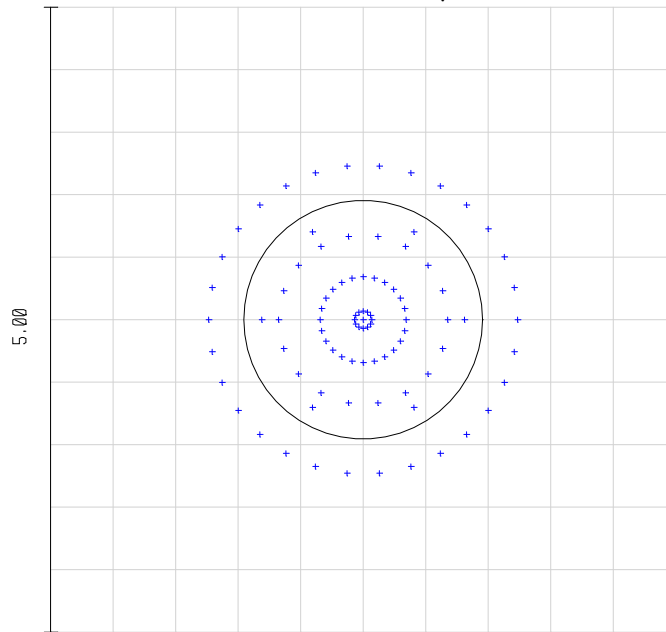


Spot Diagrams for Laser Quality Molded Glass Aspheric Lens A240

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 780 nm

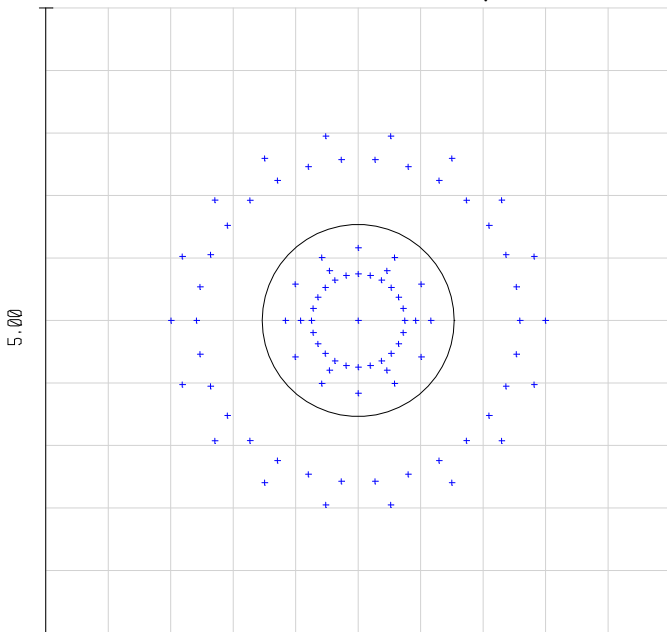
RMS Radius = 5.63 μm



Spot Diagrams for A-Coated Lens (A240-A)

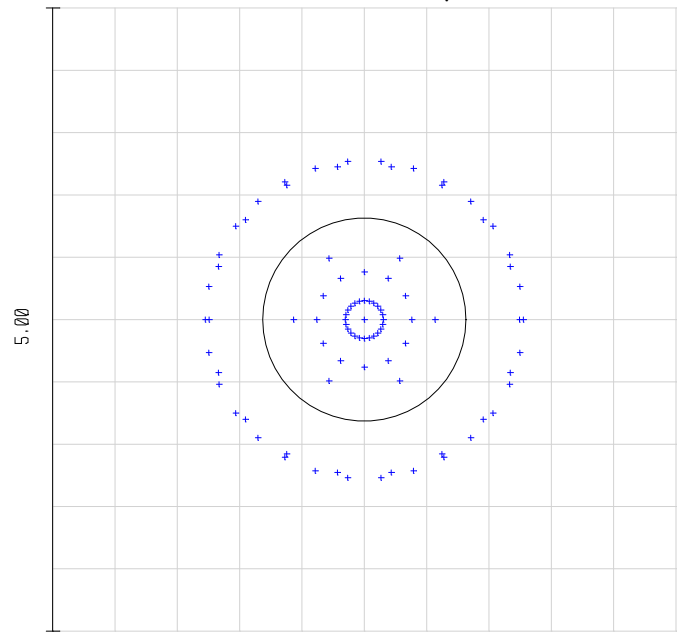
633 nm

RMS Radius = 6.58 μm



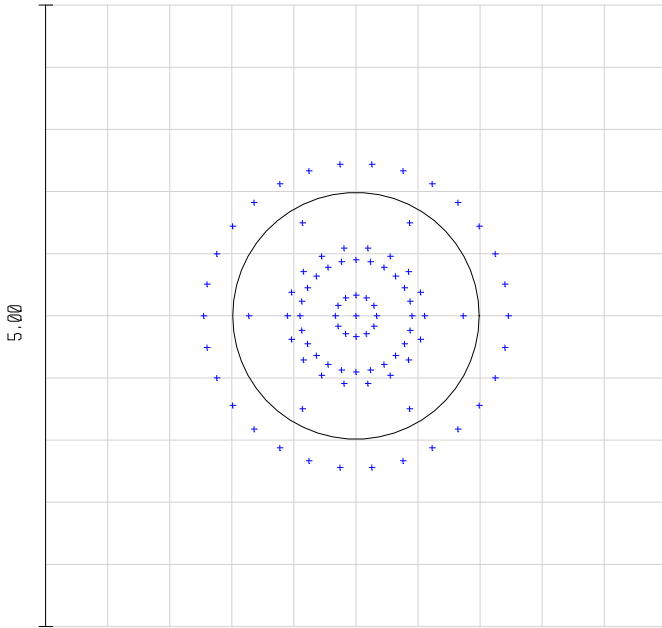
670 nm

RMS Radius = 6.28 μm

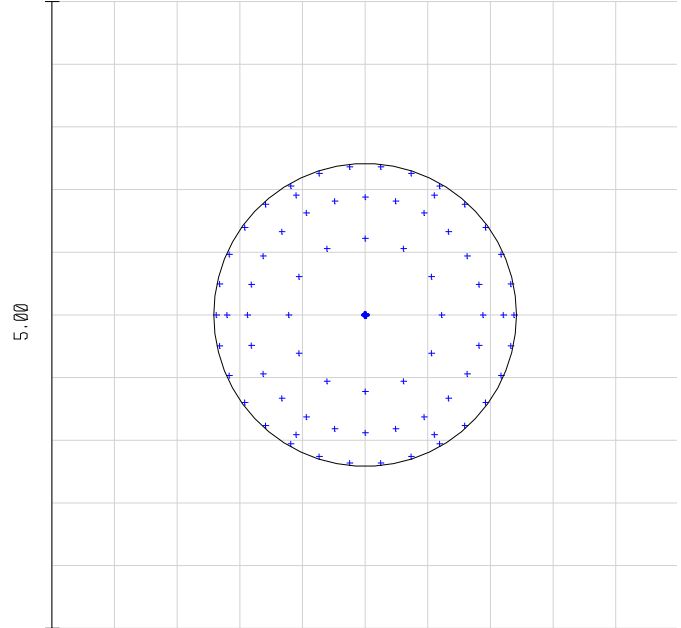


Spot Diagrams for B-Coated Lens (A240-B)

810 nm
RMS Radius = 5.50 μm

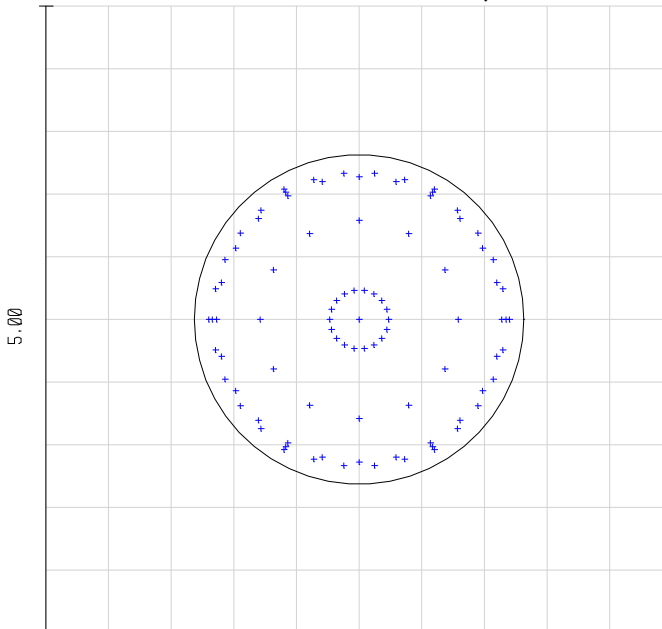


980 nm
RMS Radius = 4.88 μm

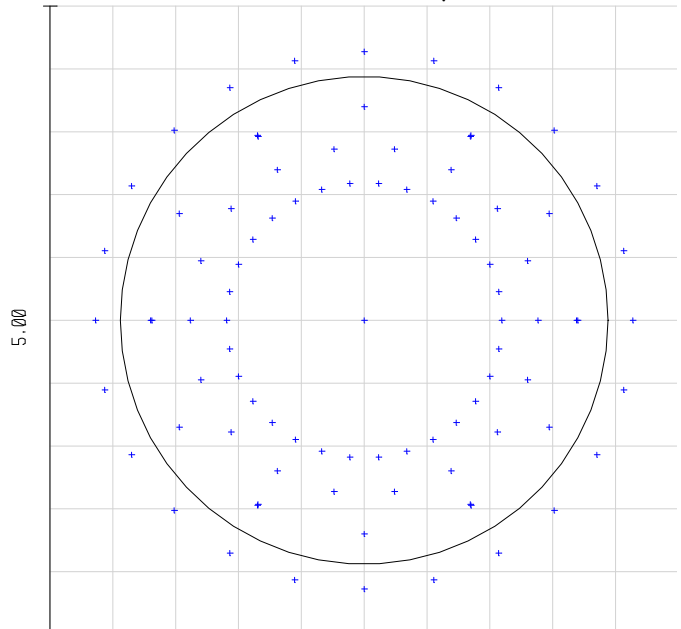


Spot Diagrams for C-Coated Lens (A240-C)

1064 nm
RMS Radius = 4.64 μm



1550 nm
RMS Radius = 3.54 μm



Chromatic Focal Shift

Maximum Focal Shift Range: 634.05 μm (350 – 1620 nm)

Diffraction Limited Range: 3.14 μm

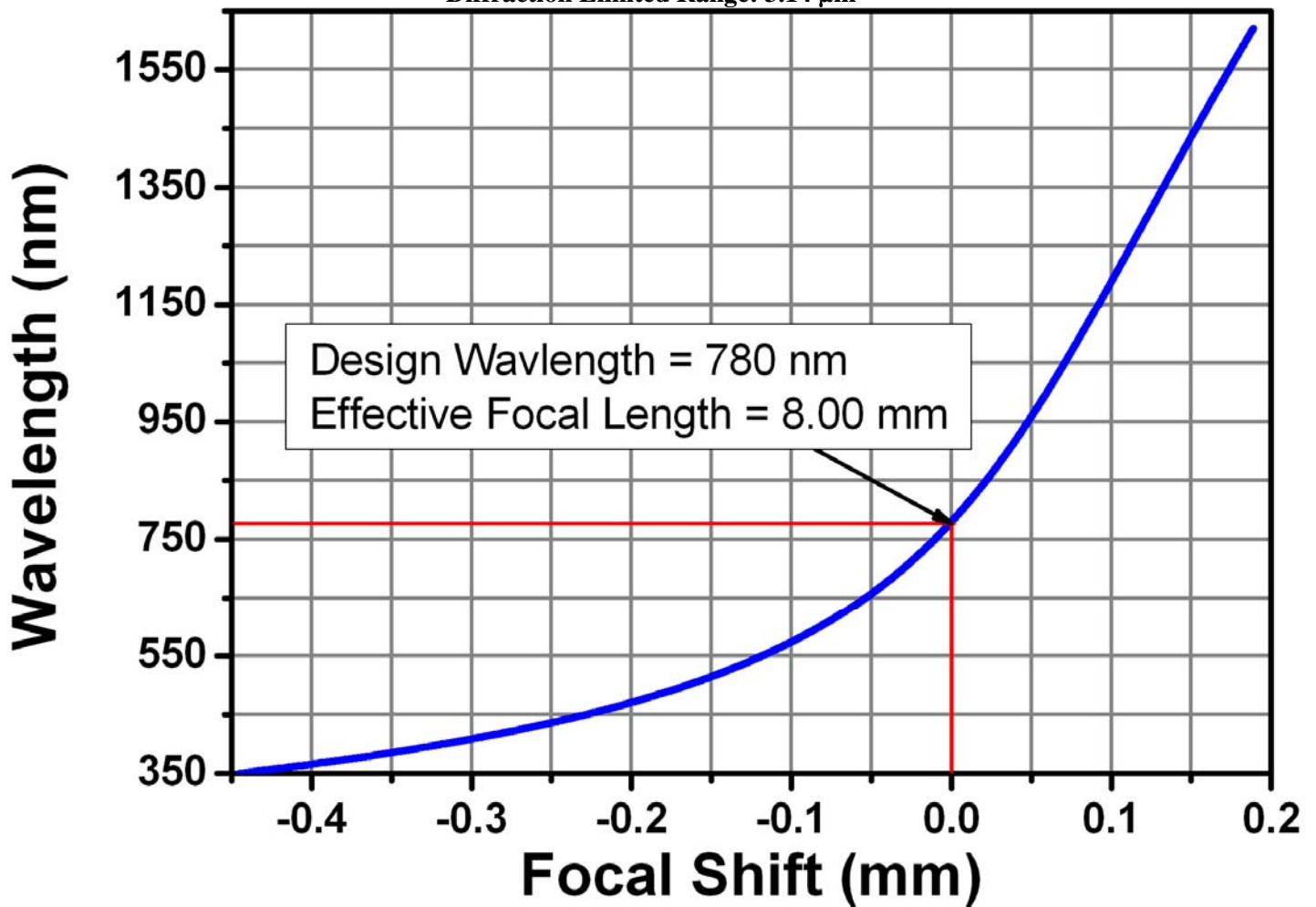


Table showing the focal length at various laser line wavelengths

Wavelength (nm)	Focal Length (mm)
405	7.652
633	7.929
670	7.950
780 ¹	8.000
810	8.011
830	8.018
980	8.062
1064	8.083
1550	8.196

¹ Design Wavelength