-40° | 152.7 | 11.7 |
| 40°-50° | 11.7 | 0.9 |
| 50°-60° | 0.1 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 1138.5 | 87.4 |
| 0°-40° | 1291.2 | 99.1 |
| 0°-60° | 1303.0 | 100.0 |
| 0°-90° | 1303.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1303.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1714 | 1714 | 1714 | 1714 | 1714 | |
| 5° | 1688 | 1685 | 1683 | 1676 | 1674 | 164 |
| 15° | 1687 | 1675 | 1669 | 1662 | 1663 | 468 |
| 25° | 1157 | 1157 | 1175 | 1173 | 1157 | 506 |
| 35° | 171 | 182 | 206 | 188 | 176 | 141 |
| 45° | 4 | 10 | 19 | 10 | 3 | 8 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1310424
 CATALOG NUMBER: LDSQA3D13R559035DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1713.9 | 1713.9 | 1713.9 | 1713.9 | 1713.9 |
| 1° | 1712.9 | 1712.9 | 1710.9 | 1709.9 | 1712.9 |
| 2° | 1707.9 | 1707.9 | 1702.9 | 1701.9 | 1704.9 |
| 3° | 1696.9 | 1695.9 | 1691.9 | 1688.9 | 1690.9 |
| 4° | 1687.9 | 1685.9 | 1682.9 | 1677.9 | 1678.9 |
| 5° | 1687.9 | 1684.9 | 1682.9 | 1675.9 | 1673.9 |
| 6° | 1695.9 | 1693.9 | 1689.9 | 1682.9 | 1680.9 |
| 7° | 1709.9 | 1705.9 | 1701.9 | 1692.9 | 1690.9 |
| 8° | 1724.9 | 1721.9 | 1713.9 | 1704.9 | 1700.9 |
| 9° | 1739.9 | 1732.9 | 1722.9 | 1713.9 | 1712.9 |
| 10° | 1748.9 | 1738.9 | 1727.9 | 1716.9 | 1715.9 |
| 11° | 1747.9 | 1738.9 | 1725.9 | 1715.9 | 1714.9 |
| 12° | 1743.9 | 1730.9 | 1719.9 | 1707.9 | 1708.9 |
| 13° | 1729.9 | 1717.9 | 1706.9 | 1697.9 | 1695.9 |
| 14° | 1710.9 | 1699.9 | 1689.9 | 1680.9 | 1681.9 |
| 15° | 1686.9 | 1674.9 | 1668.9 | 1661.9 | 1662.9 |
| 17.5° | 1601.8 | 1598.8 | 1601.8 | 1593.8 | 1596.8 |
| 20° | 1494.8 | 1491.8 | 1500.8 | 1496.8 | 1495.8 |
| 22.5° | 1345.7 | 1349.7 | 1366.7 | 1361.7 | 1352.7 |
| 25° | 1156.6 | 1156.6 | 1174.6 | 1172.6 | 1156.6 |
| 27.5° | 910.5 | 917.5 | 928.5 | 933.5 | 921.5 |
| 30° | 634.3 | 650.3 | 650.3 | 660.3 | 655.3 |
| 32.5° | 354.2 | 388.2 | 396.2 | 401.2 | 381.2 |
| 35° | 171.1 | 182.1 | 206.1 | 188.1 | 176.1 |
| 37.5° | 82.0 | 87.0 | 111.1 | 90.0 | 84.0 |
| 40° | 41.0 | 47.0 | 59.0 | 49.0 | 42.0 |
| 42.5° | 17.0 | 25.0 | 31.0 | 25.0 | 17.0 |
| 45° | 4.0 | 10.0 | 19.0 | 10.0 | 3.0 |
| 47.5° | 0.0 | 1.0 | 9.0 | 2.0 | 0.0 |
| 50° | 0.0 | 0.0 | 3.0 | 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° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1310424
CATALOG NUMBER: LDSQA3D13R559035DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)