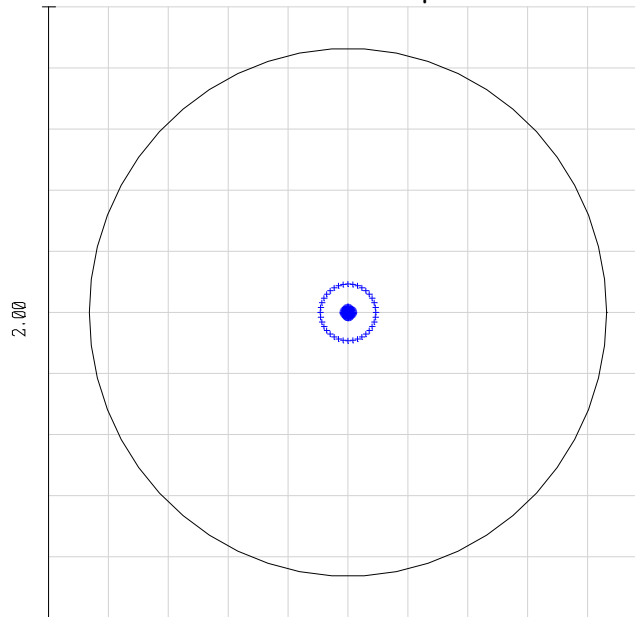


**Spot Diagrams for Laser Quality Molded Glass Aspheric Lens 352140**

*Note: Black circle on plots indicates Airy Disk.*

**At Design Wavelength 780 nm**

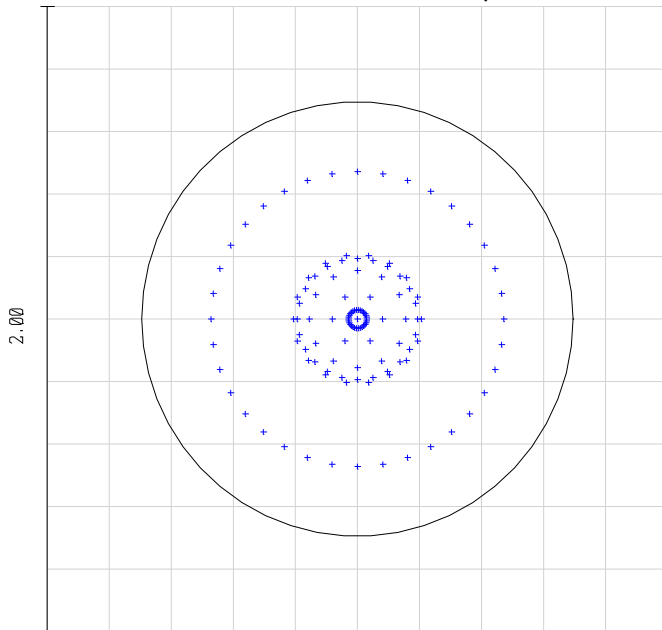
RMS Radius = 0.05  $\mu\text{m}$



**Spot Diagrams for A-Coated Lens (352140-A)**

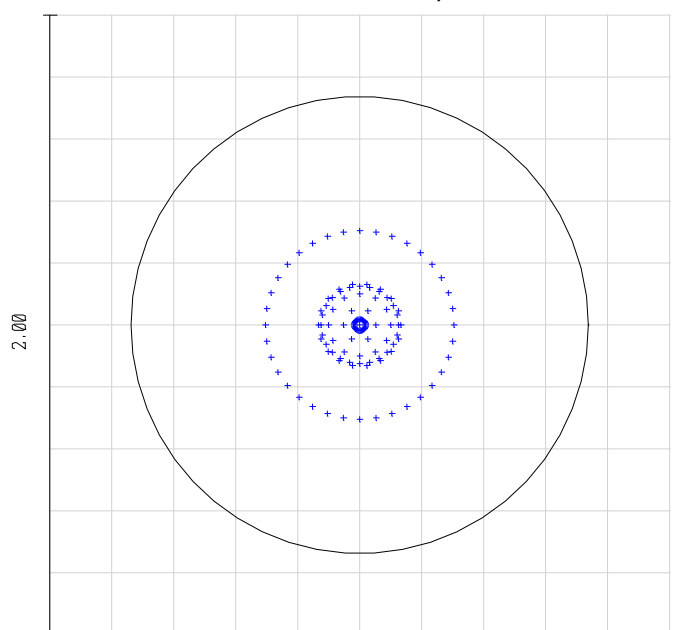
**633nm**

RMS Radius = 0.28  $\mu\text{m}$



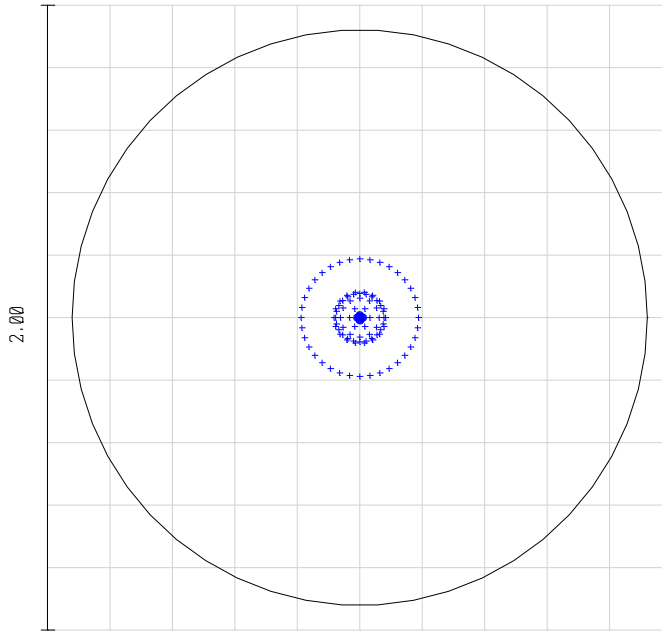
**670 nm**

RMS Radius = 0.18  $\mu\text{m}$

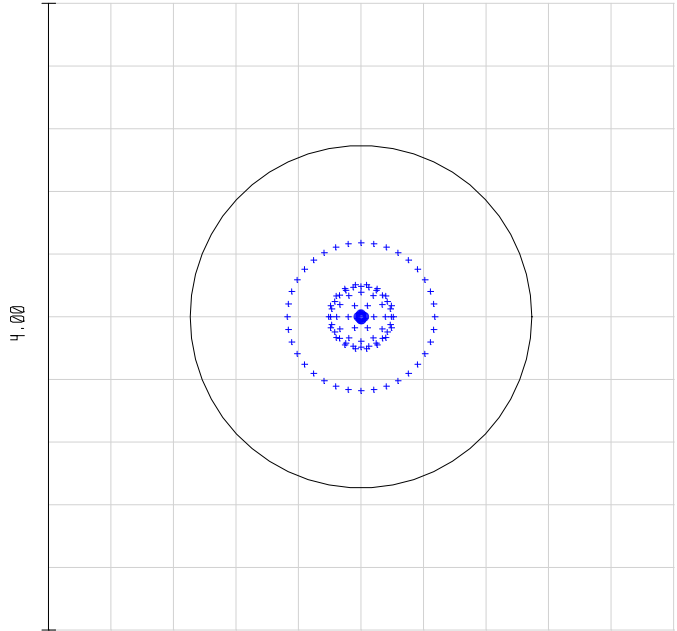


**Spot Diagrams for B-Coated Lens (352110-B)**

**830 nm**  
RMS Radius = 0.11  $\mu\text{m}$

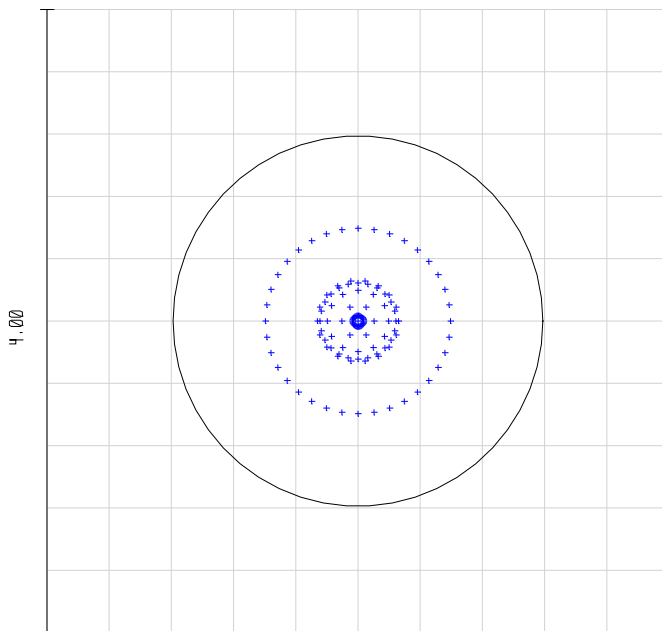


**980 nm**  
RMS Radius = 0.28  $\mu\text{m}$

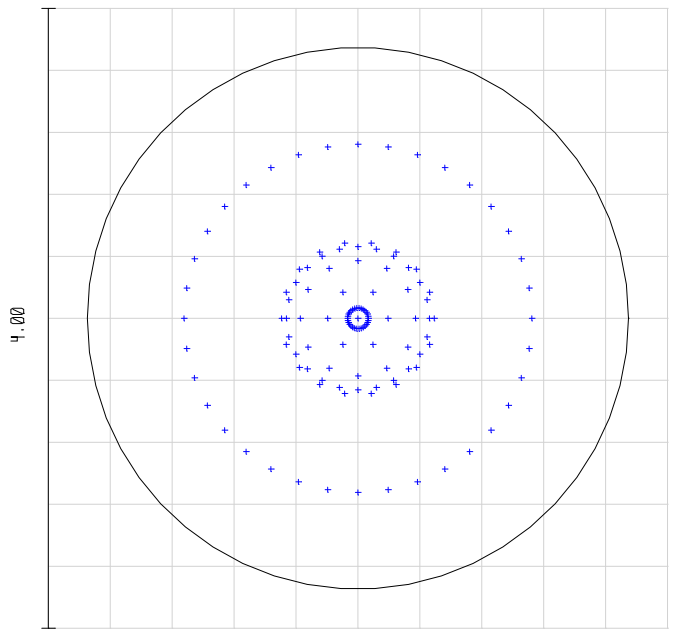


**Spot Diagrams for C-Coated Lens (352110-C)**

**1064 nm**  
RMS Radius = 0.36  $\mu\text{m}$



**1550 nm**  
RMS Radius = 0.67  $\mu\text{m}$



## Chromatic Focal Shift

Maximum Focal Shift Range: 106.19  $\mu\text{m}$  (350 – 1620 nm)

Diffraction Limited Range: 2.57  $\mu\text{m}$

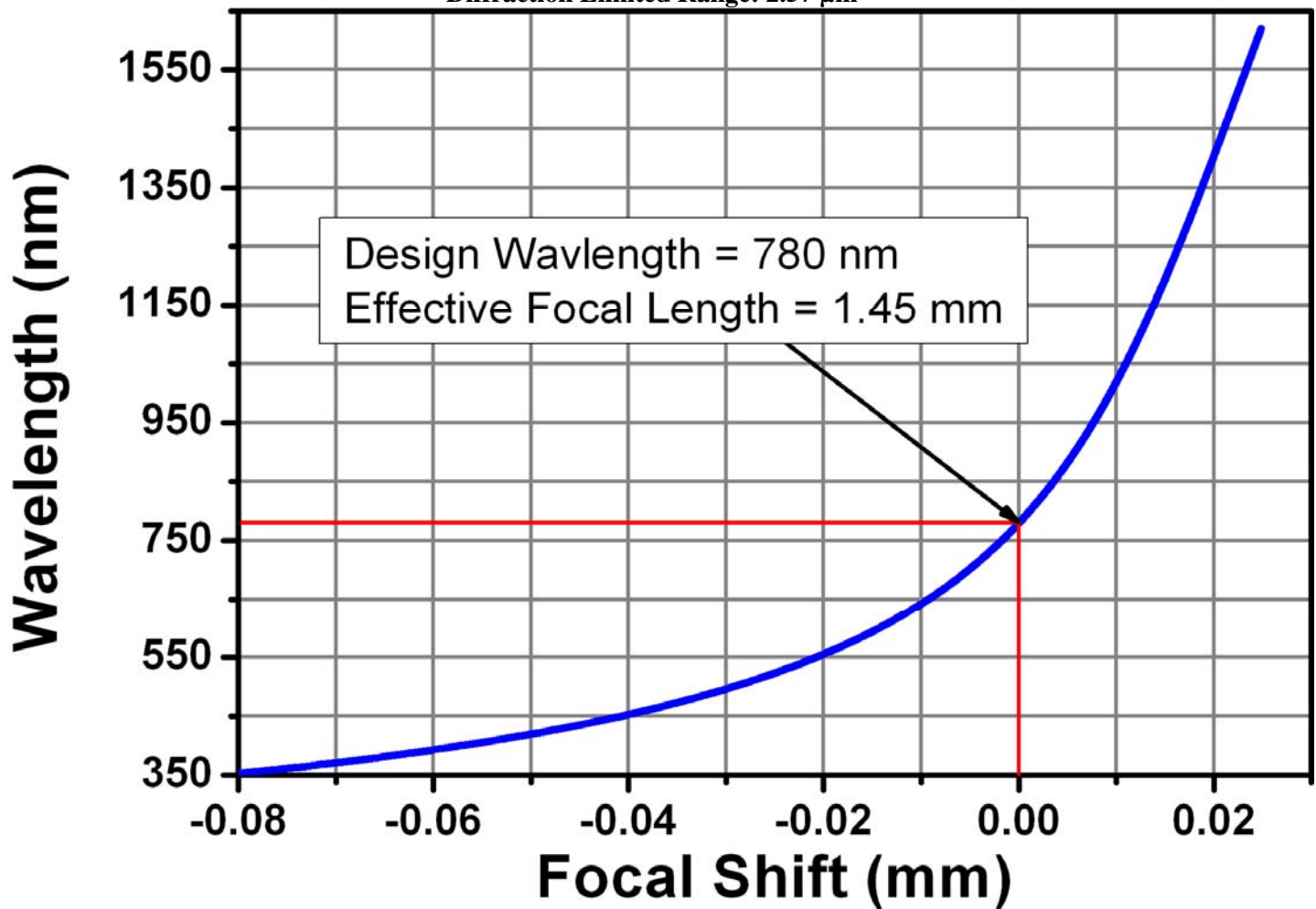


Table showing the focal length at various laser line wavelengths

Wavelength (nm)	Focal Length (mm)
405	1.387
633	1.438
670	1.442
780 <sup>1</sup>	1.451
810	1.453
830	1.454
980	1.462
1064	1.465
1550	1.478

<sup>1</sup> Design Wavelength