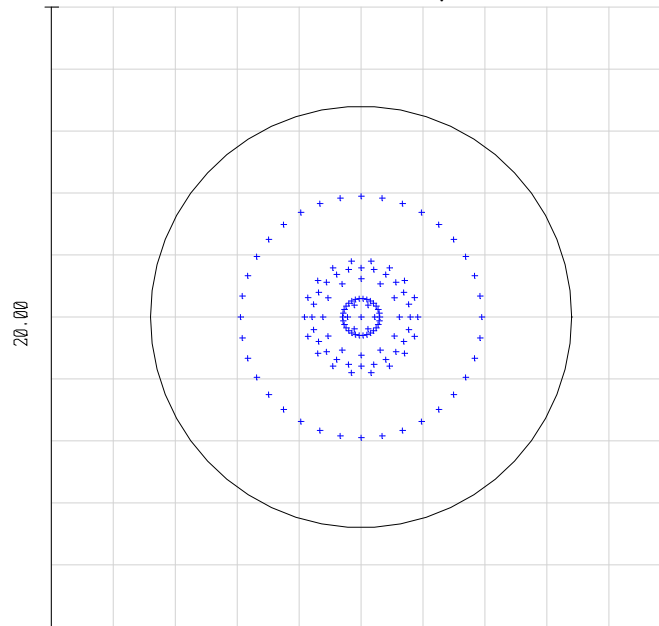


Spot Diagrams for Laser Quality Molded Glass Aspheric Lens 390037

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 9.5 μm

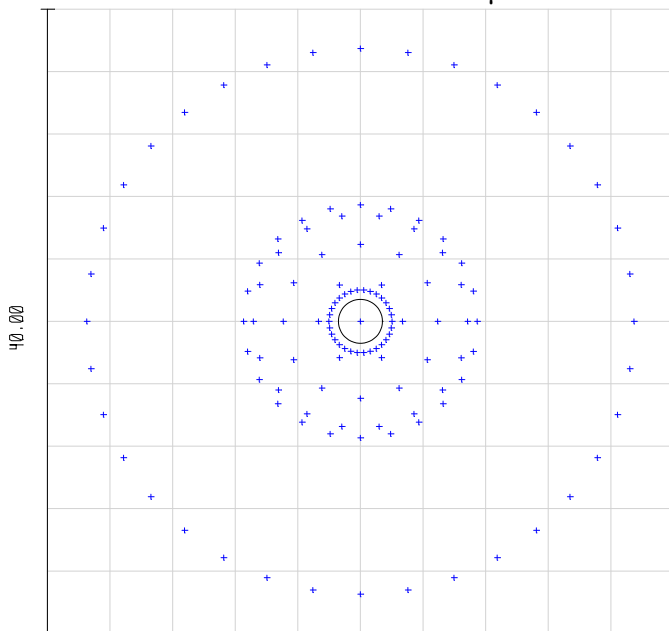
RMS Radius = 2.34 μm



Spot Diagrams for D-Coated Lens (390037-D)

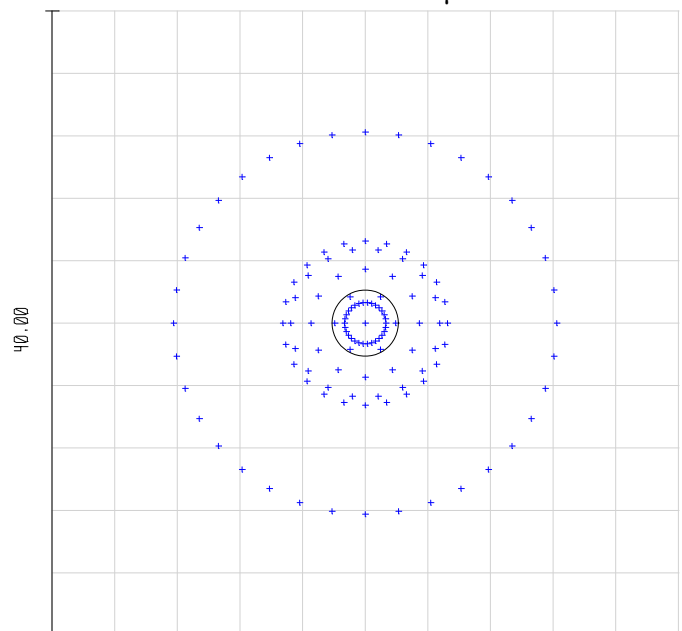
2.0 μm

RMS Radius = 10.36 μm



3.0 μm

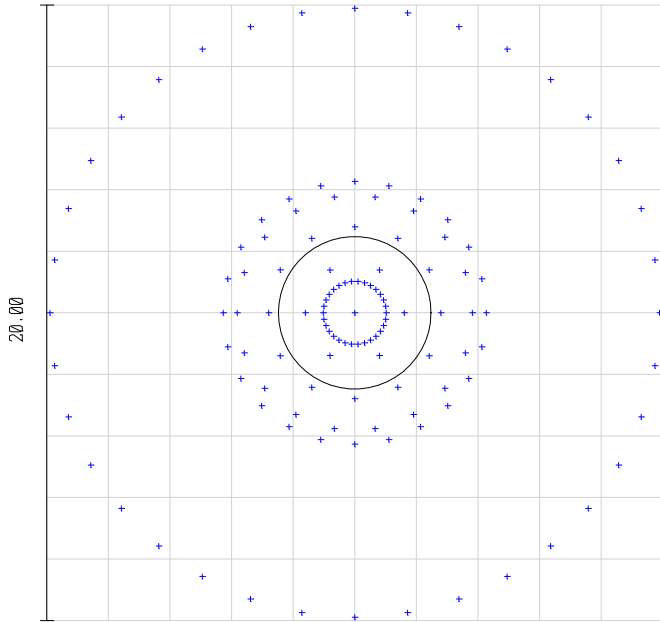
RMS Radius = 7.25 μm



Spot Diagrams for E-Coated Lens (390037-E)

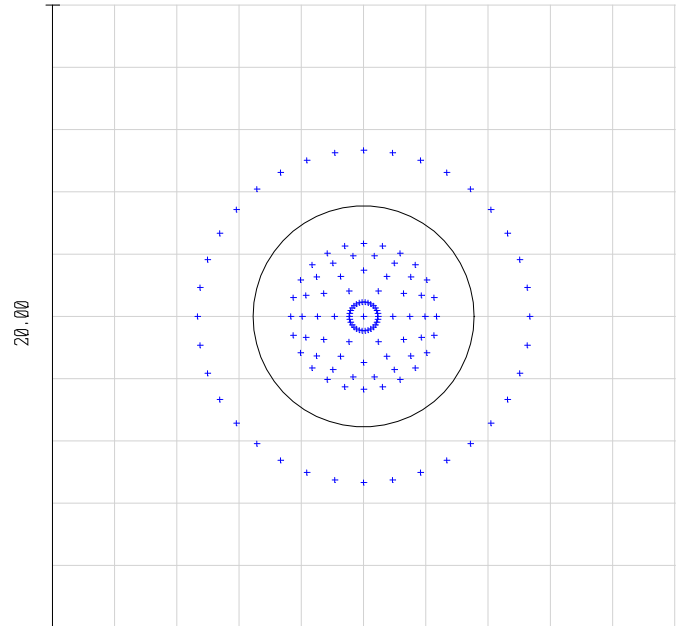
3.5 μm

RMS Radius = 5.86 μm



5.0 μm

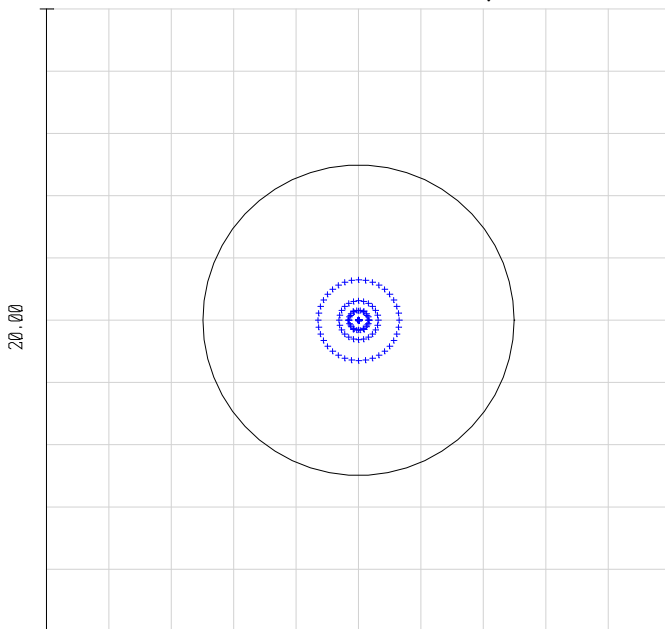
RMS Radius = 3.16 μm



Spot Diagrams for F-Coated Lens (390037-F)

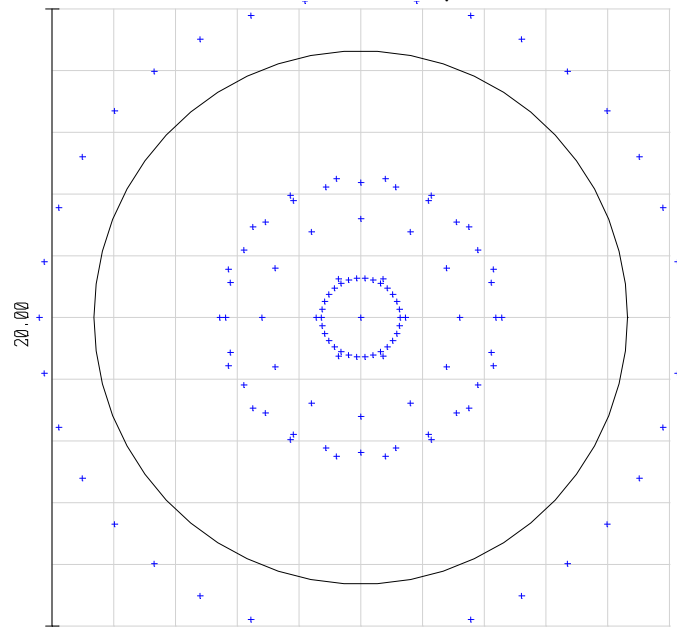
7.0 μm

RMS Radius = 0.76 μm



12.0 μm

RMS Radius = 3.93 μm



Chromatic Focal Shift

Maximum Focal Shift Range: 105.75 μm (2 – 14 μm)

Diffraction Limited Range: 8.00 μm

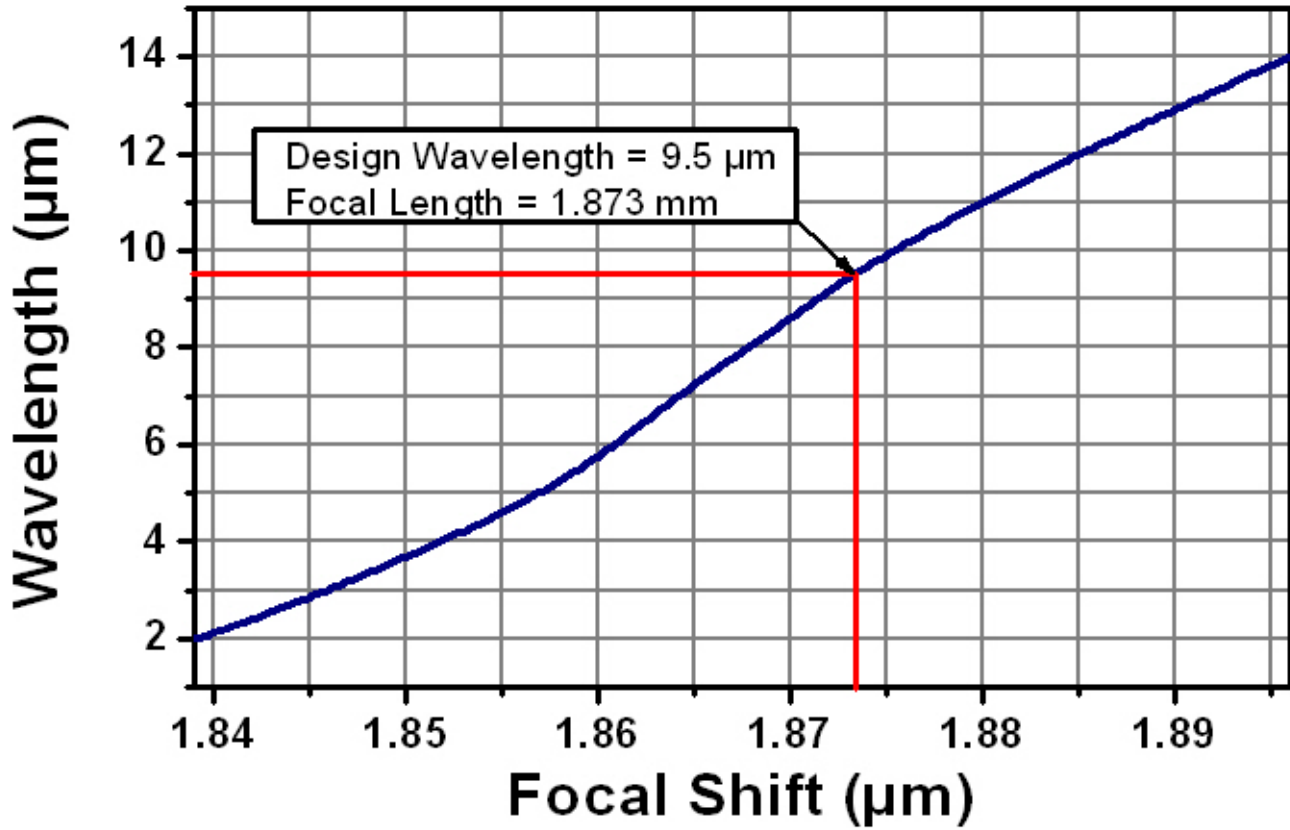


Table showing the focal length at various laser line wavelengths

Wavelength (μm)	Focal Length (mm)
2.0	1.839
2.5	1.843
5.0	1.858
7.0	1.864
8.0	1.868
9.5*	1.873
11.0	1.880
12.0	1.885
14.0	1.896

*Denotes Design Wavelength