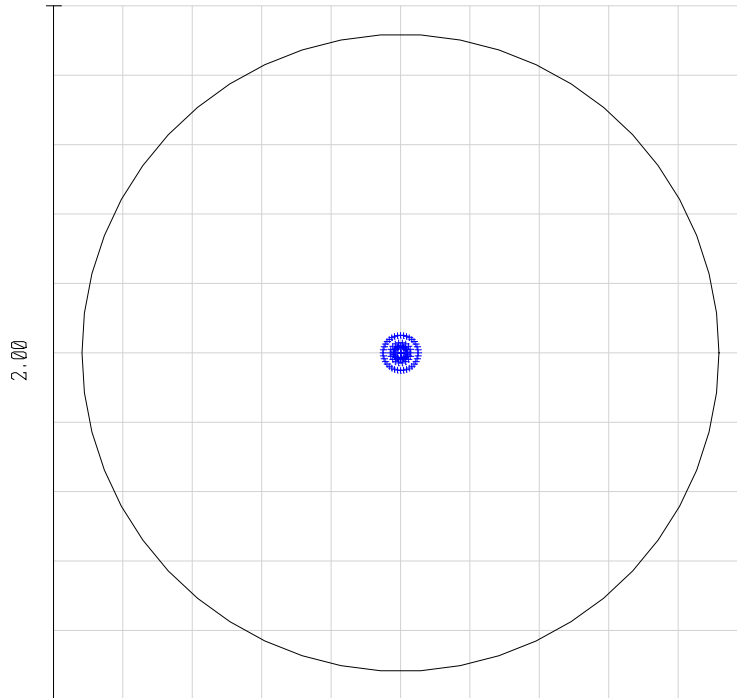


Spot Diagrams for Laser Quality Molded Glass Aspheric Lens 355390

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 830 nm

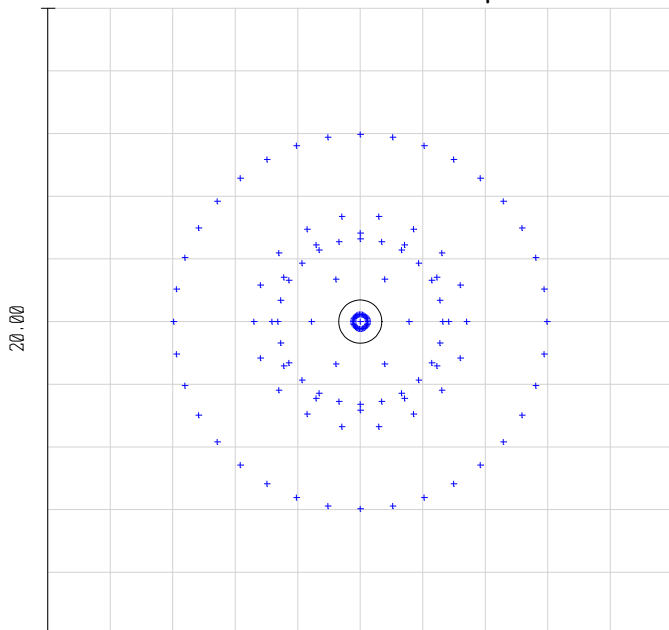
RMS Radius = 0.03 μm



Spot Diagrams for A-Coated Lens (355390-A)

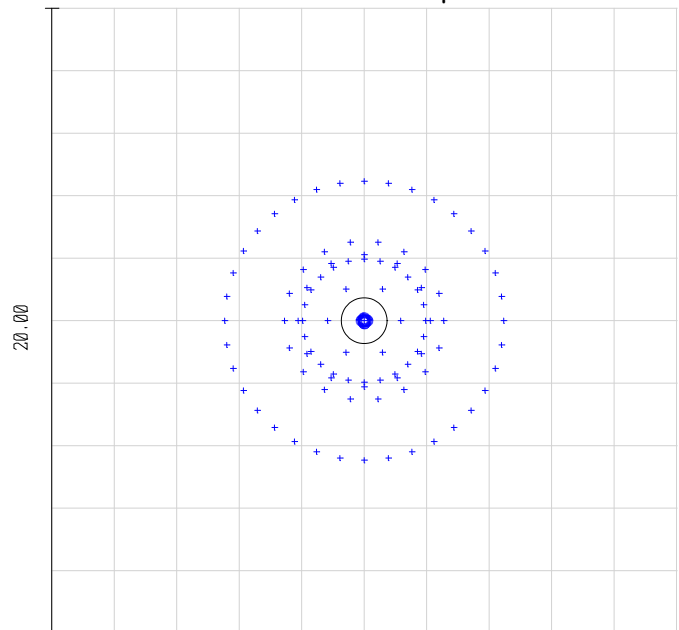
633 nm

RMS Radius = 3.74 μm



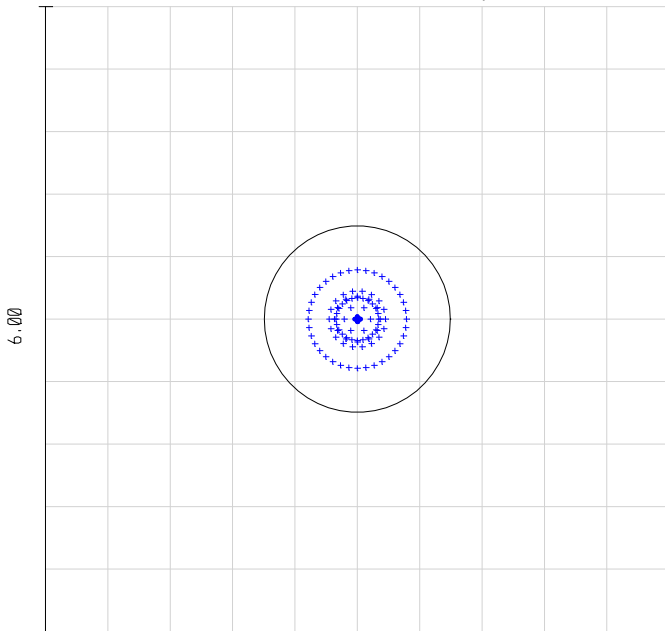
670 nm

RMS Radius = 2.79 μm

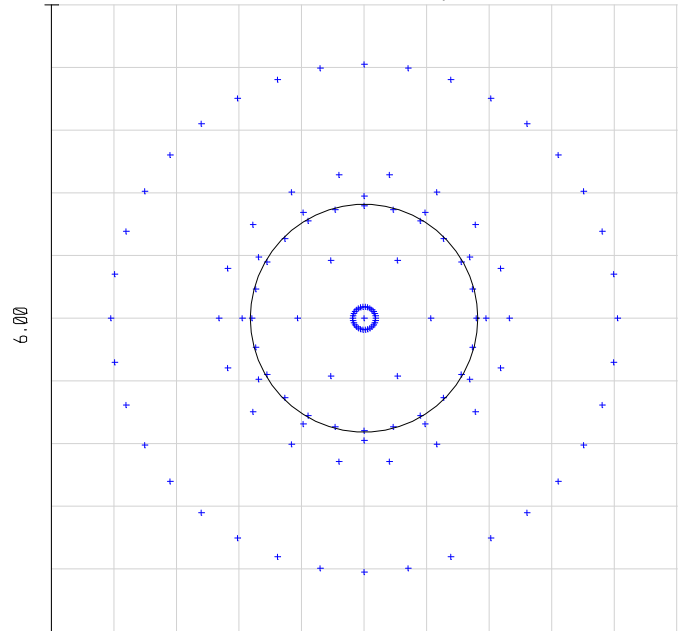


Spot Diagrams for B-Coated Lens (355390-B)

810 nm
RMS Radius = 0.30 μm

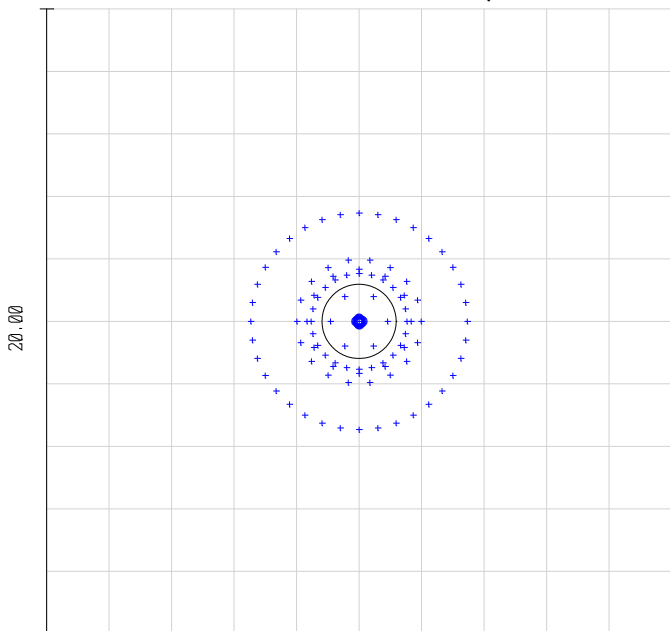


980 nm
RMS Radius = 1.52 μm

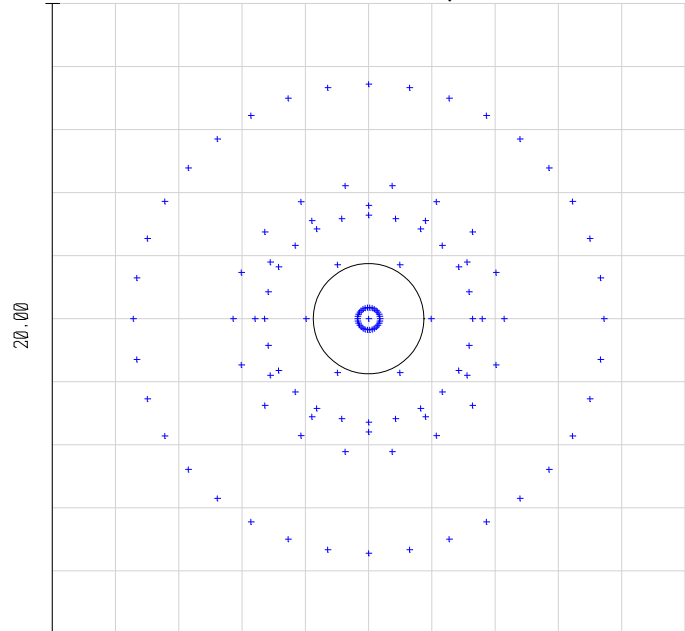


Spot Diagrams for C-Coated Lens (355390-C)

1064 nm
RMS Radius = 2.17 μm



1550 nm
RMS Radius = 4.67 μm



Chromatic Focal Shift

Maximum Focal Shift Range: 249.04 μm (350 – 1620 nm)

Diffraction Limited Range: 2.73 μm

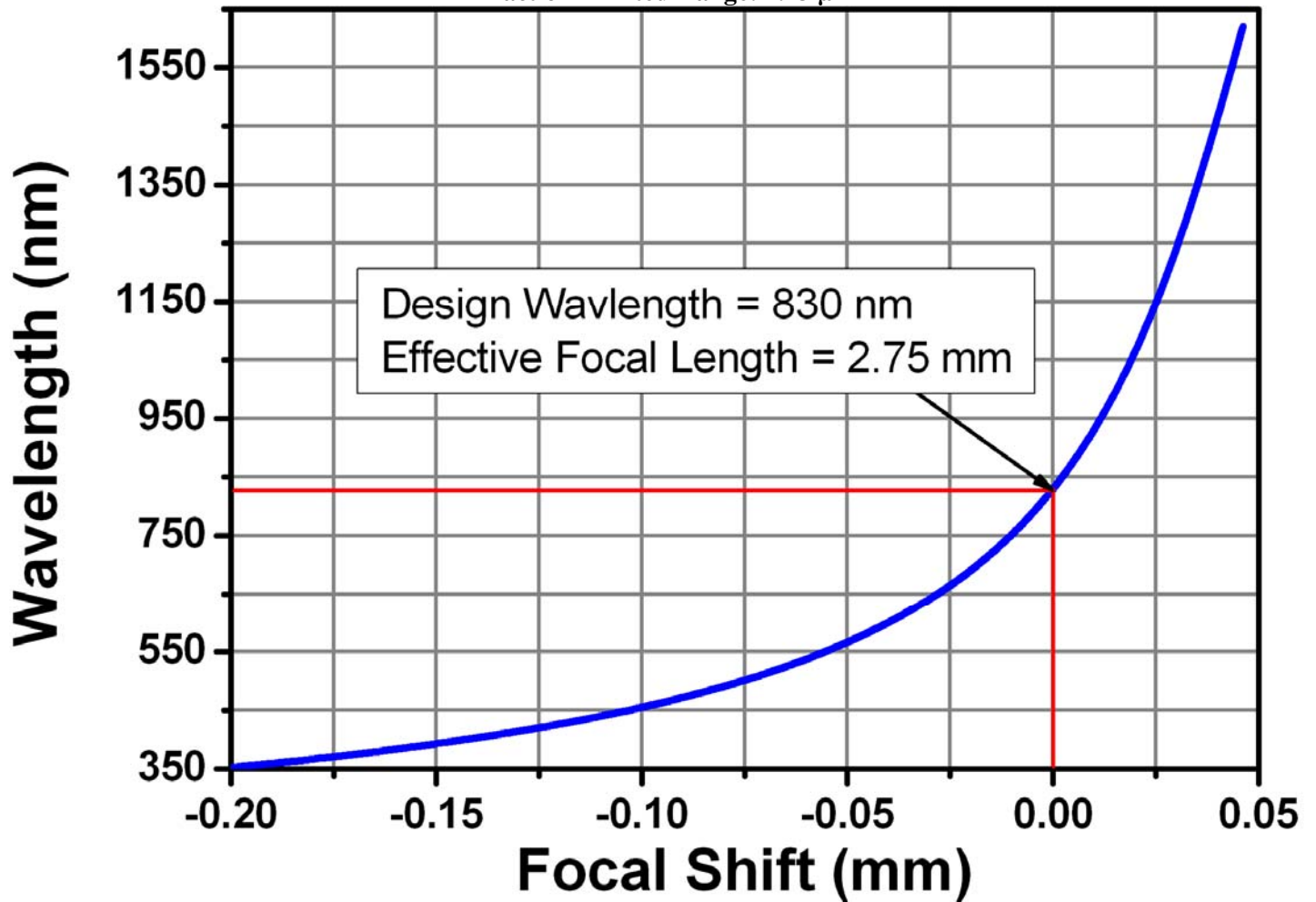


Table showing the focal length at various laser line wavelengths

Wavelength (nm)	Focal Length (mm)
405	2.598
633	2.715
670	2.724
780	2.743
810	2.747
830 ¹	2.750
980	2.765
1064	2.772
1550	2.797

¹ Design Wavelength