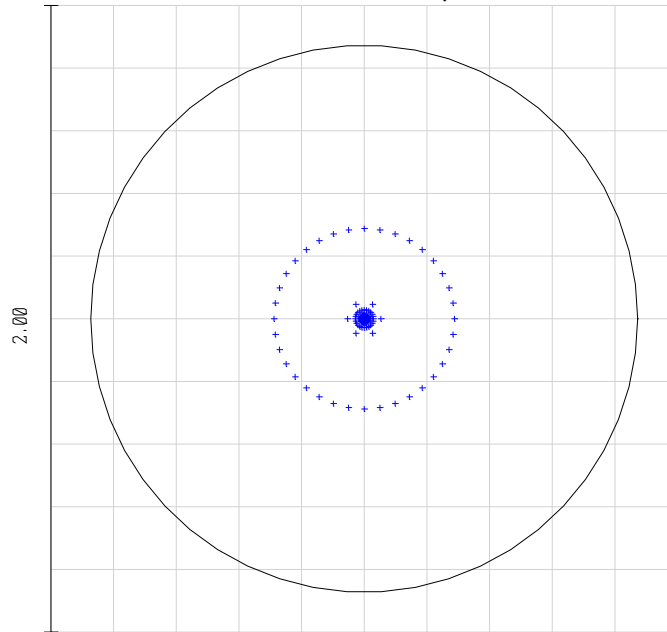


## Spot Diagrams for Laser Quality Molded Glass Aspheric Lens A230

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

**At Design Wavelength 780 nm**

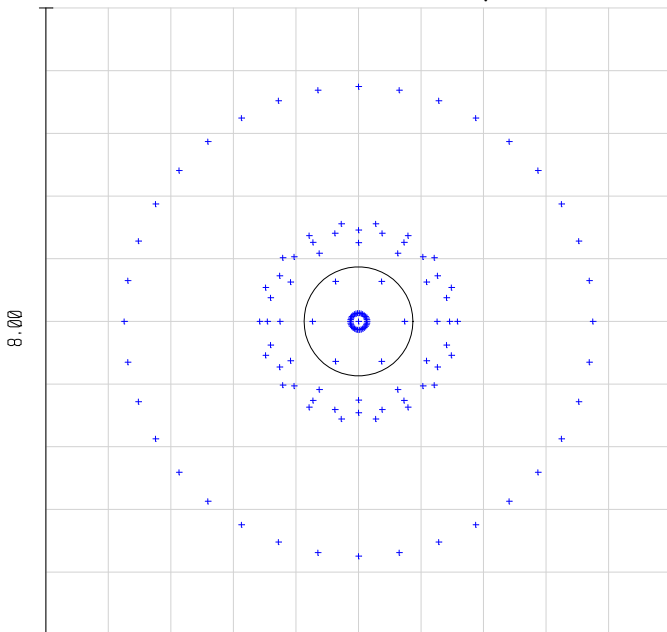
RMS Radius = 0.15  $\mu\text{m}$



### Spot Diagrams for A-Coated Lens (A230-A)

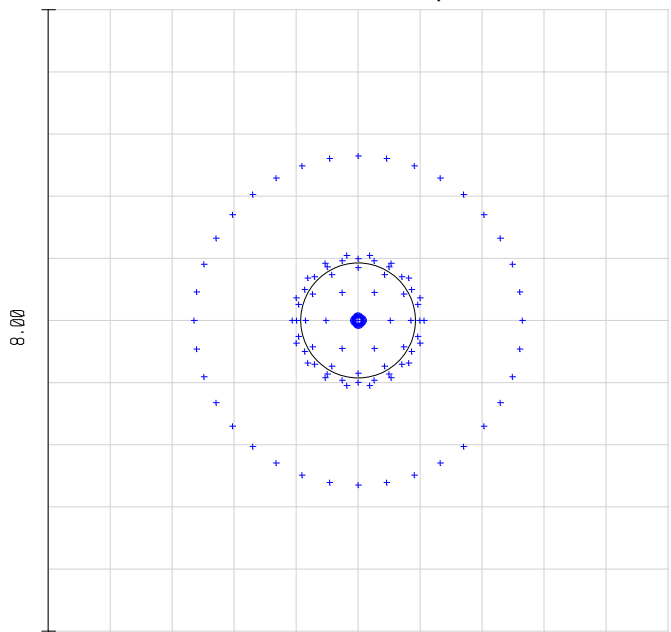
**633 nm**

RMS Radius = 1.77  $\mu\text{m}$



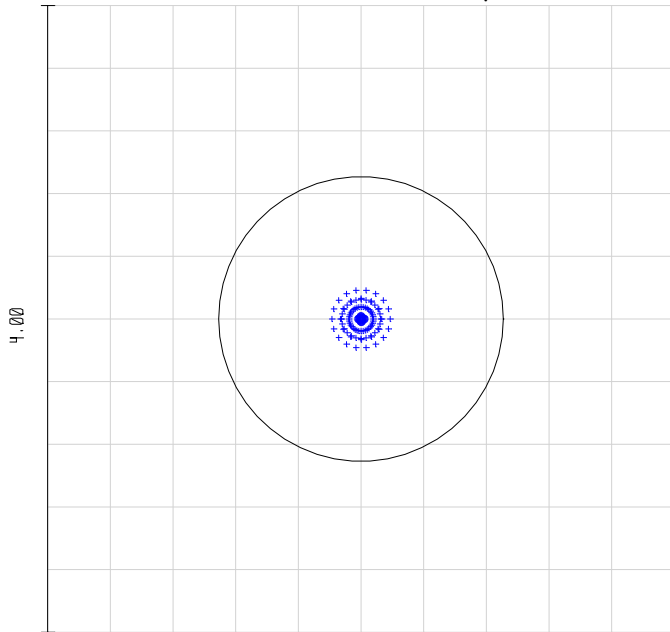
**670 nm**

RMS Radius = 1.24  $\mu\text{m}$

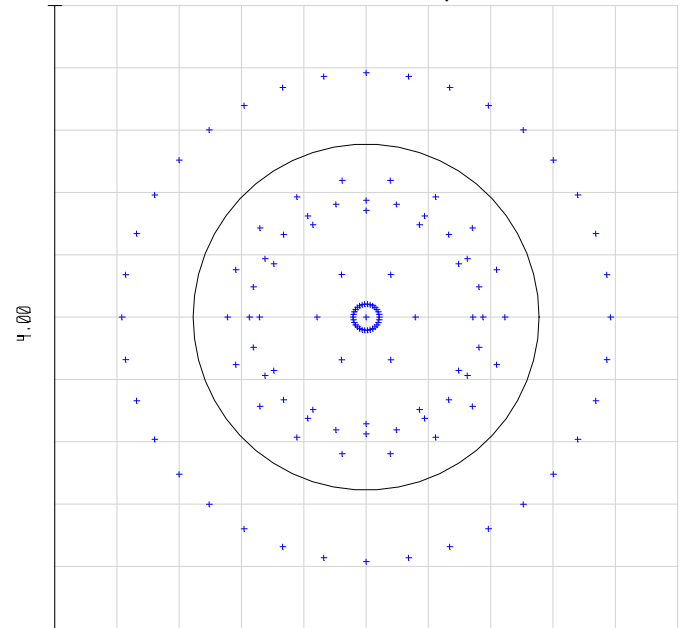


**Spot Diagrams for B-Coated Lens (A230-B)**

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

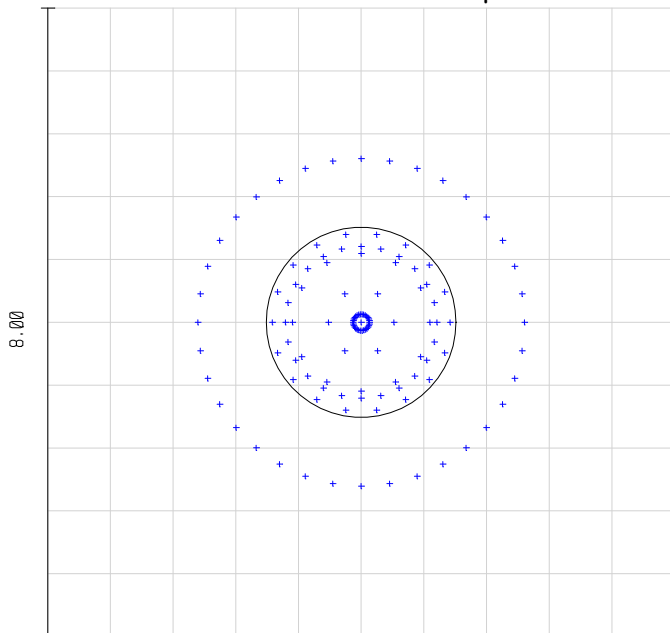


**980 nm**  
RMS Radius = 0.98  $\mu\text{m}$

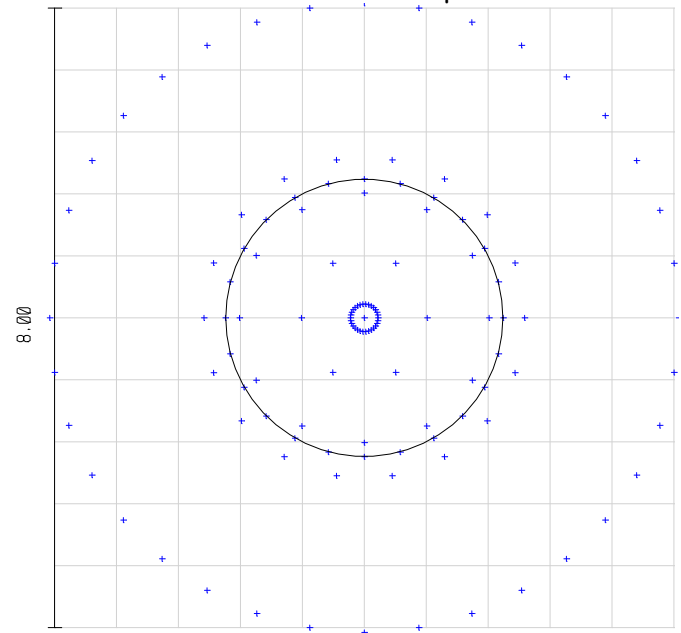


**Spot Diagrams for C-Coated Lens (A230-C)**

**1064 nm**  
RMS Radius = 1.29  $\mu\text{m}$



**1550 nm**  
RMS Radius = 2.49  $\mu\text{m}$



## Chromatic Focal Shift

Maximum Focal Shift Range: 743.66  $\mu\text{m}$  (350 – 1620 nm)

Diffraction Limited Range: 2.62  $\mu\text{m}$

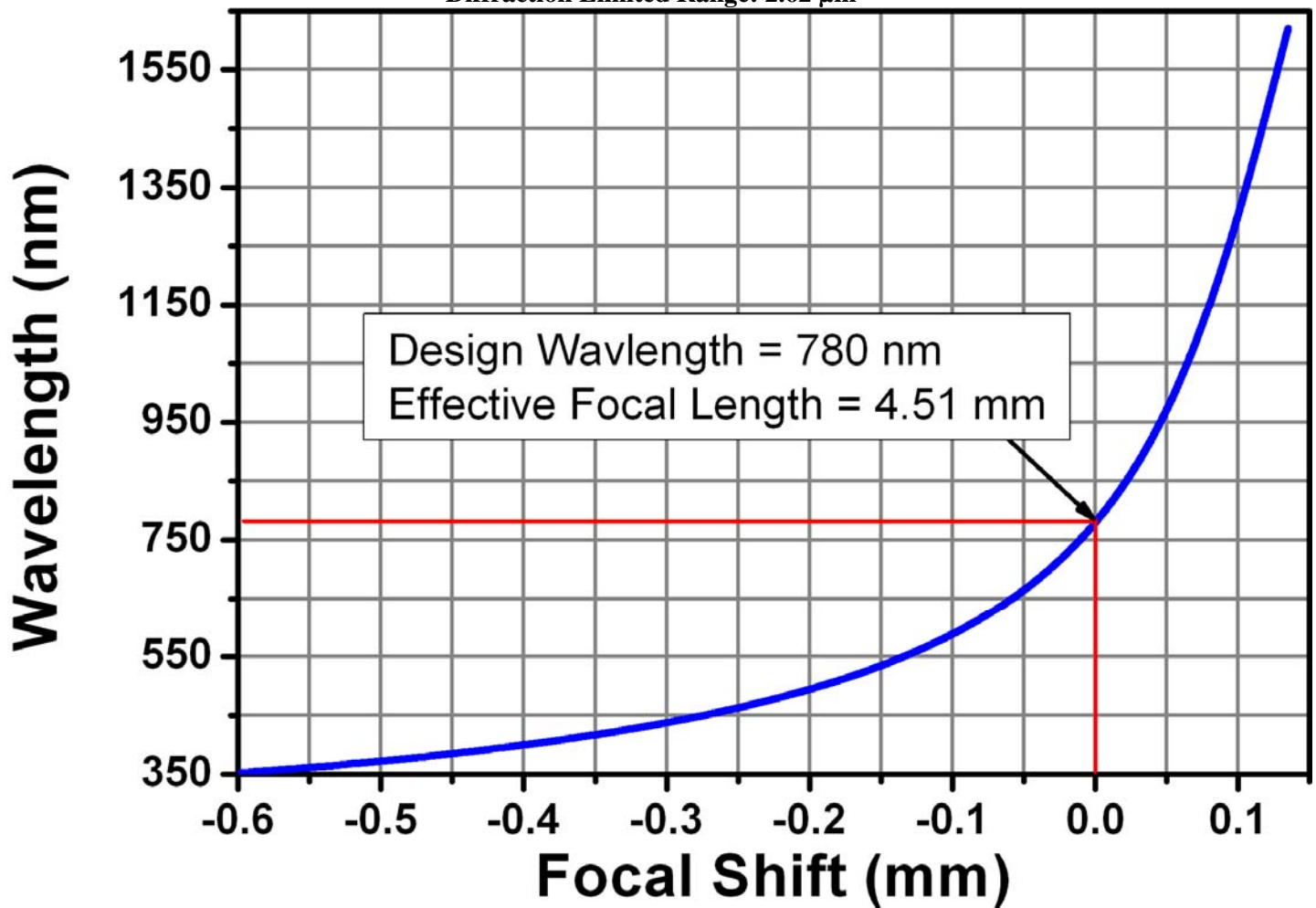


Table showing the focal length at various laser line wavelengths

Wavelength (nm)	Focal Length (mm)
405	4.016
633	4.399
670	4.425
780 <sup>1</sup>	4.482
810	4.493
830	4.501
980	4.543
1064	4.561
1550	4.634

<sup>1</sup> Design Wavelength