

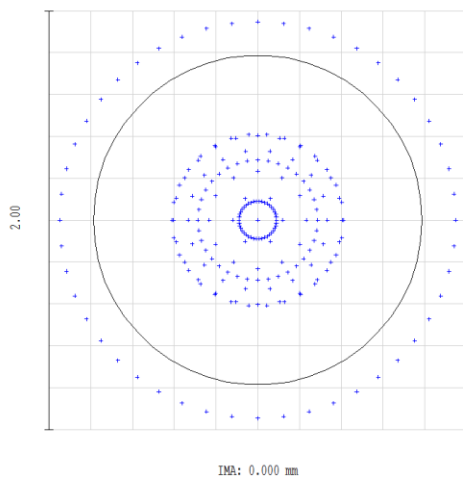
## Spot Diagrams for Laser Quality Molded Glass Aspheric Lens 355392

Note: Black circle on plots indicates Airy Disk.

### At Design Wavelength 830 nm

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RMS Radius: 0.517  $\mu\text{m}$

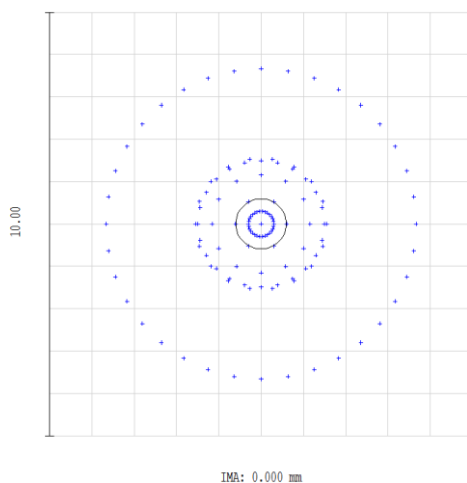


### Spot Diagrams for the A-Coated Lens (355392-A)

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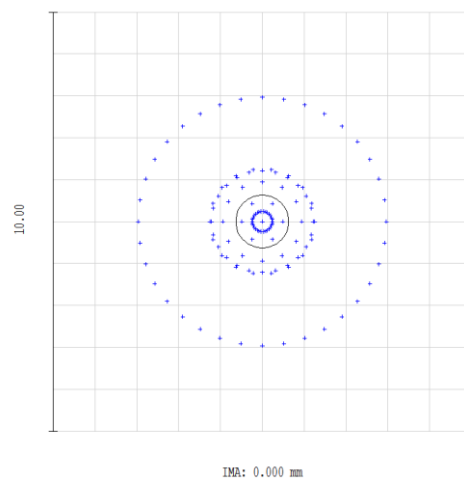
633 nm

RMS Radius 2.174  $\mu\text{m}$



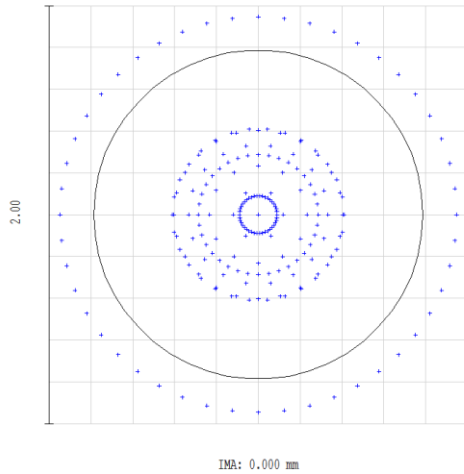
670 nm

RMS Radius 1.760  $\mu\text{m}$

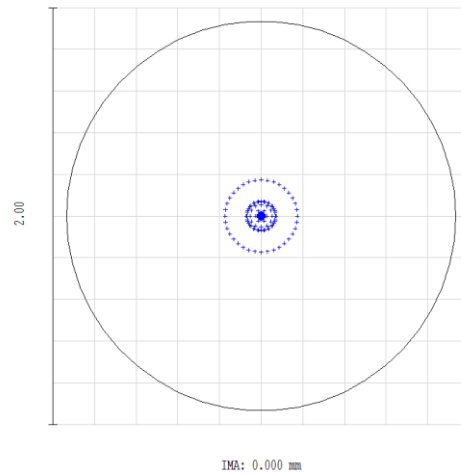


## Spot Diagrams for the B-Coated Lens (355392-B)

**830 nm**  
RMS Radius 0.517  $\mu\text{m}$

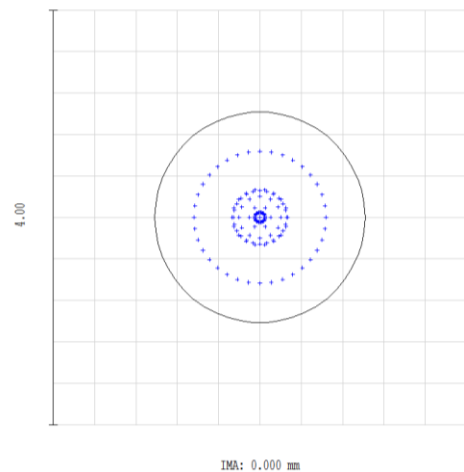


**980 nm**  
RMS Radius 0.102  $\mu\text{m}$

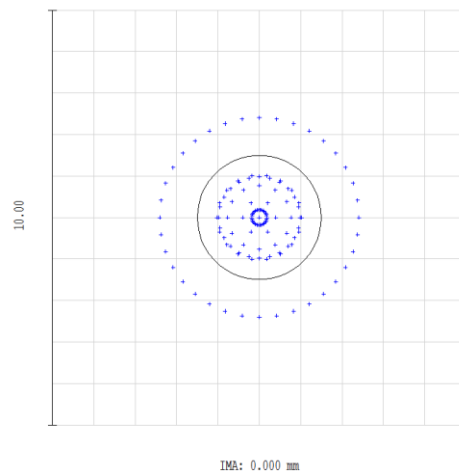


## Spot Diagrams for the C-Coated Lens (355392-C)

**1064 nm**  
RMS Radius 0.378  $\mu\text{m}$



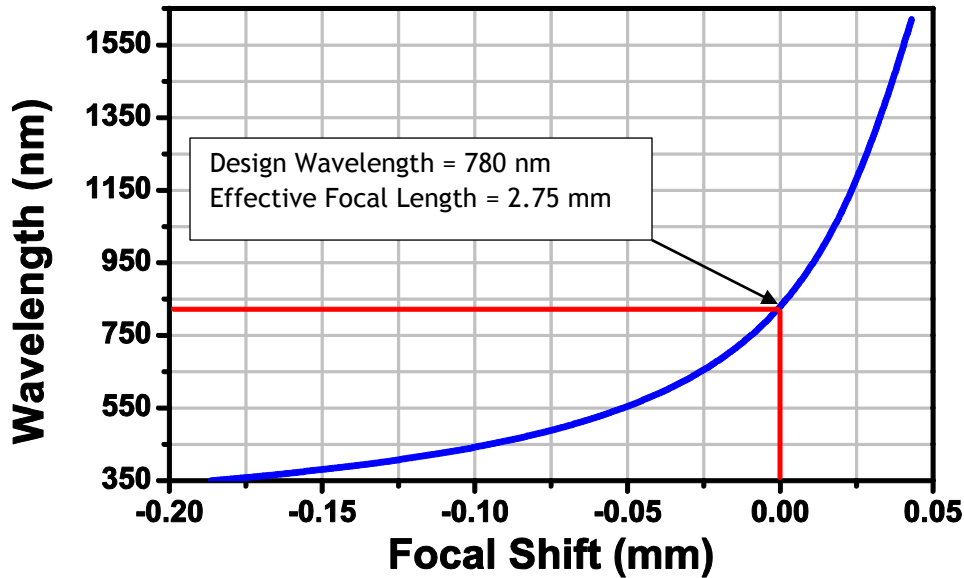
**1550 nm**  
RMS Radius 1.429  $\mu\text{m}$



## Chromatic Focal Shift

Maximum Focal Shift Range: 229.32  $\mu\text{m}$  (350 - 1620 nm)

Diffraction Limited Range: 2.006  $\mu\text{m}$



The table below shows the focal length at various laser line wavelengths.

Wavelength (nm)	Focal Length (mm)
405	2.62
633	2.72
670	2.73
780	2.74
810	2.75
830 <sup>1</sup>	2.75
980	2.76
1064	2.77
1550	2.79

1. Design Wavelength