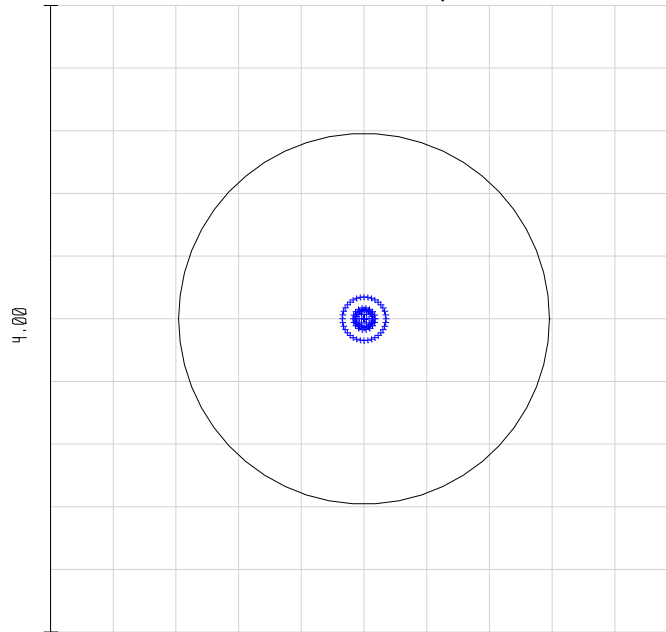


Spot Diagrams for Laser Quality Molded Glass Aspheric Lens A110

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 780 nm

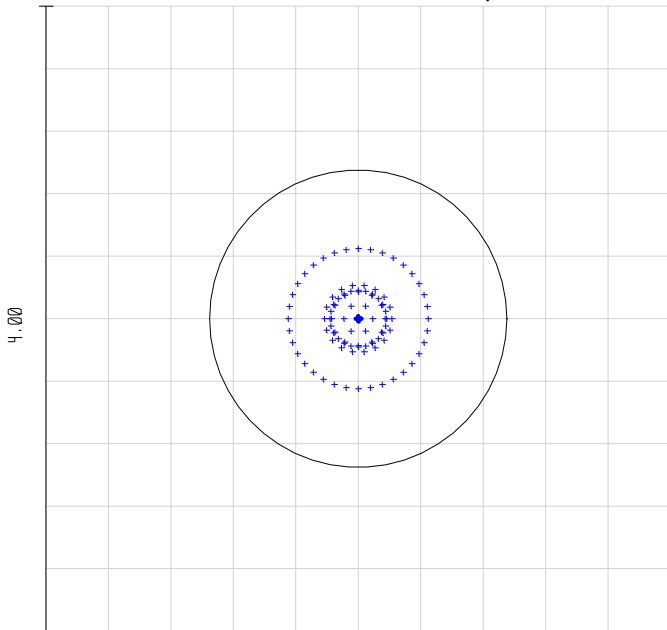
RMS Radius = 0.08 μm



Spot Diagrams for A-Coated Lens (A110-A)

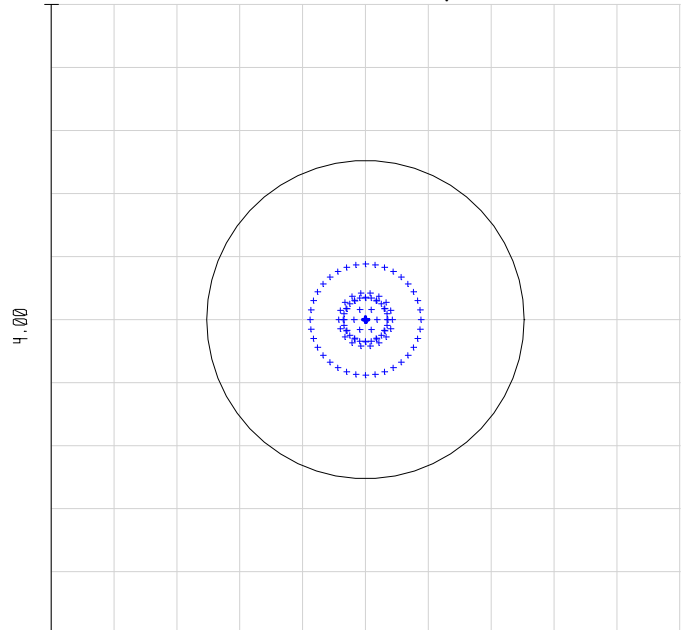
633 nm

RMS Radius = 0.27 μm



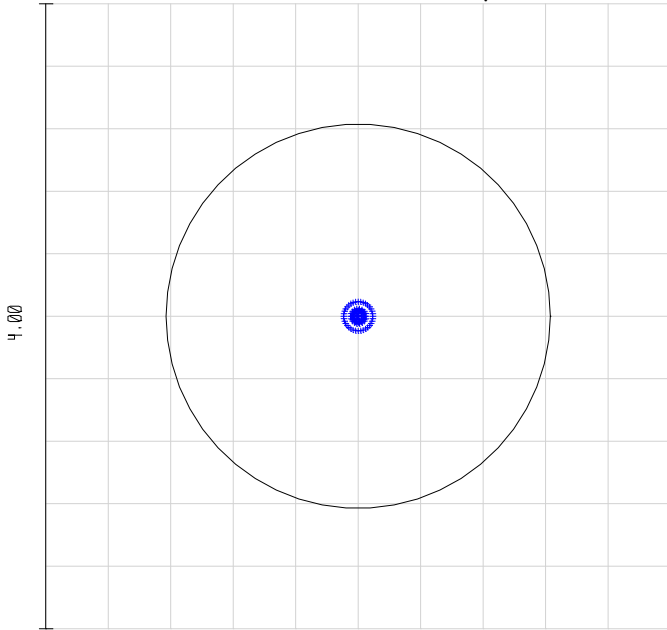
670 nm

RMS Radius = 0.21 μm

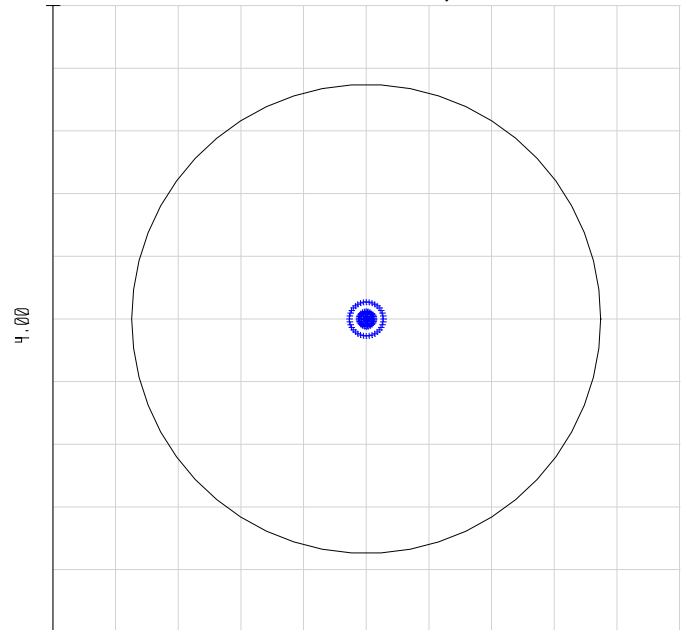


Spot Diagrams for B-Coated Lens (A110-B)

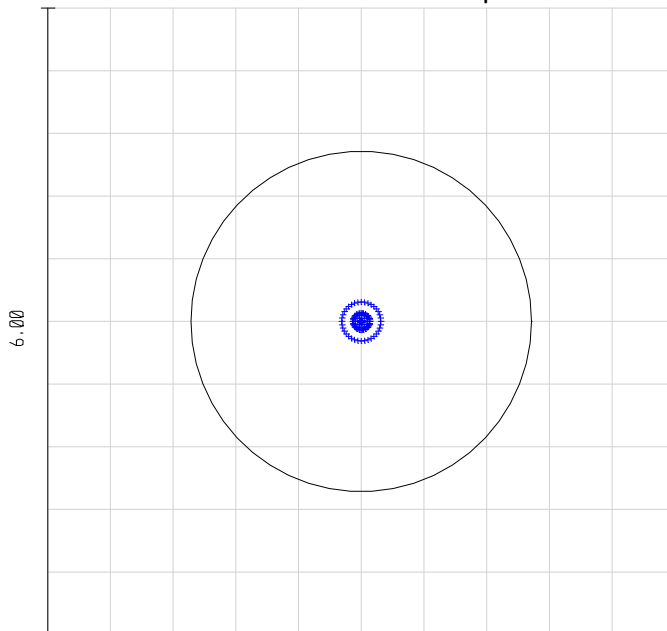
810 nm
RMS Radius = 0.06 μm



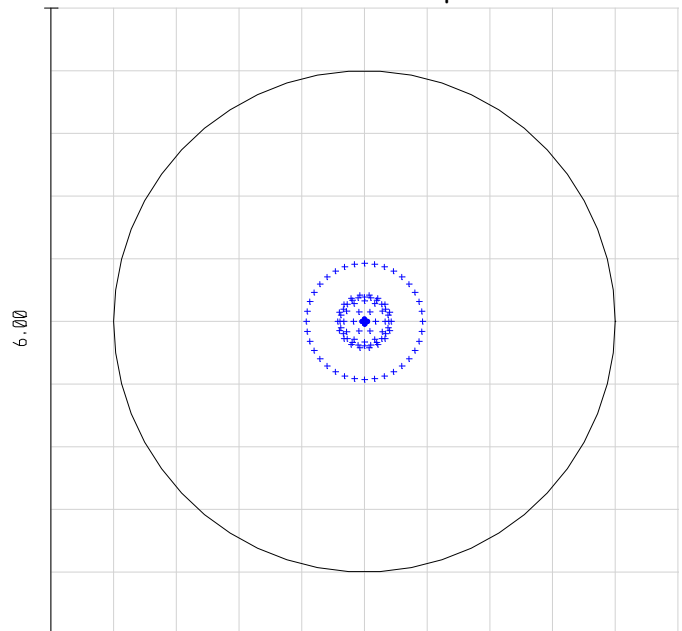
980 nm
RMS Radius = 0.07 μm

**Spot Diagrams for C-Coated Lens (A110-C)**

1064 nm
RMS Radius = 0.11 μm



1550 nm
RMS Radius = 0.33 μm



Chromatic Focal Shift

Maximum Focal Shift Range: 433.27 μm (350 – 1620 nm)

Diffraction Limited Range: 4.82 μm

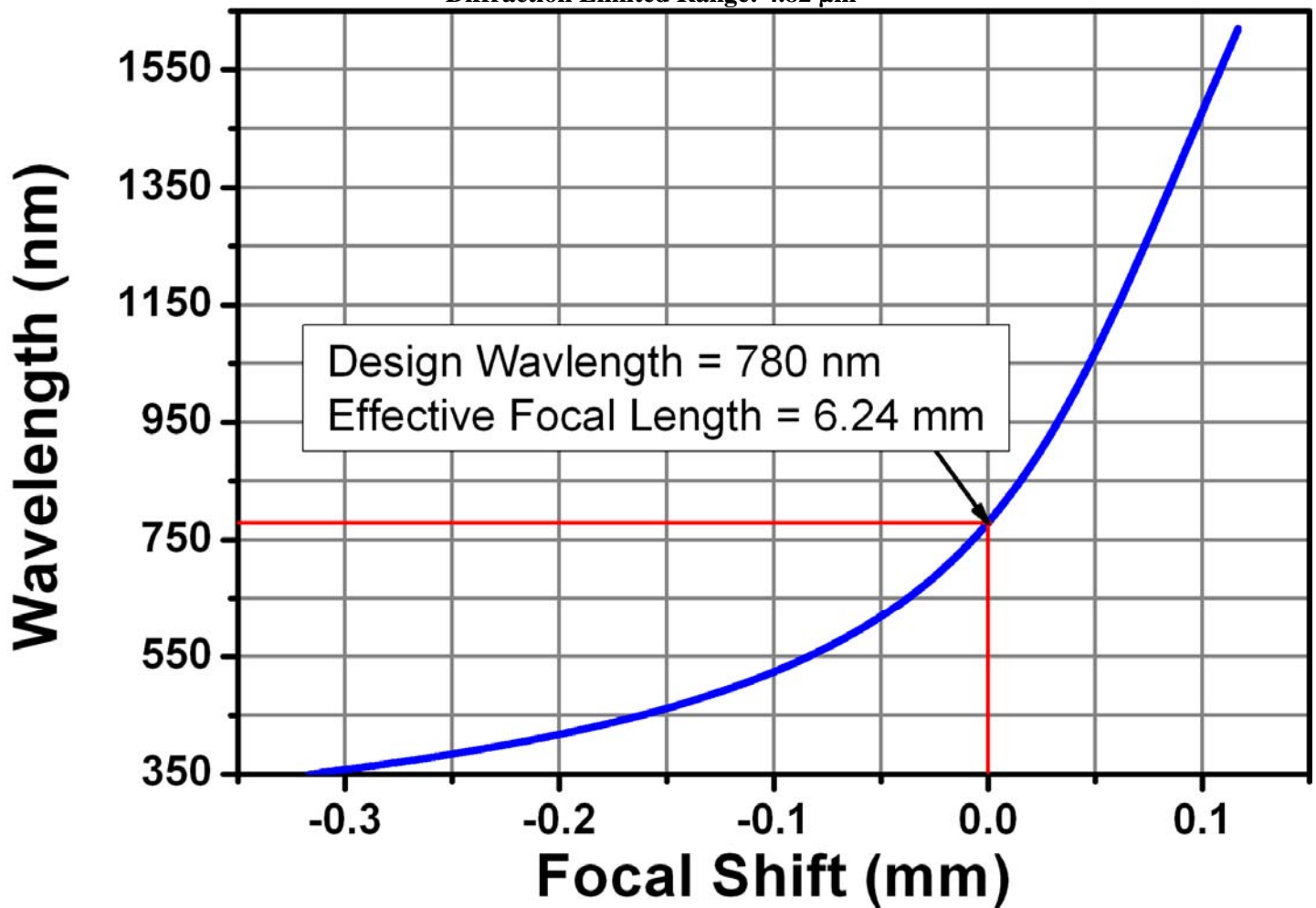


Table showing the focal length at various laser line wavelengths

Wavelength (nm)	Focal Length (mm)
405	5.968
633	6.185
670	6.202
780 ¹	6.240
810	6.248
830	6.254
980	6.286
1064	6.301
1550	6.375

¹ Design Wavelength