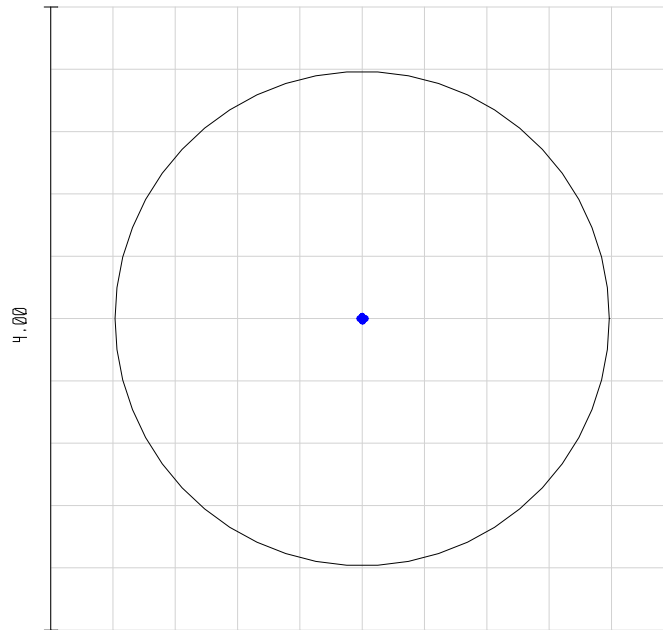


Spot Diagrams for Laser Quality Molded Glass Aspheric Lens 352170

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 780 nm

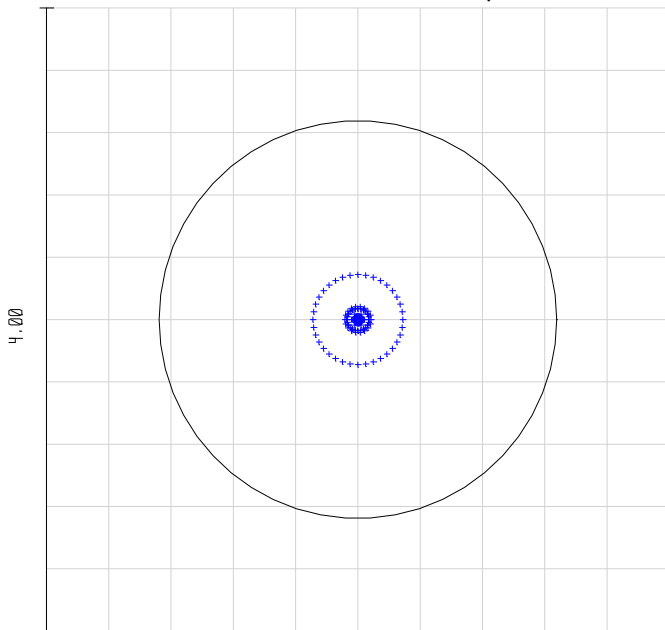
RMS Radius = 0.01 μm



Spot Diagrams for A-Coated Lens (352170-A)

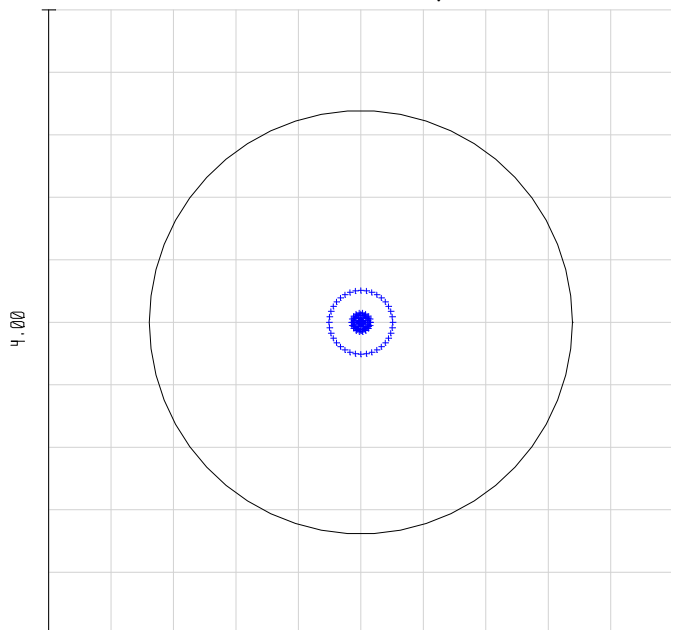
633nm

RMS Radius = 0.16 μm



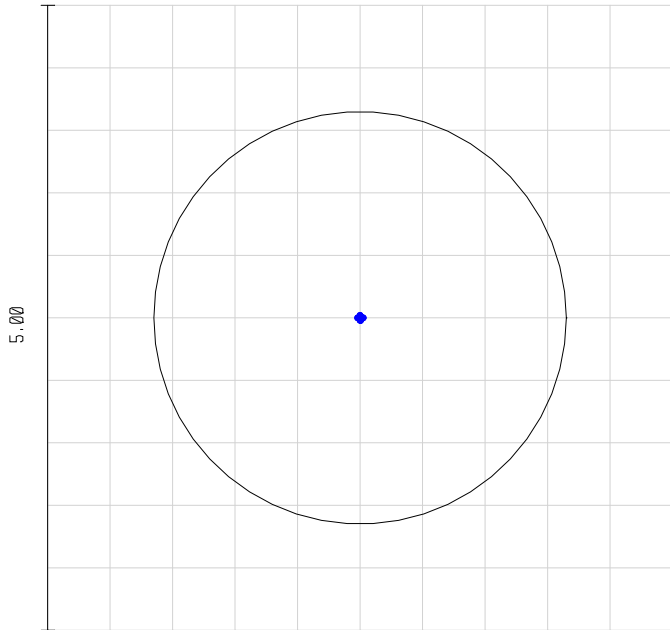
670 nm

RMS Radius = 0.11 μm

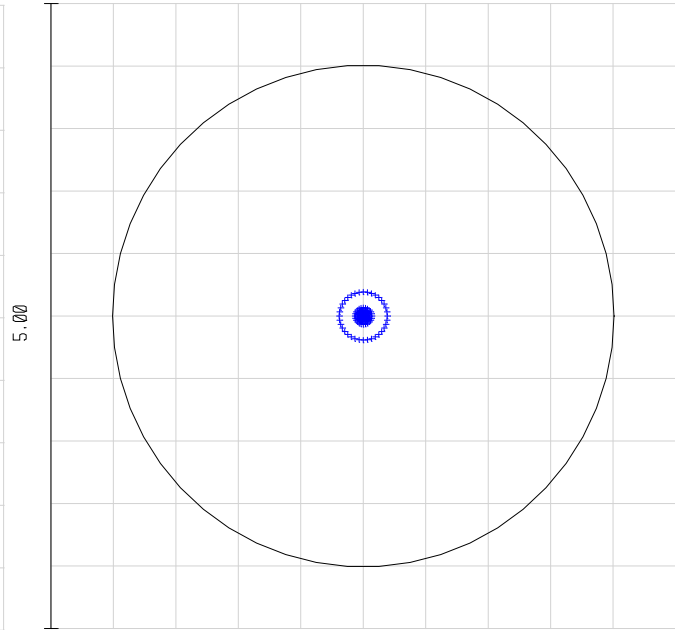


Spot Diagrams for B-Coated Lens (352170-B)

810 nm
RMS Radius = 0.02 μm

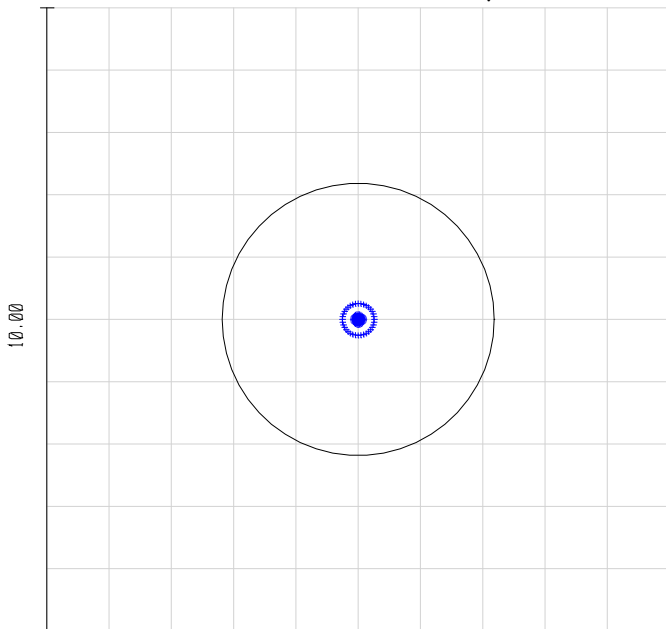


980 nm
RMS Radius = 0.11 μm

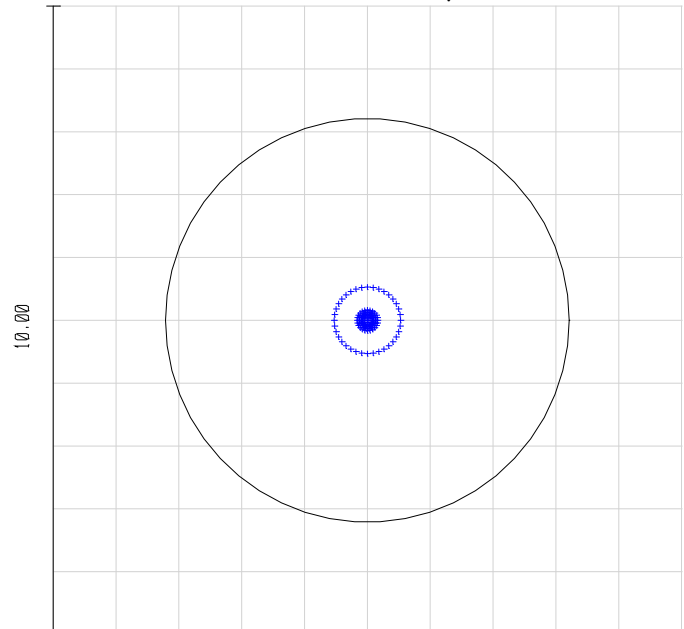


Spot Diagrams for C-Coated Lens (352170-C)

1064 nm
RMS Radius = 0.15 μm



1550 nm
RMS Radius = 0.30 μm



Chromatic Focal Shift

Maximum Focal Shift Range: 462.94 μm (350 – 1620 nm)

Diffraction Limited Range: 8.67 μm

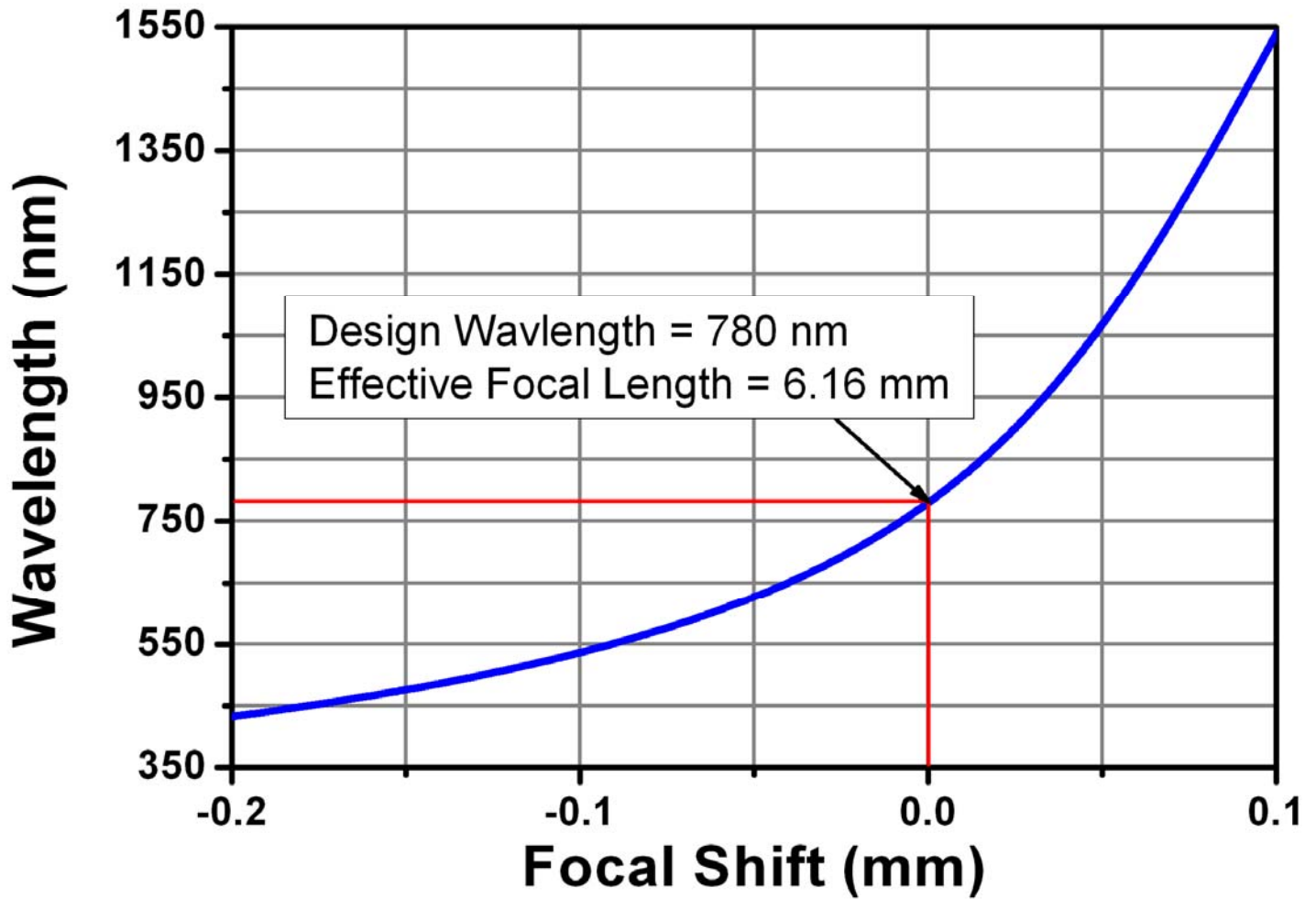


Table showing the focal length at various laser line wavelengths

Wavelength (nm)	Focal Length (mm)
405	5.897
633	6.116
670	6.133
780 ¹	6.160
810	6.178
830	6.183
980	6.213
1064	6.226
1550	6.284

¹ Design Wavelength