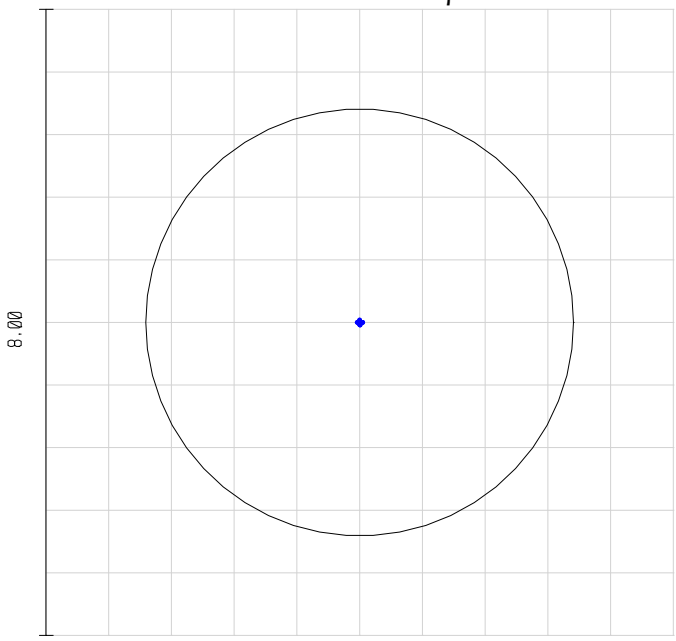
Spot Diagrams for Laser Quality Molded Glass Aspheric Lens 390036

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 2.5 µm

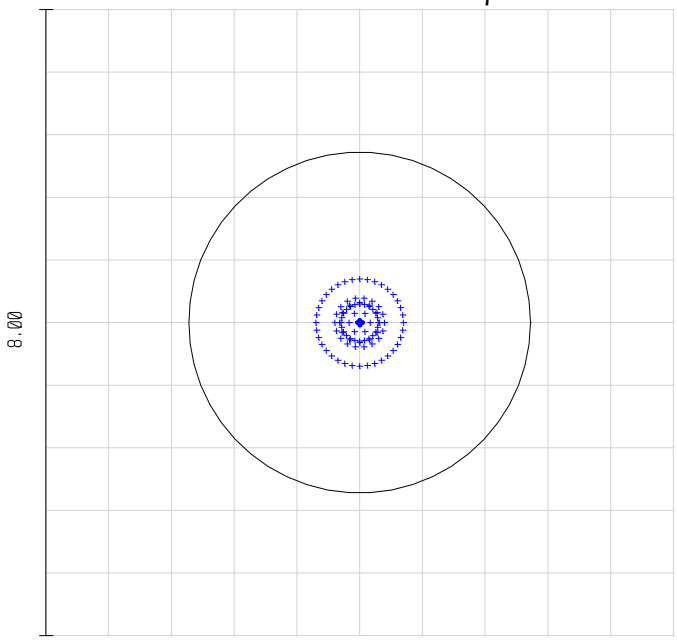
RMS Radius = 0.013 µm



Spot Diagrams for D-Coated Lens (390036-D)

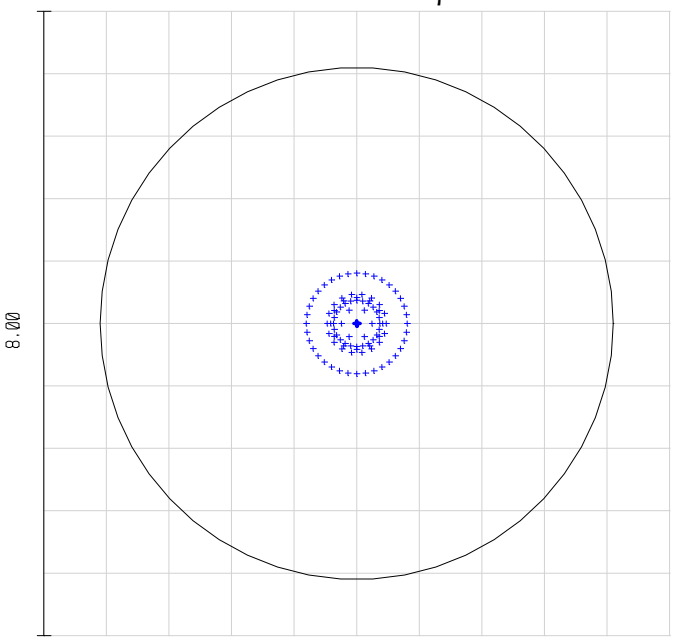
2.0 µm

RMS Radius = 0.35 µm



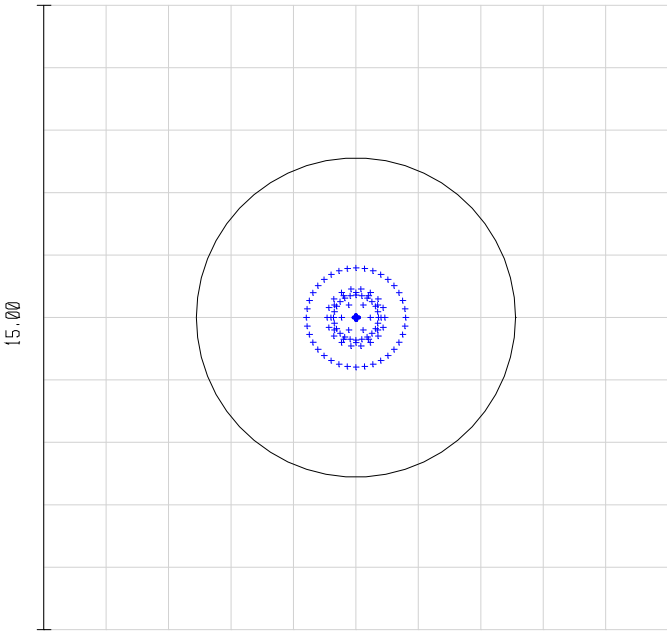
3.0 µm

RMS Radius = 0.41 µm

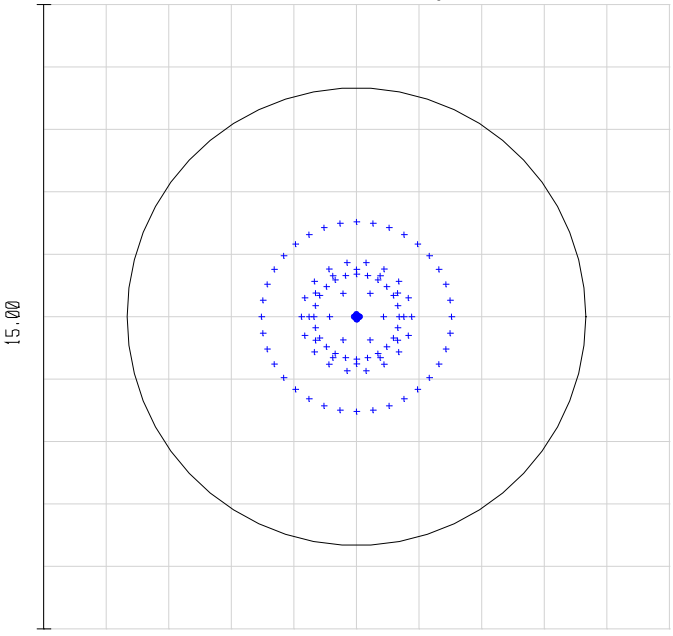


Spot Diagrams for E-Coated Lens (390036-E)

3.5 µm
RMS Radius = 0.75 µm

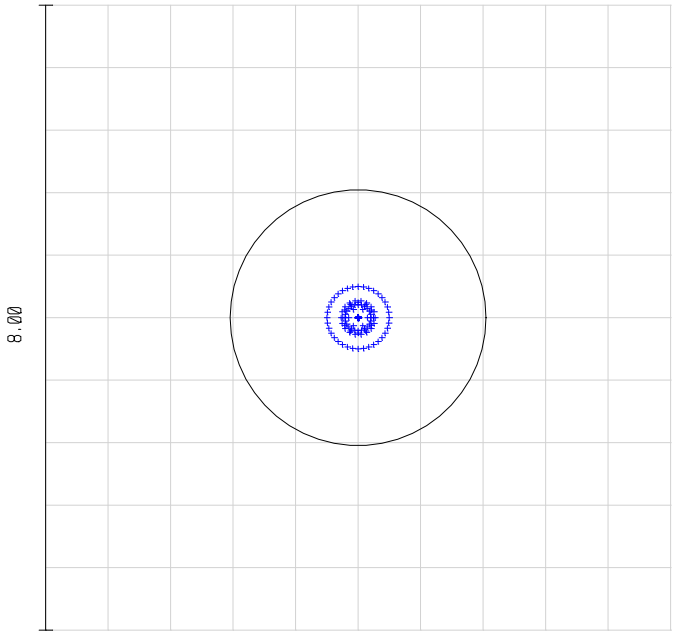


5.0 µm
RMS Radius = 1.44 µm

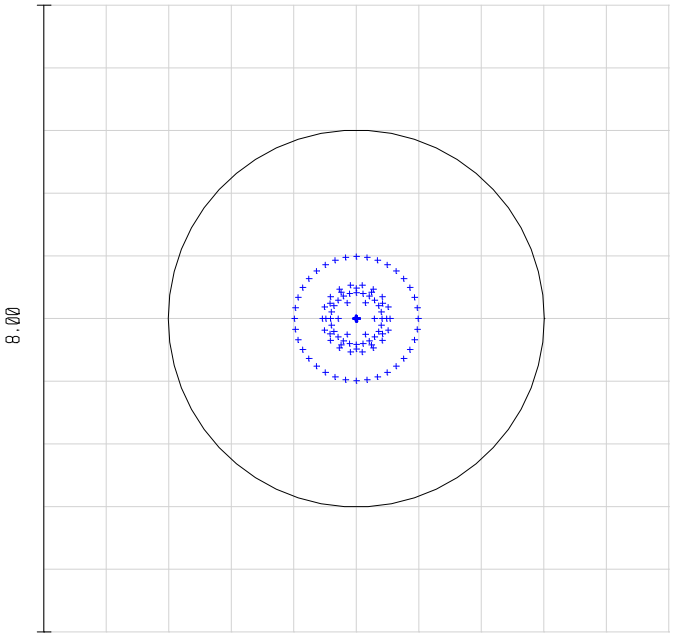


Spot Diagrams for F-Coated Lens (390036-F)

9.5 µm
RMS Radius = 2.87 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

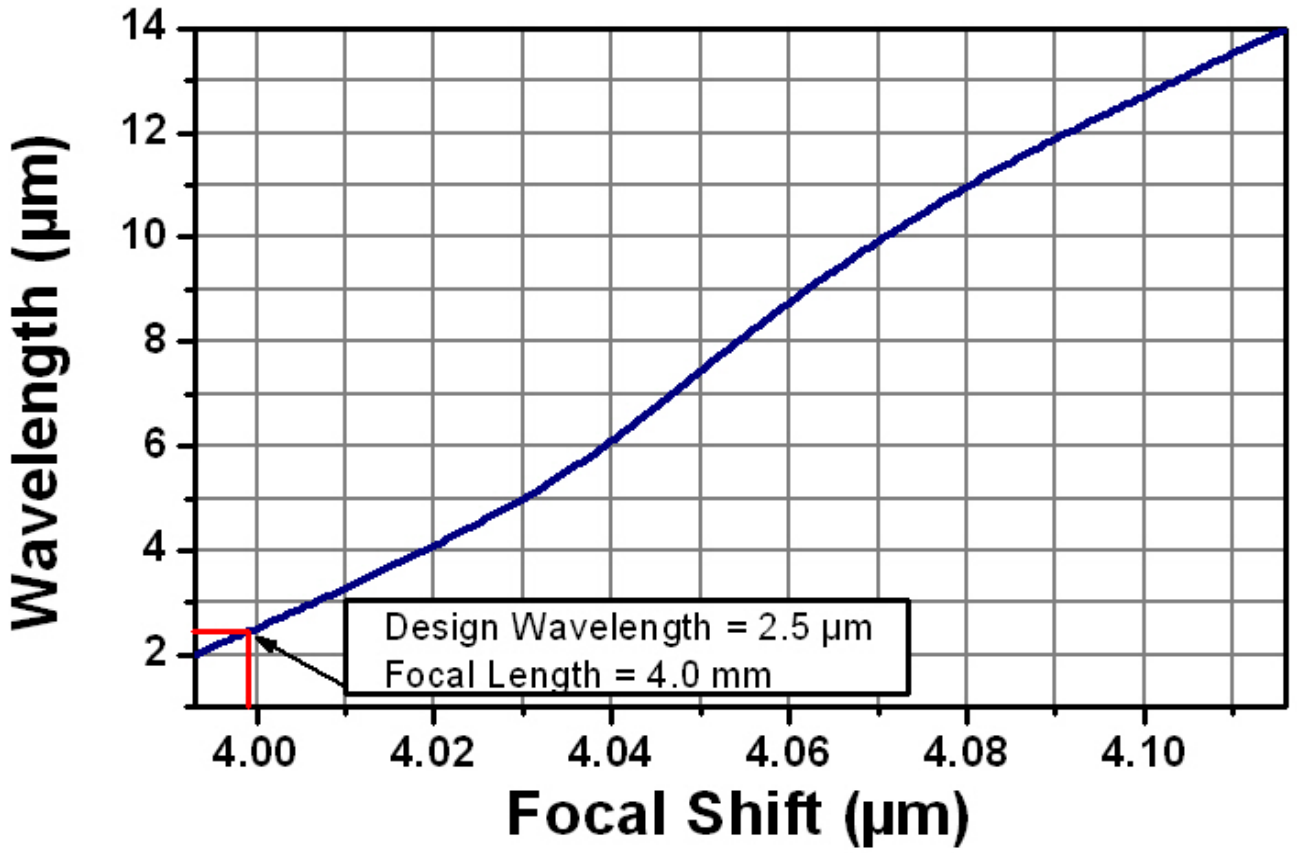


Table showing the focal length at various laser line wavelengths

Wavelength (µm)	Focal Length (mm)
2.0	3.993
2.5*	4.000
5.0	4.032
7.0	4.047
8.0	4.054
9.5	4.066
11.0	4.080
12.0	4.091
14.0	4.116

*Denotes Design Wavelength