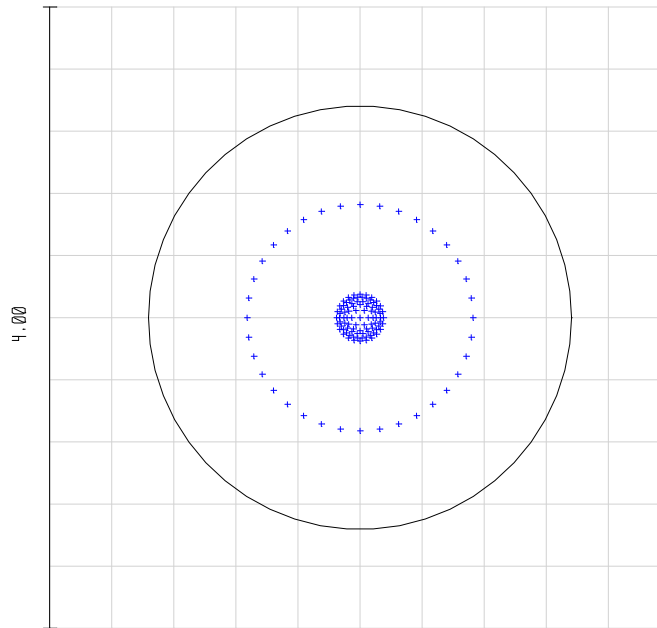


Spot Diagrams for Laser Quality Molded Glass Aspheric Lens A397

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 670 nm

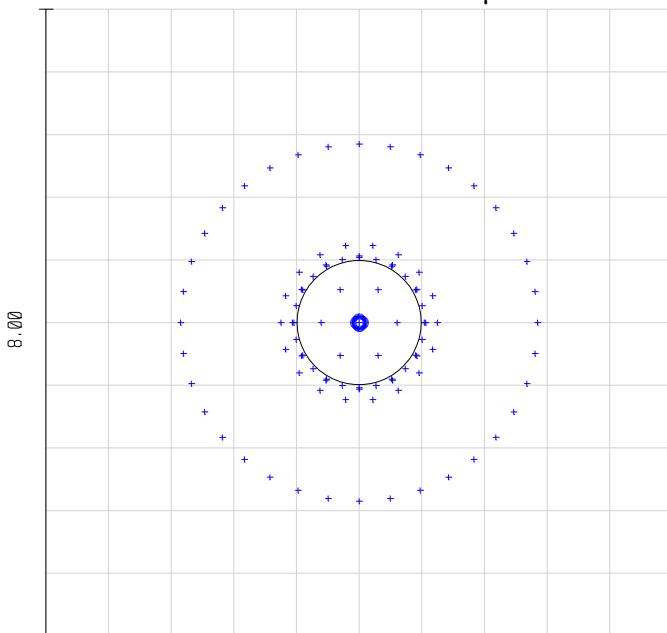
RMS Radius = 0.40 μm



Spot Diagrams for A-Coated Lens (A397-A)

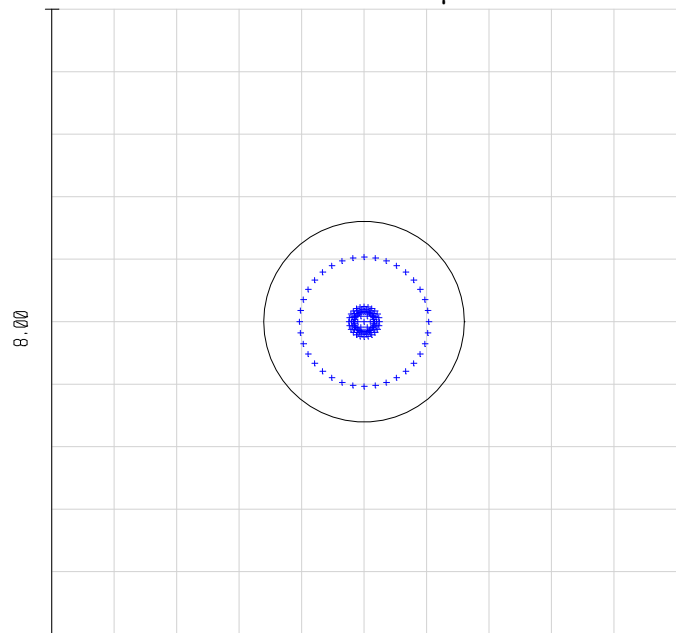
405 nm

RMS Radius = 1.35 μm



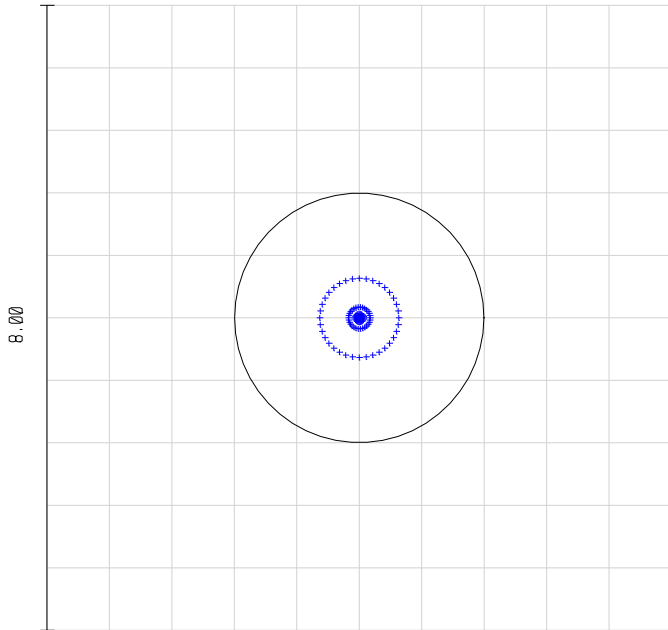
633 nm

RMS Radius = 0.46 μm

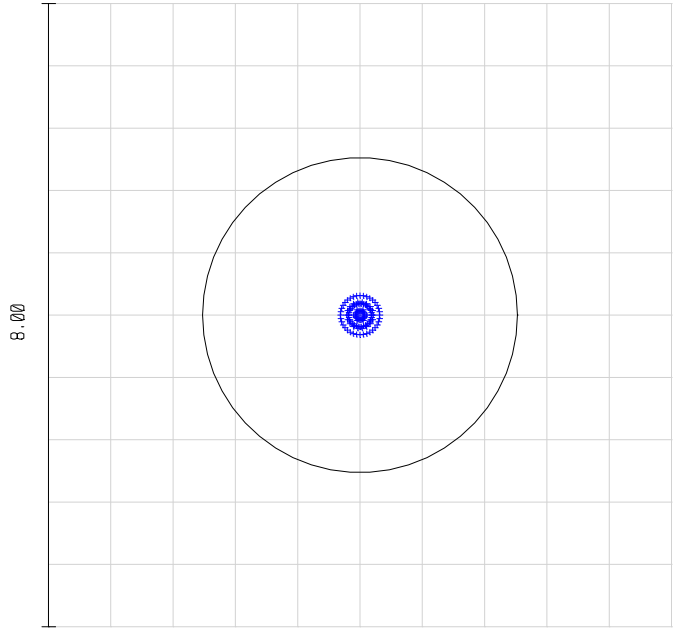


Spot Diagrams for B-Coated Lens (A397-B)

780 nm
RMS Radius = 0.28 μm

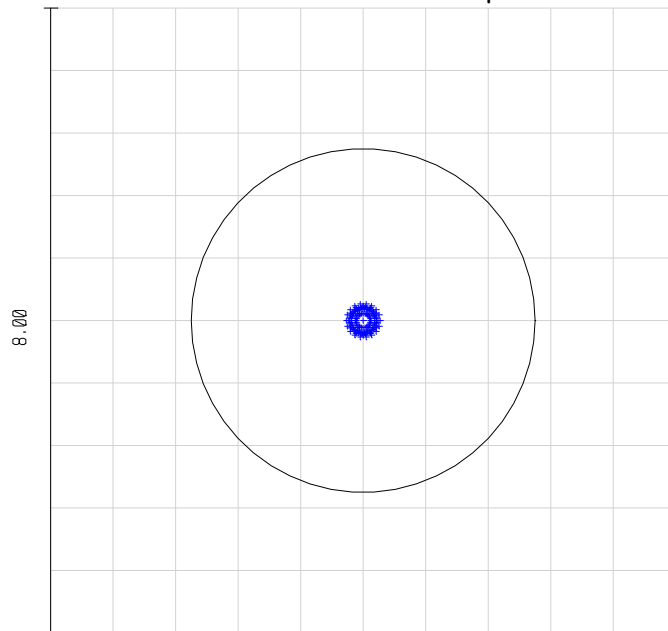


980 nm
RMS Radius = 0.17 μm

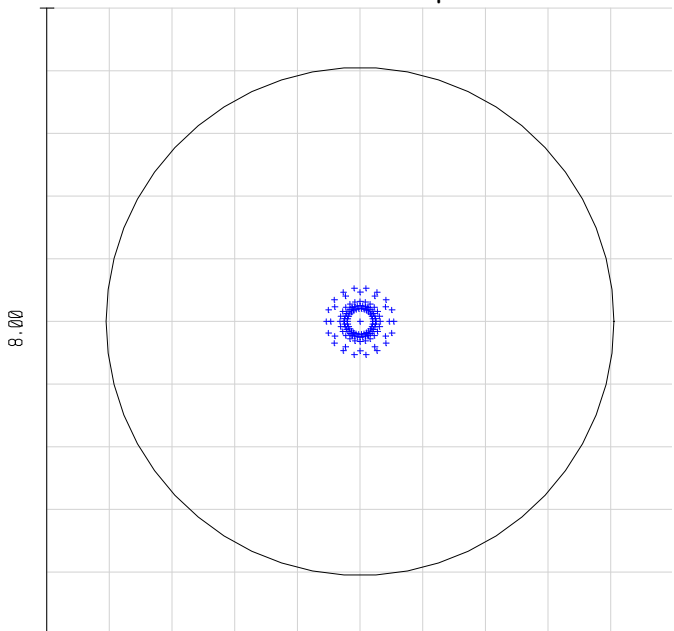


Spot Diagrams for C-Coated Lens (A397-C)

1064 nm
RMS Radius = 0.16 μm



1550 nm
RMS Radius = 0.27 μm



Chromatic Focal Shift

Maximum Focal Shift Range: 939.20 μm (350 – 1620 nm)

Diffraction Limited Range: 7.45 μm

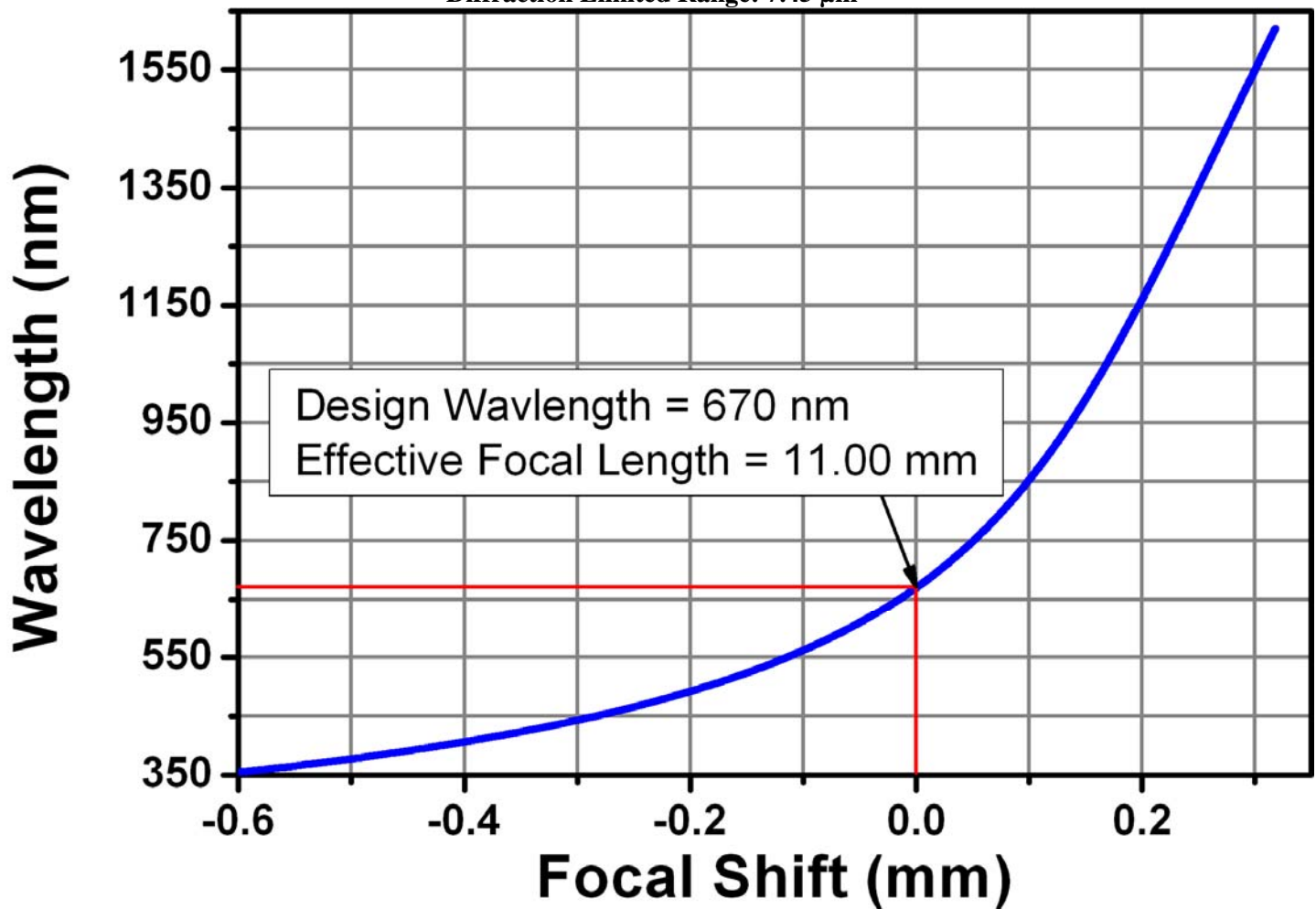


Table showing the focal length at various laser line wavelengths

Wavelength (nm)	Focal Length (mm)
405	10.563
633	10.961
670 ¹	11.000
780	11.062
810	11.078
830	11.087
980	11.147
1064	11.175
1550	11.310

¹ Design Wavelength