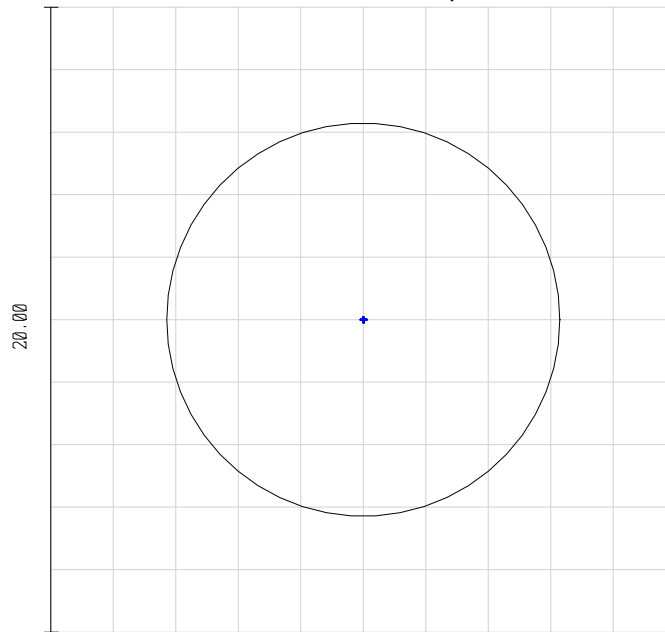


**Spot Diagrams for Laser Quality Molded Glass Aspheric Lens 354430**

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

**At Design Wavelength 1550 nm**

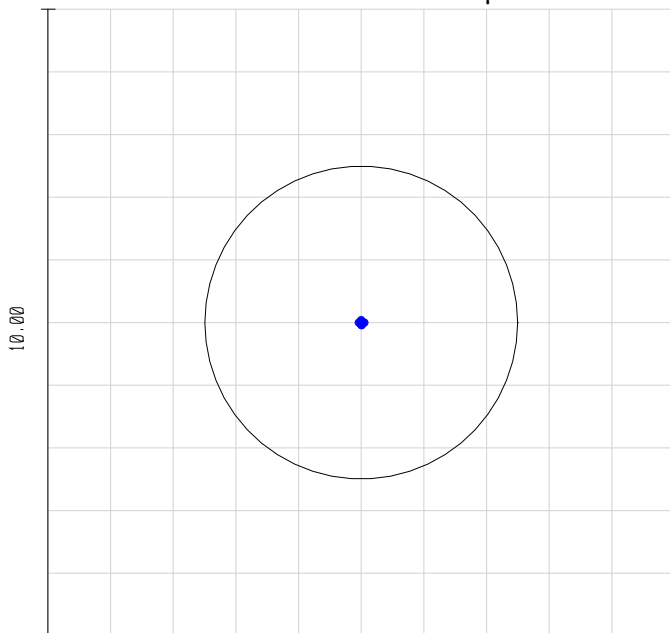
RMS Radius = 0.012  $\mu\text{m}$



**Spot Diagrams for A-Coated Lens (354430-A)**

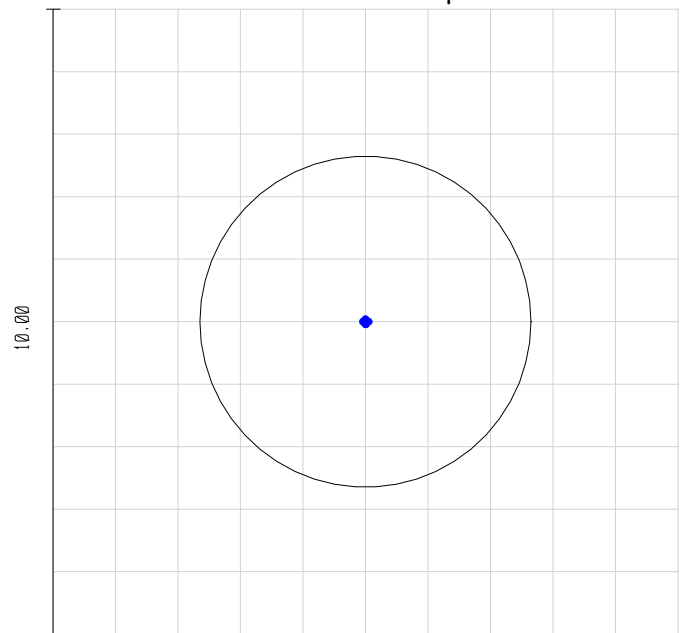
**633 nm**

RMS Radius = 0.03  $\mu\text{m}$



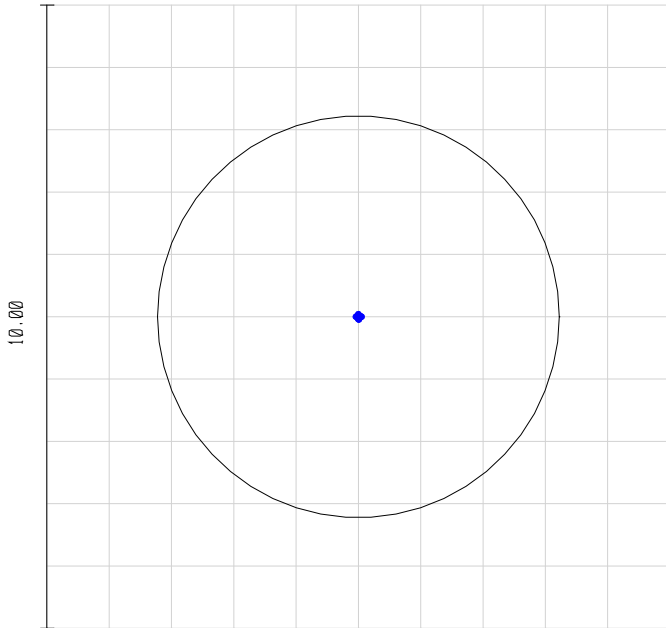
**670 nm**

RMS Radius = 0.03  $\mu\text{m}$

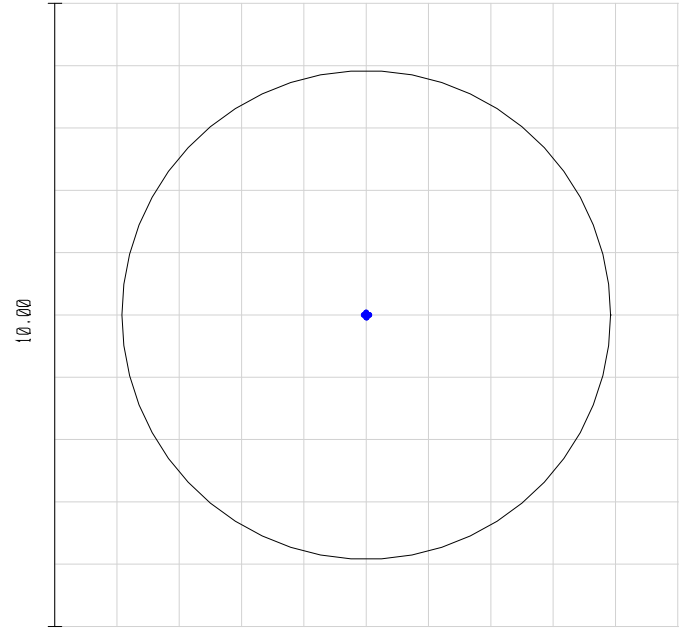


**Spot Diagrams for B-Coated Lens (354430-B)**

**810 nm**  
RMS Radius = 0.03  $\mu\text{m}$

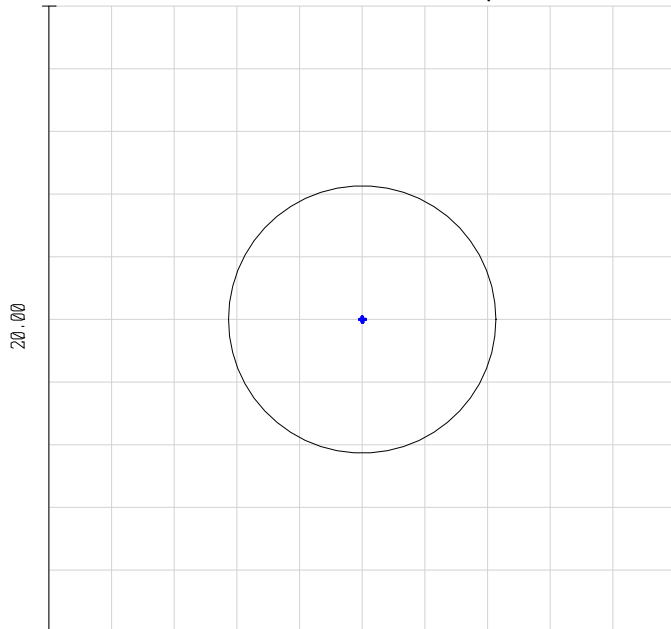


**980 nm**  
RMS Radius = 0.02  $\mu\text{m}$

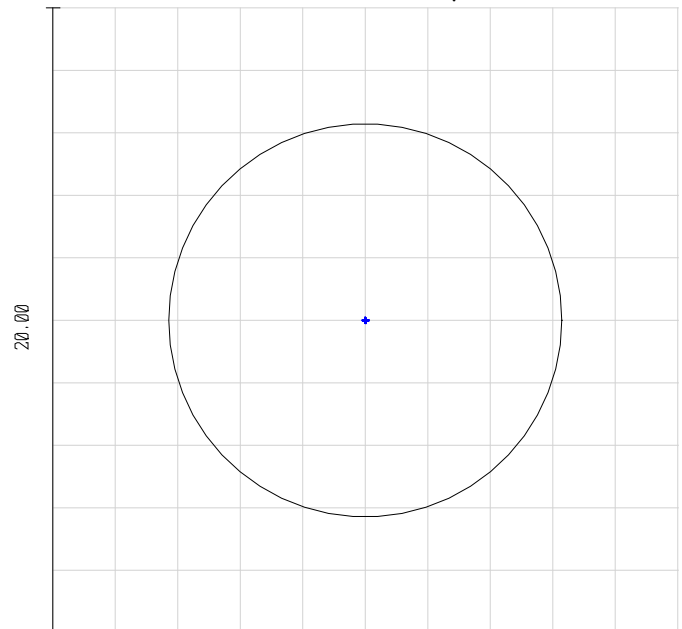


**Spot Diagrams for C-Coated Lens (354430-C)**

**1064 nm**  
RMS Radius = 0.02  $\mu\text{m}$



**1550 nm**  
RMS Radius = 0.012  $\mu\text{m}$



## Chromatic Focal Shift

Maximum Focal Shift Range: 362.79  $\mu\text{m}$  (350 – 1620 nm)

Diffraction Limited Range: 68.59  $\mu\text{m}$

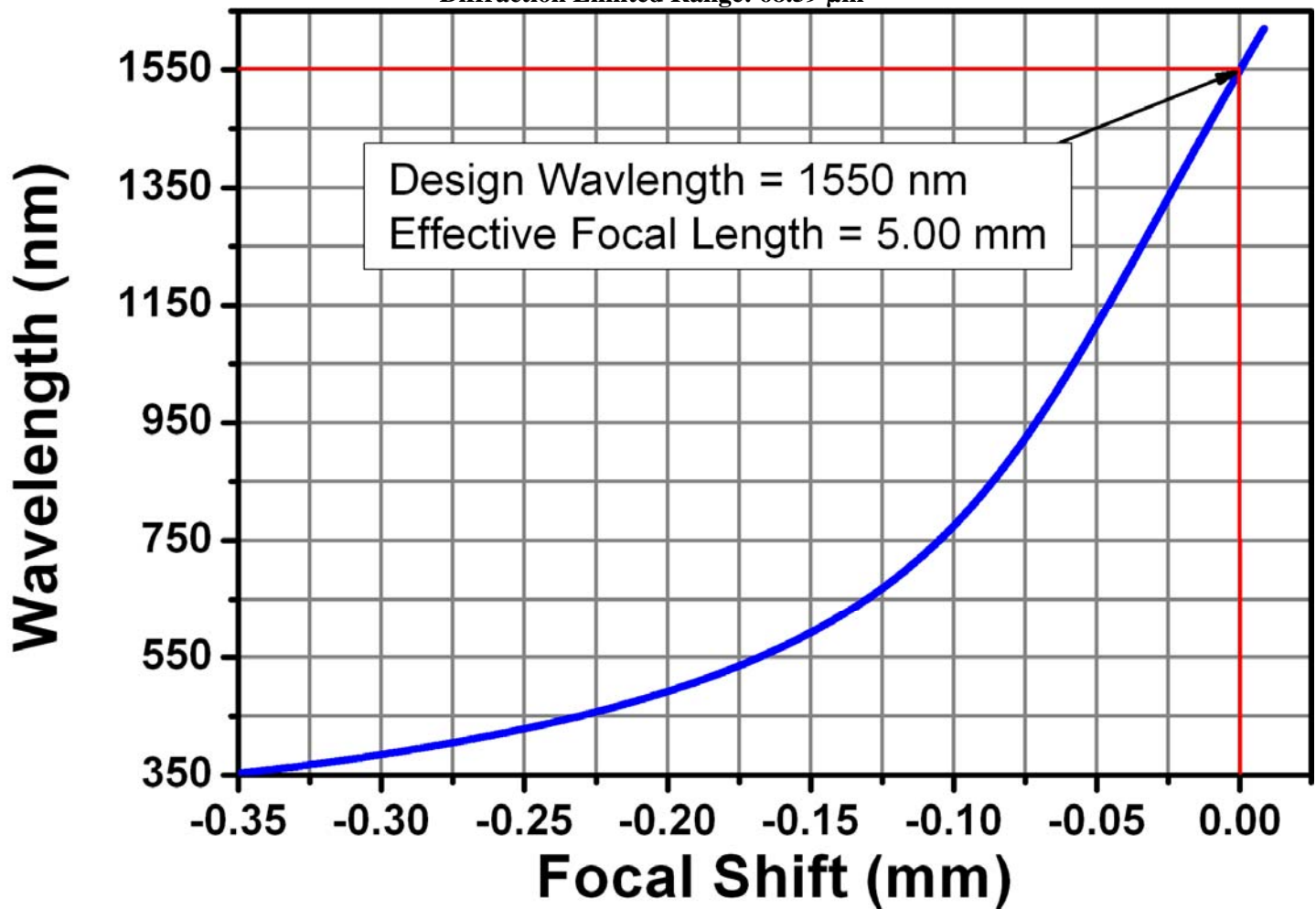


Table showing the focal length at various laser line wavelengths

Wavelength (nm)	Focal Length (mm)
405	4.711
633	4.858
670	4.869
780	4.896
810	4.902
830	4.906
980	4.930
1064	4.941
1550*	5.000