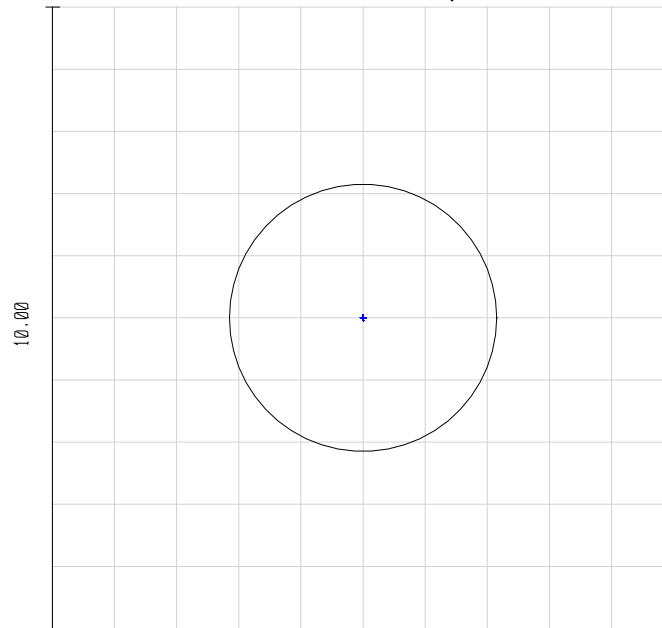


Spot Diagrams for Laser Quality Molded Glass Aspheric Lens 354560

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 650 nm

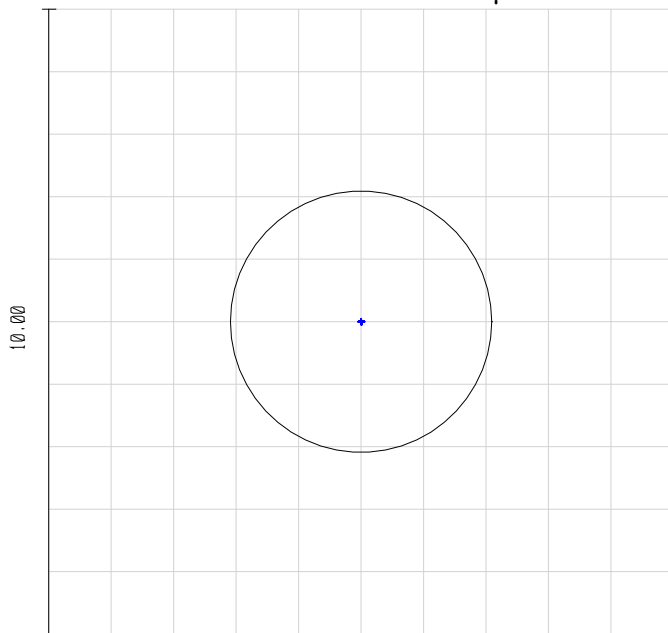
RMS Radius = 0.000 μm



Spot Diagrams for A-Coated Lens (354560-A)

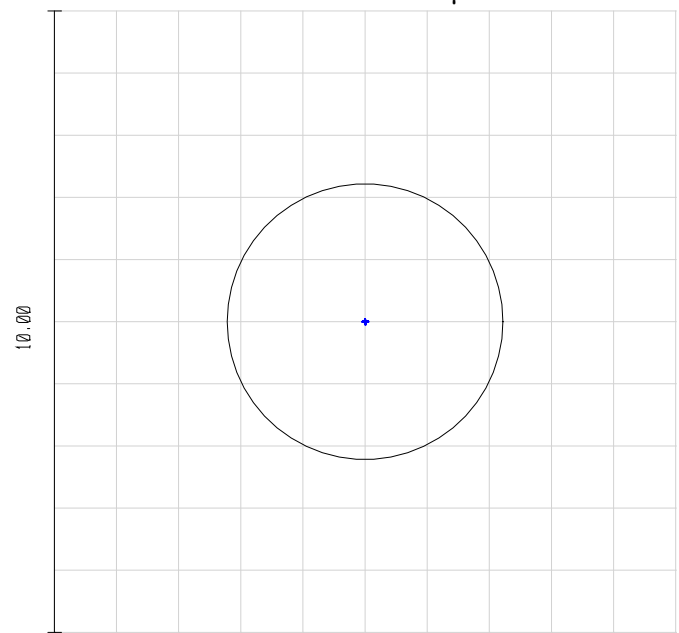
633 nm

RMS Radius = 0.003 μm



670 nm

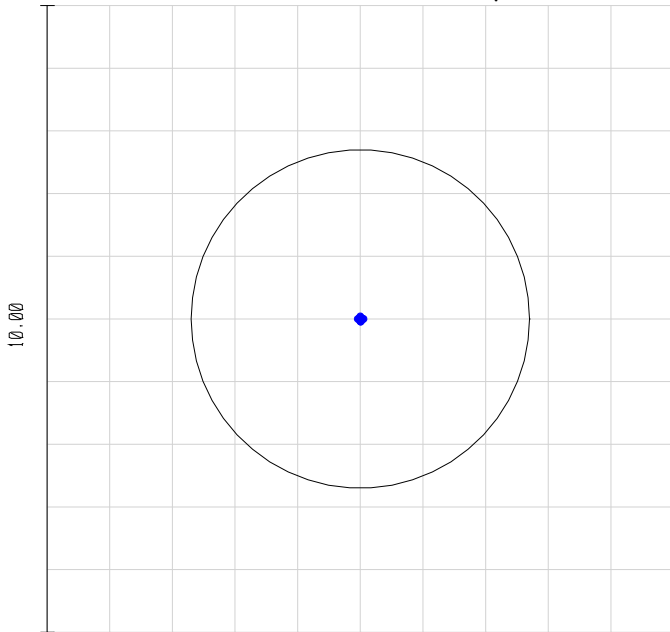
RMS Radius = 0.005 μm



Spot Diagrams for B-Coated Lens (354560-B)

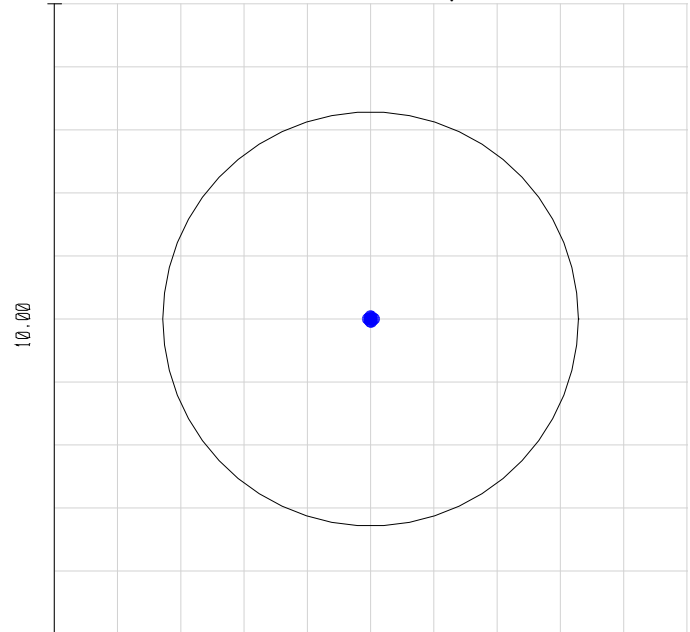
810 nm

RMS Radius = 0.003 μm



980 nm

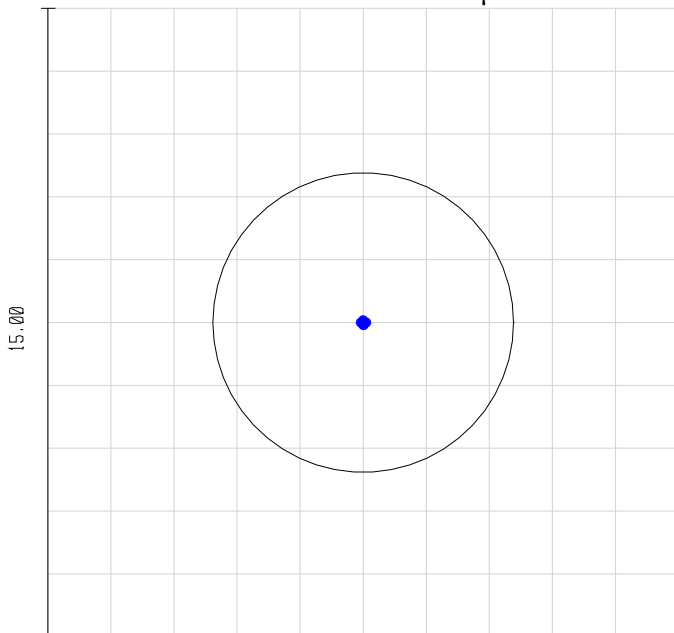
RMS Radius = 0.06 μm



Spot Diagrams for C-Coated Lens (354560-C)

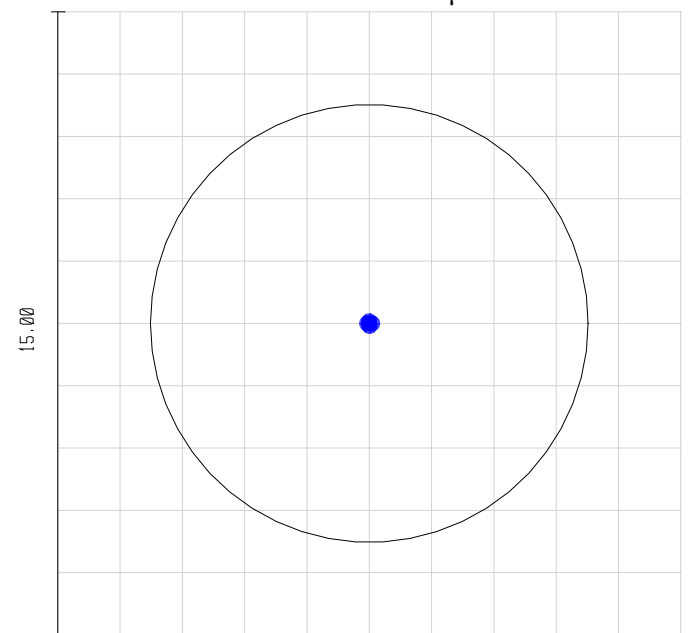
1064 nm

RMS Radius = 0.07 μm



1550 nm

RMS Radius = 0.11 μm



Chromatic Focal Shift

Maximum Focal Shift Range: 1034.88 μm (350 – 1620 nm)

Diffraction Limited Range: 19.11 μm

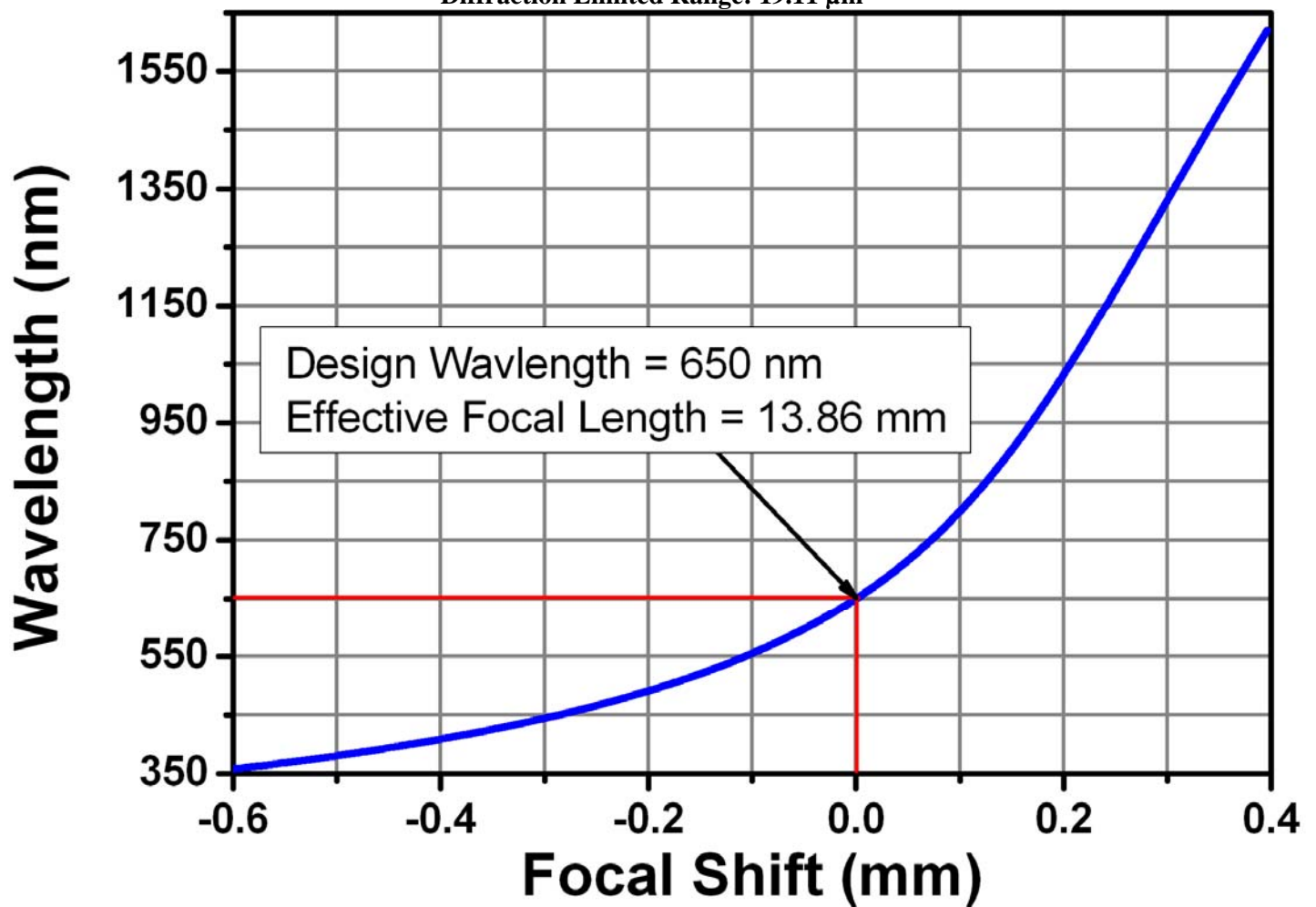


Table showing the focal length at various laser line wavelengths

Wavelength (nm)	Focal Length (mm)
405	13.427
633	13.844
650 ¹	13.860
780	13.954
810	13.971
830	13.982
980	14.049
1064	14.081
1550	14.250

¹ Design Wavelength