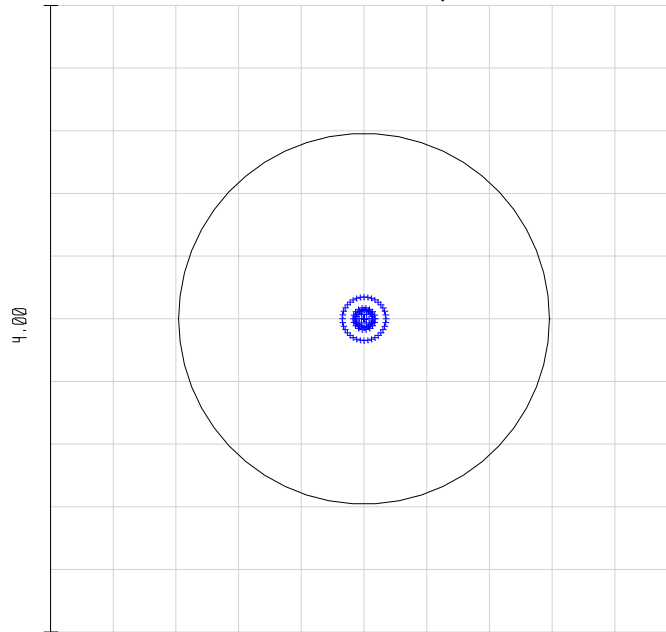


Spot Diagrams for Laser Quality Molded Glass Aspheric Lens A220

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 633 nm

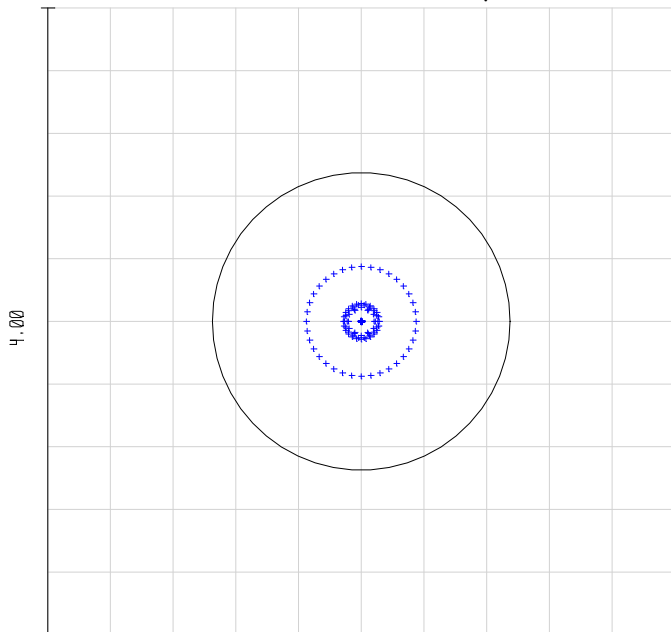
RMS Radius = 0.08 μm



Spot Diagrams for A-Coated Lens (A220-A)

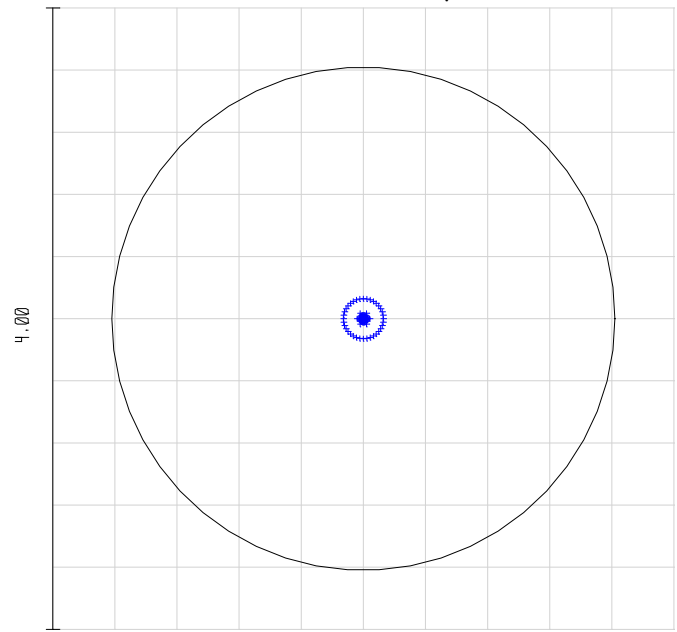
405 nm

RMS Radius = 0.20 μm



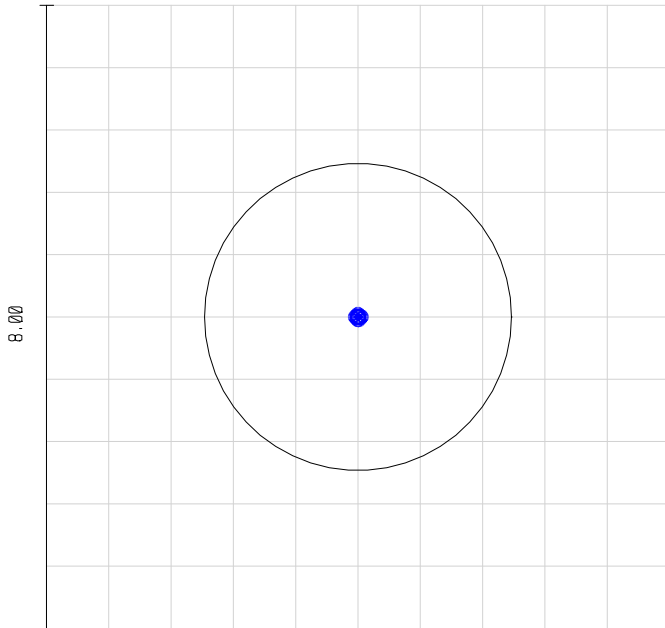
670 nm

RMS Radius = 0.07 μm

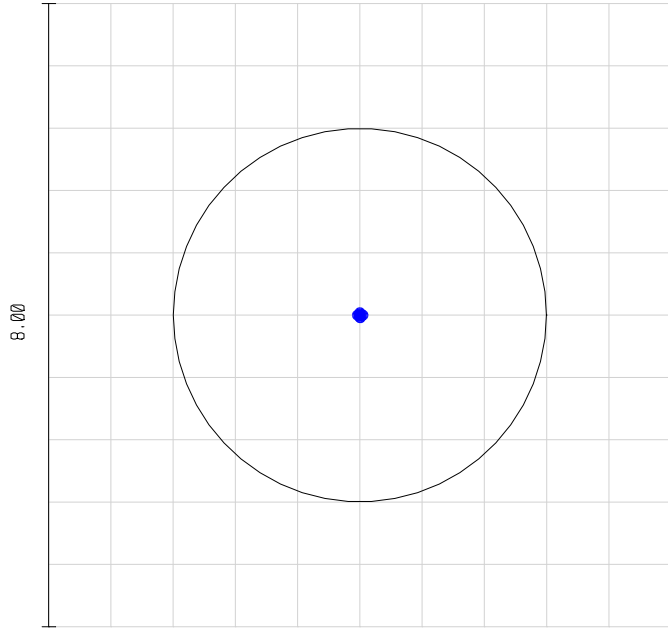


Spot Diagrams for B-Coated Lens (A220-B)

810 nm
RMS Radius = 0.05 μm

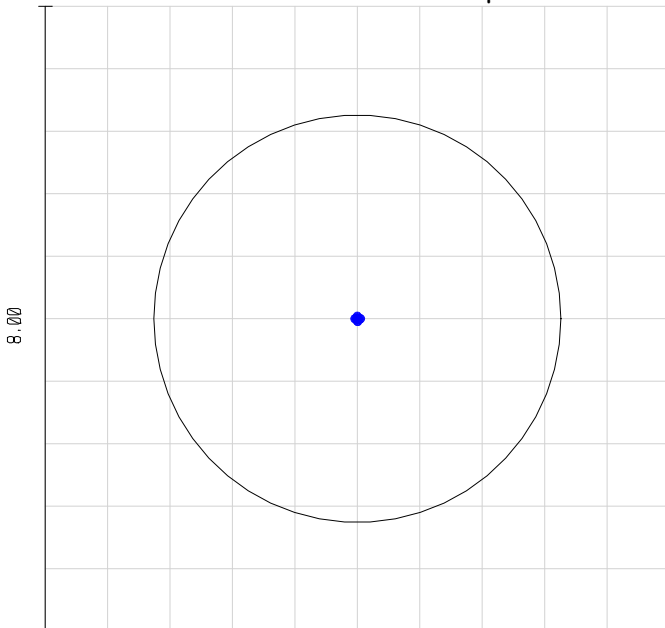


980 nm
RMS Radius = 0.04 μm

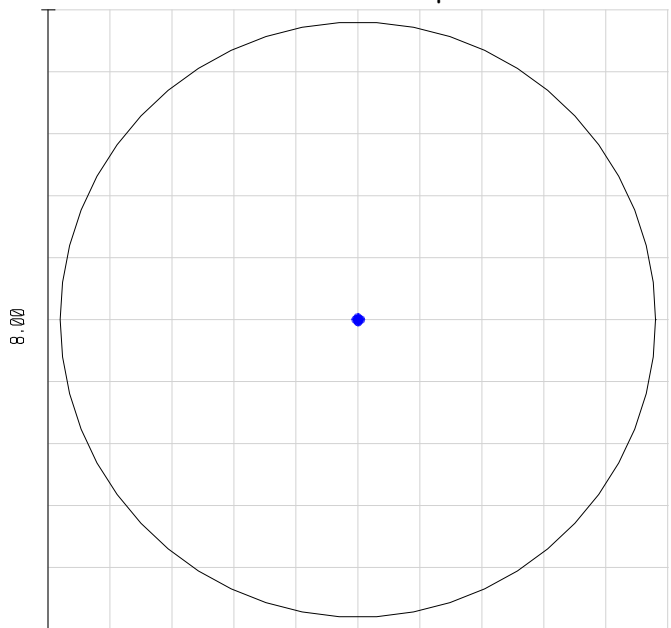


Spot Diagrams for C-Coated Lens (A220-C)

1064 nm
RMS Radius = 0.03 μm



1550 nm
RMS Radius = 0.03 μm



Chromatic Focal Shift

Maximum Focal Shift Range: 745.65 μm (350 – 1620 nm)

Diffraction Limited Range: 9.90 μm

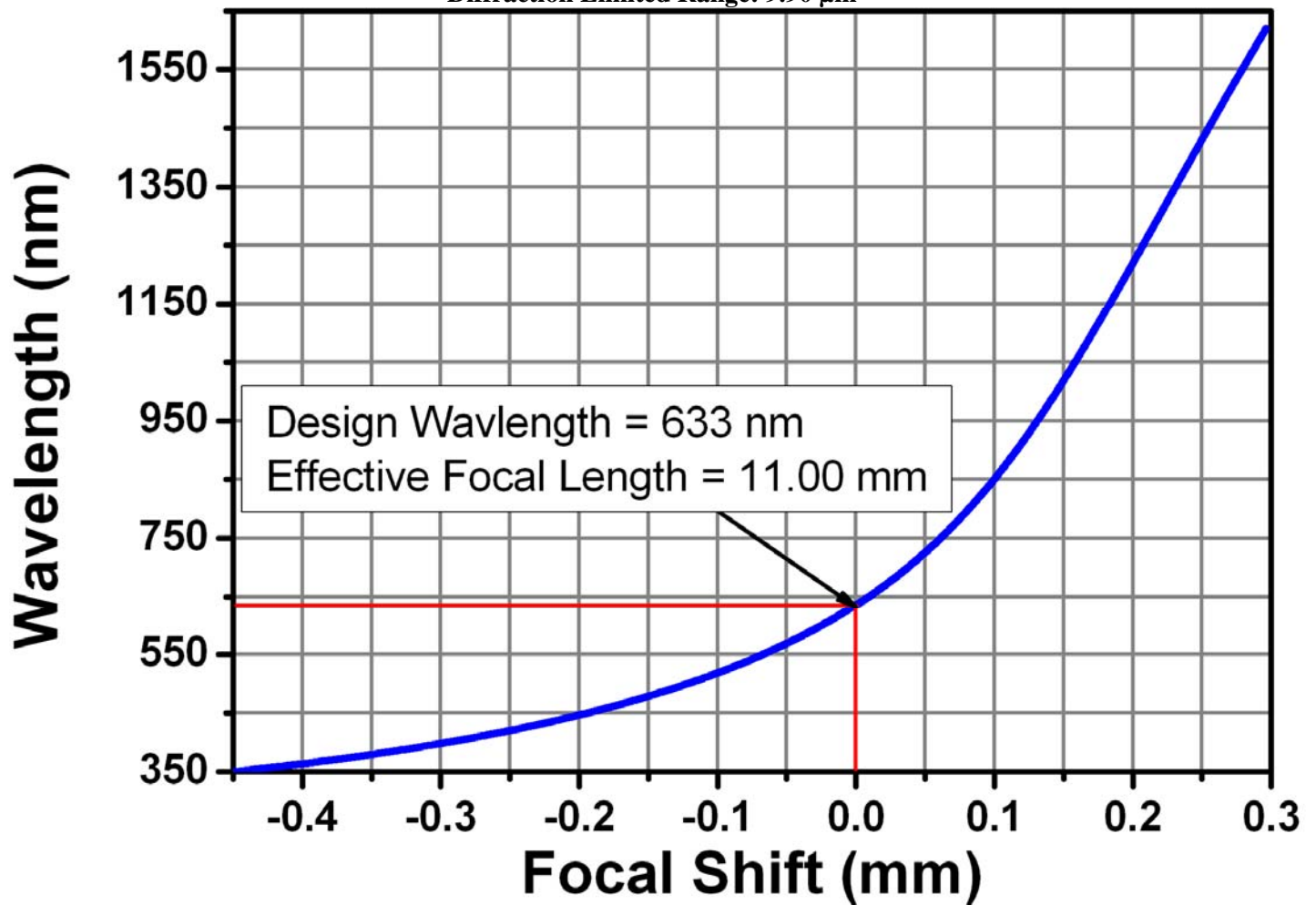


Table showing the focal length at various laser line wavelengths

Wavelength (nm)	Focal Length (mm)
405	10.671
633 ¹	11.000
670	11.010
780	11.067
810	11.080
830	11.088
980	11.140
1064	11.165
1550	11.294

¹ Design Wavelength