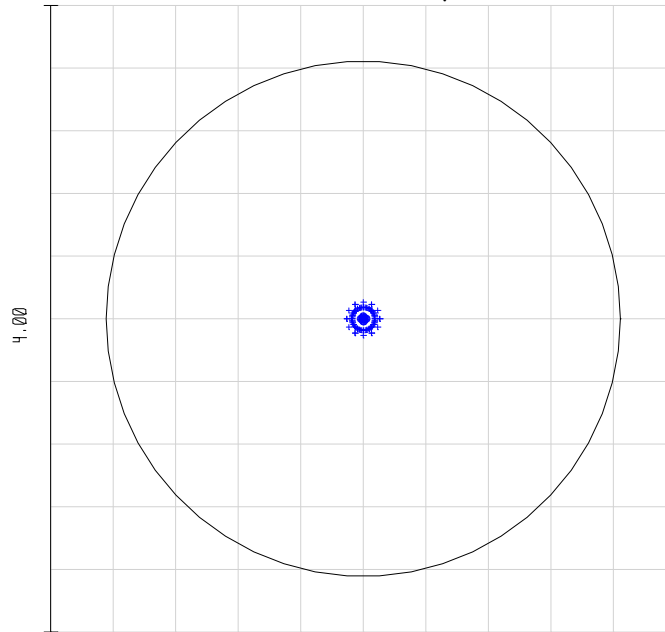


Spot Diagrams for Laser Quality Molded Glass Aspheric Lens A375

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 810 nm

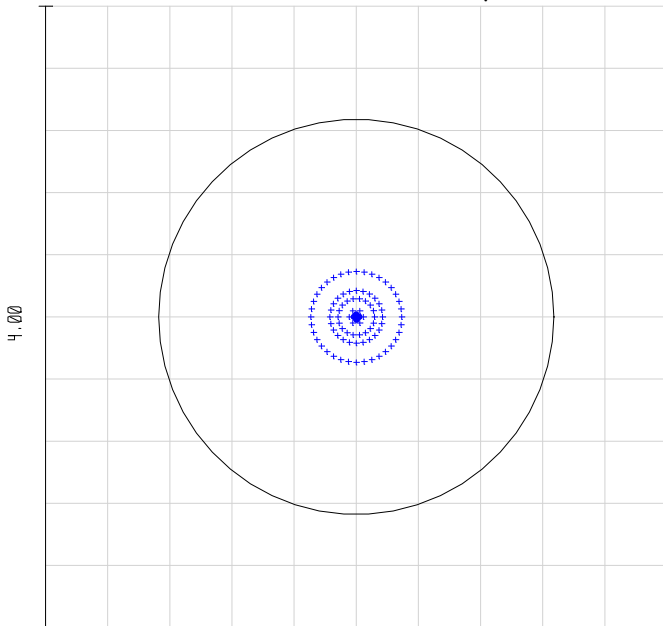
RMS Radius = 0.07 μm



Spot Diagrams for A-Coated Lens (A375-A)

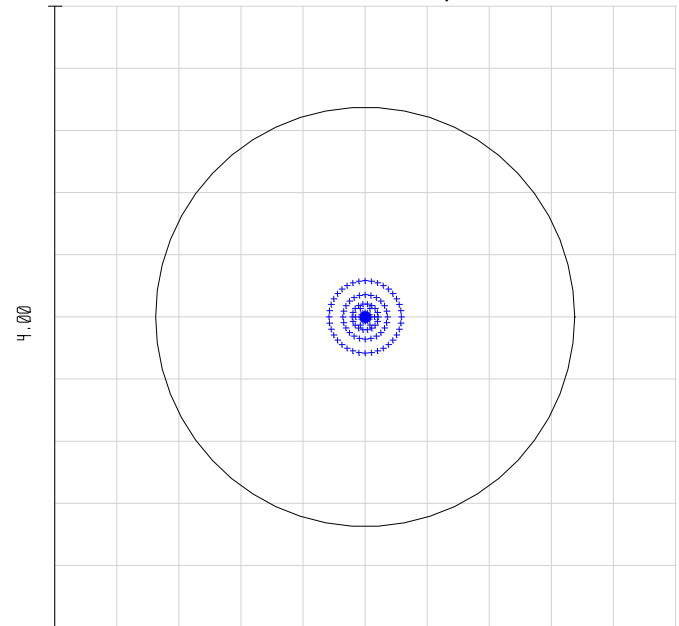
633 nm

RMS Radius = 0.18 μm



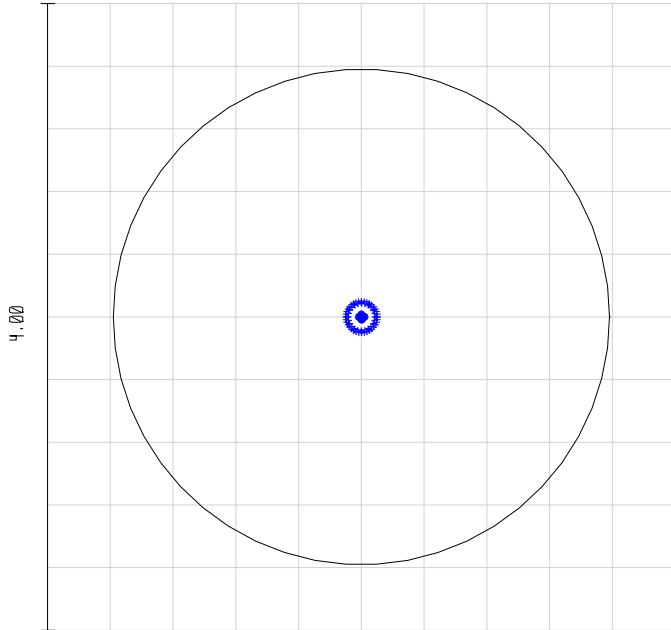
670 nm

RMS Radius = 0.14 μm

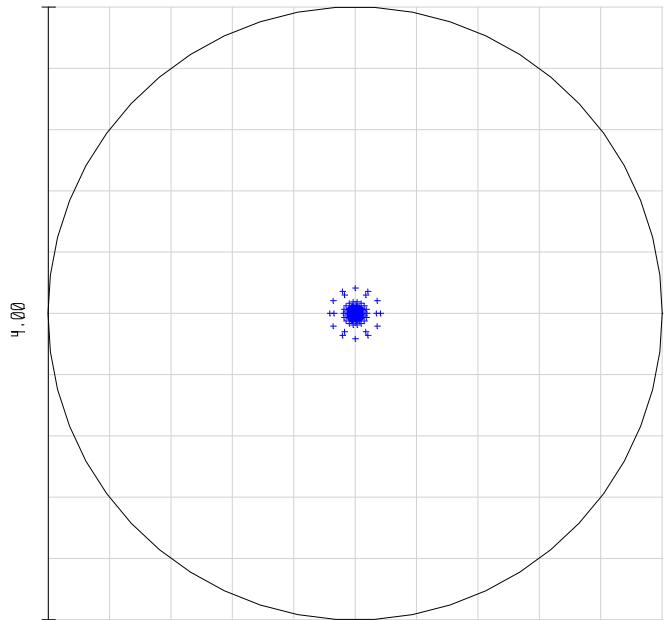


Spot Diagrams for B-Coated Lens (A375-B)

810 nm
RMS Radius = 0.08 μm

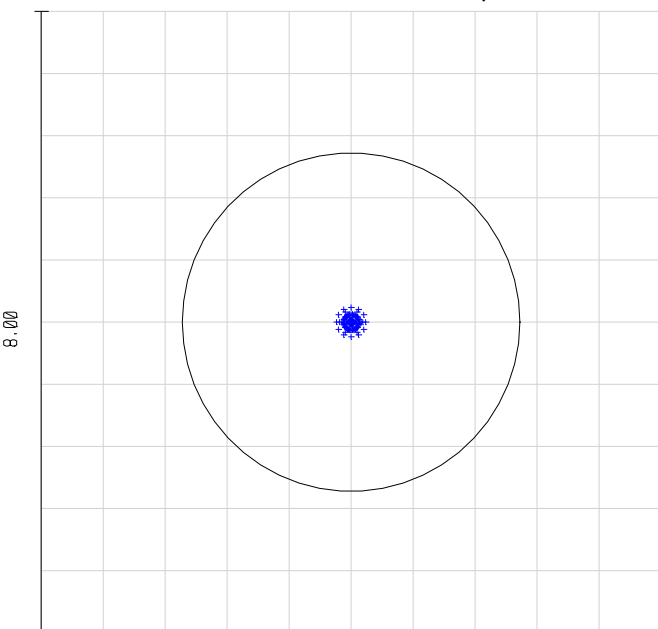


980 nm
RMS Radius = 0.07 μm

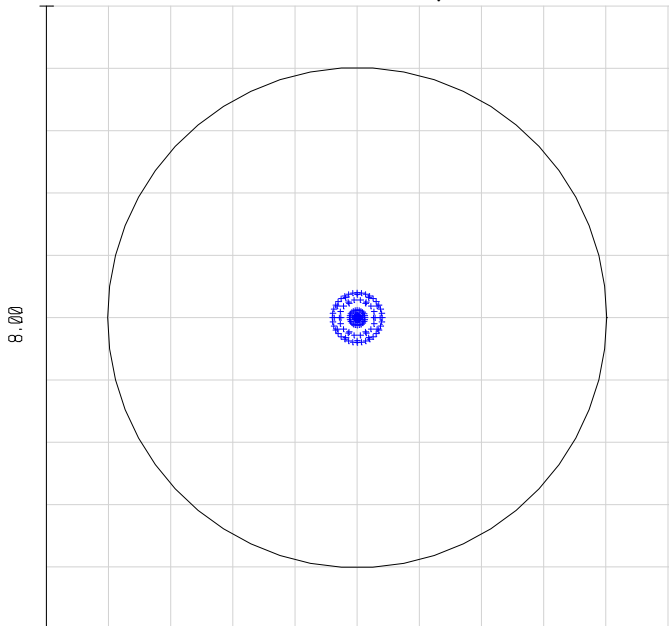


Spot Diagrams for C-Coated Lens (A375-C)

1064 nm
RMS Radius = 0.09 μm



1550 nm
RMS Radius = 0.22 μm



Chromatic Focal Shift

Maximum Focal Shift Range: 605.77 μm (350 – 1620 nm)

Diffraction Limited Range: 8.97 μm

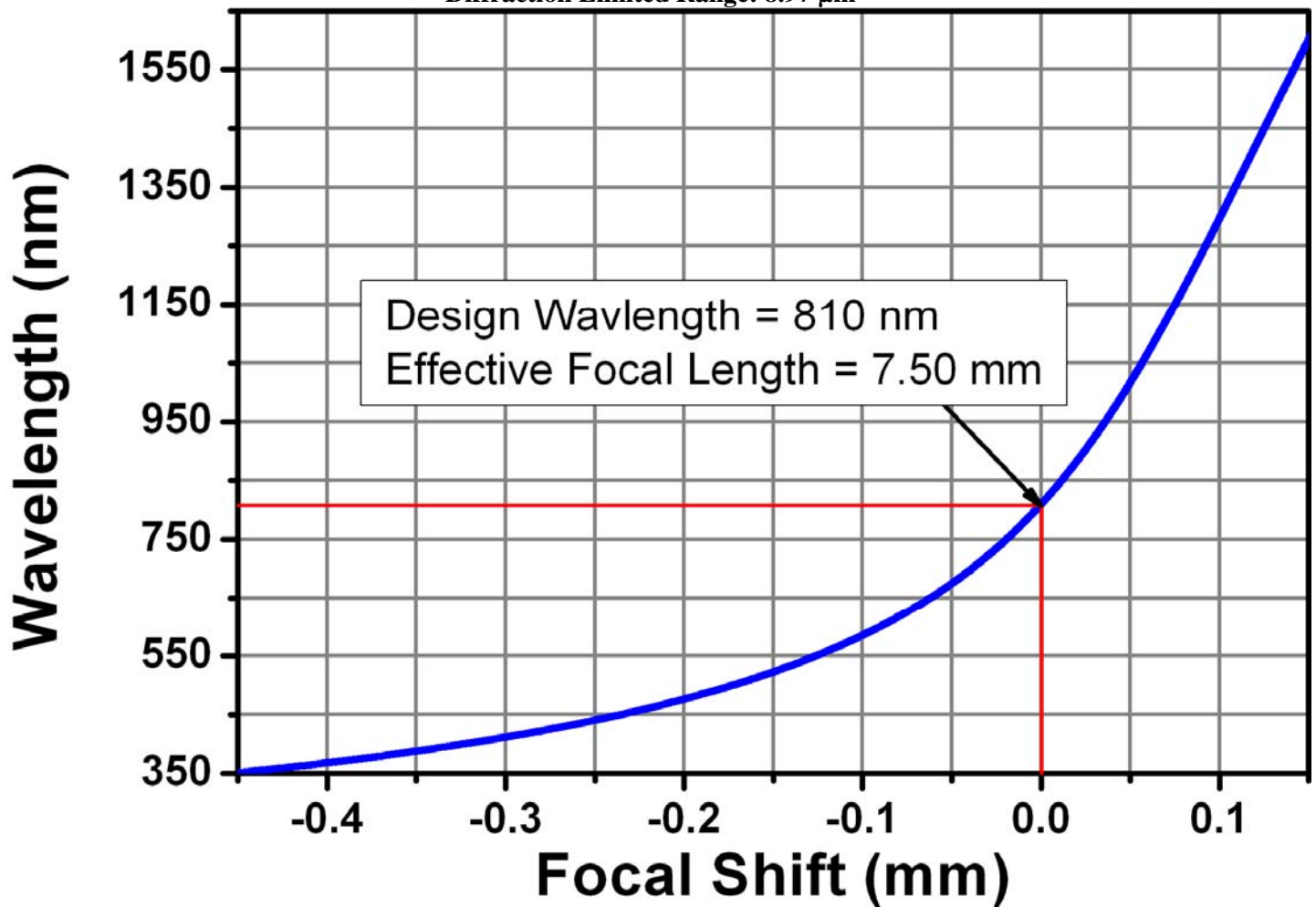


Table showing the focal length at various laser line wavelengths

Wavelength (nm)	Focal Length (mm)
405	7.231
633	7.415
670	7.436
780	7.484
810 ¹	7.494
830	7.501
980	7.541
1064	7.56
1550	7.651

¹ Design Wavelength