

M² Test Protocol

General Information: test has been performed in accordance with ISO 11146.

Date (MM-DD-YYYY)05-08-2026 Time: 12:06:05

Information Concerning Testing and Evaluation:

Thorlabs Beam, Version 9.1.5787.560
Measurement MethodClip Level at 1/e²
Serial Number: M00280451
Wavelength: 1064 nm
Min. Data Points: 10

Model: BP209-VIS
Profiler Azimuth Angle:
Scan Range: 0.00 - 200.00 mm

After Lens Results:

| Parameter: | Result: | Unit: |
|--------------------------|---------|-------|
| M² Value X' | 1.20 | |
| M² Value Y' | 1.20 | |
| Rayleigh Length X' | 20.73 | mm |
| Rayleigh Length Y' | 19.87 | mm |
| Waist Diameter X' | 183.56 | µm |
| Waist Diameter Y' | 179.55 | µm |
| Waist Asymmetry | 0.98 | |
| Waist Position X' | 130.66 | µm |
| Waist Position Y' | 130.90 | µm |
| Astigmatism | 0.24 | mm |
| Relative Astigmatism | 0.01 | |
| Full Divergence Angle X' | 0.51 | ° |
| Full Divergence Angle Y' | 0.52 | ° |
| Divergence Asymmetry | 1.02 | |

Original Waist Results:

| Parameter: | Result: | Unit: |
|--------------------------|---------|-------|
| M² Value X' | 1.20 | |
| M² Value Y' | 1.20 | |
| Rayleigh Length X' | 1478.20 | mm |
| Rayleigh Length Y' | 1456.28 | mm |
| Waist Diameter X' | 1549.89 | µm |
| Waist Diameter Y' | 1537.04 | µm |
| Waist Asymmetry | 0.99 | |
| Waist Position X' | 1833.57 | µm |
| Waist Position Y' | 1894.26 | µm |
| Astigmatism | 60.69 | mm |
| Relative Astigmatism | 0.04 | |
| Full Divergence Angle X' | 0.56 | ° |
| Full Divergence Angle Y' | 0.56 | ° |
| Divergence Asymmetry | 0.01 | |

