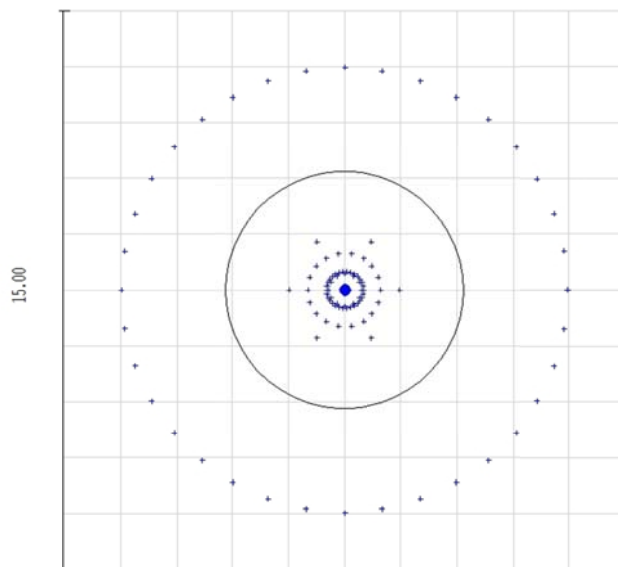


## Spot Diagrams for Laser Quality Molded Glass Aspheric Lens A280

### At Design Wavelength 780 nm

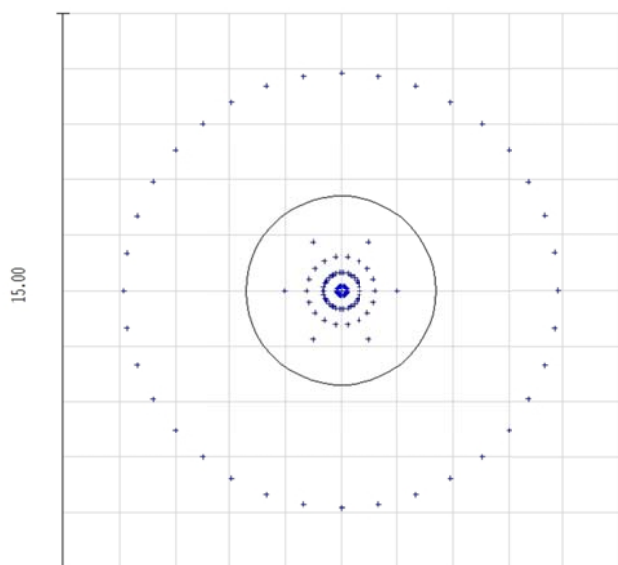
RMS Radius = 3.231  $\mu\text{m}$



### *Spot Diagrams for A-Coated Lens:*

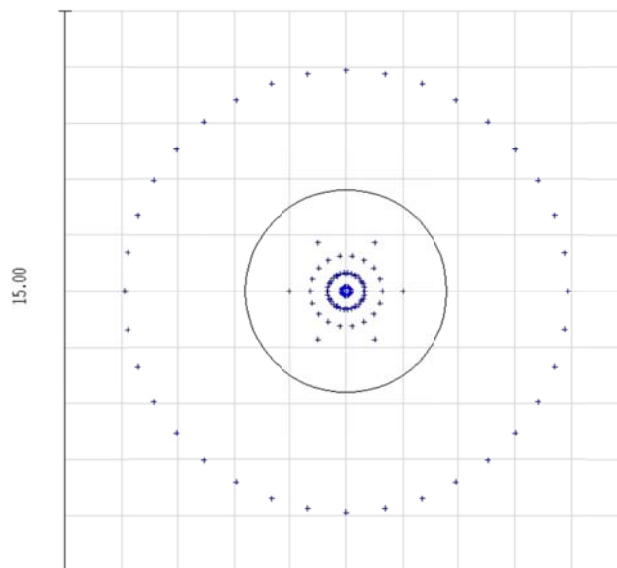
**633 nm**

RMS Radius = 3.182  $\mu\text{m}$



**670 nm**

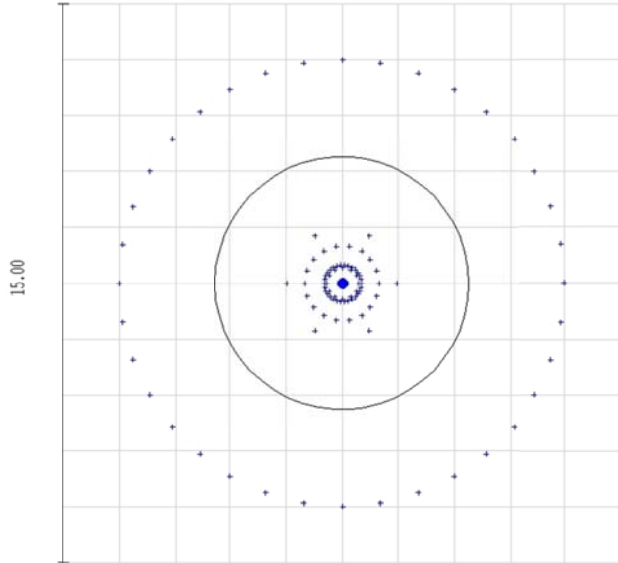
RMS Radius = 3.197  $\mu\text{m}$



## Spot Diagrams for B-Coated Lens:

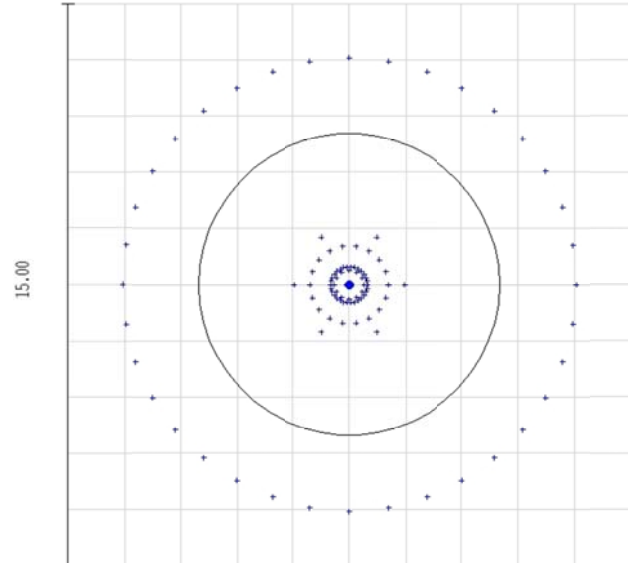
**830 nm**

RMS Radius = 3.243  $\mu\text{m}$



**980 nm**

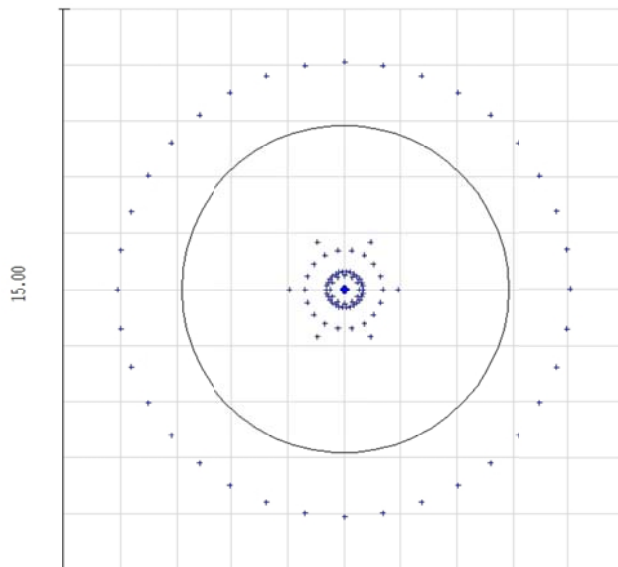
RMS Radius = 3.270  $\mu\text{m}$



## Spot Diagrams for C-Coated Lens:

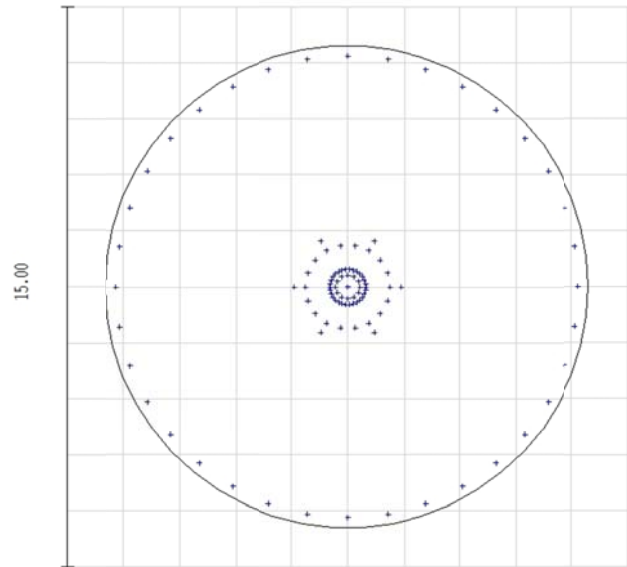
**1064 nm**

RMS Radius = 3.283  $\mu\text{m}$



**1550 nm**

RMS Radius = 3.343  $\mu\text{m}$



## Chromatic Focal Shift

Maximum Focal Shift Range: 625.36  $\mu\text{m}$  (350-1620 nm)

Diffraction Limited Range: 34.84  $\mu\text{m}$

## A280 Focal Length Shift

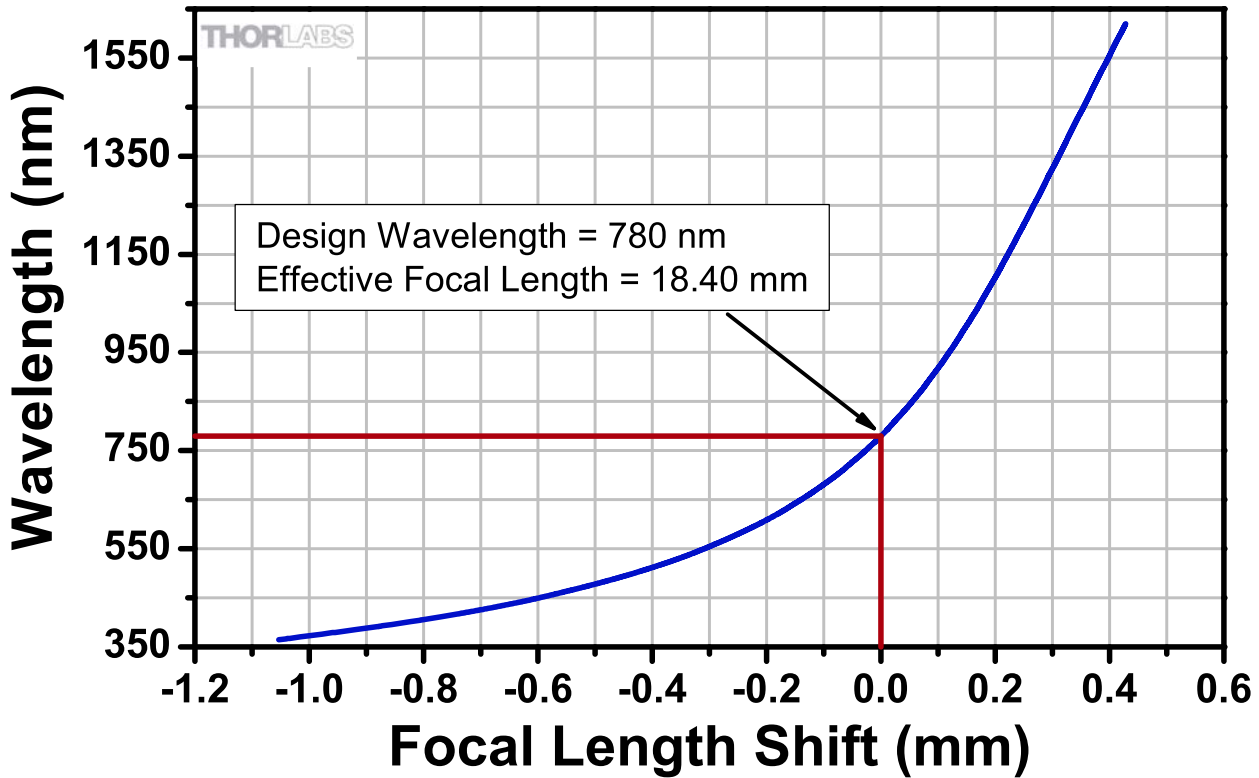


Table Showing Focal Length at Various Laser Line Wavelengths

Wavelength (nm)	Focal Length (mm)
405	17.60
633	18.24
670	18.28
780*	18.40
810	18.42
830	18.44
980	18.53
1064	18.58
1550	18.80

\*Design Wavelength