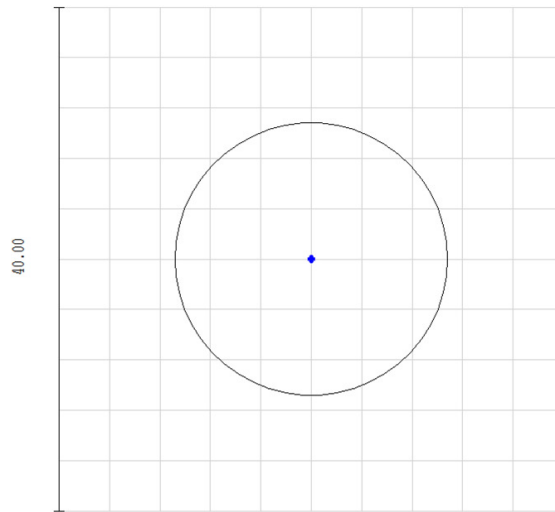


## Spot Diagrams and Focal Length Shift for Molded Glass IR Aspheric Lenses 390021 and C021TME

At Design Wavelength  $3.5 \mu\text{m}$

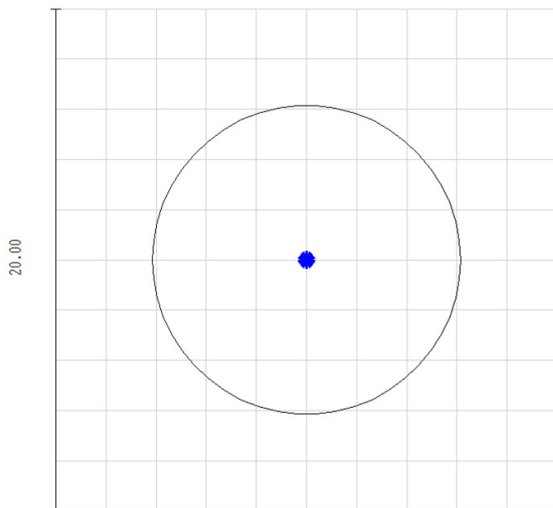
RMS Radius =  $0.061 \mu\text{m}$



### Spot Diagrams for D-Coated Lens (390021-D)

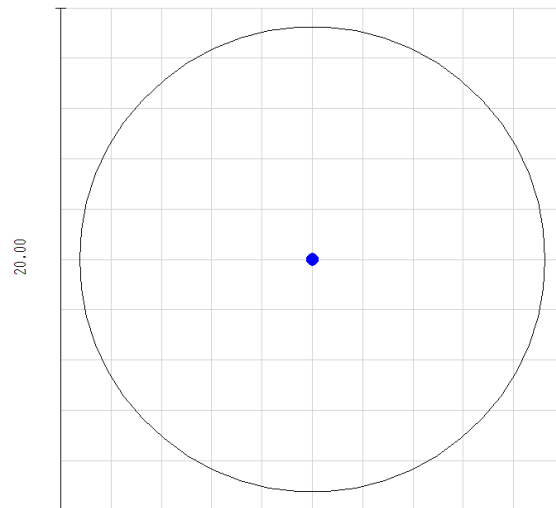
**2.0  $\mu\text{m}$**

RMS Radius =  $0.154 \mu\text{m}$



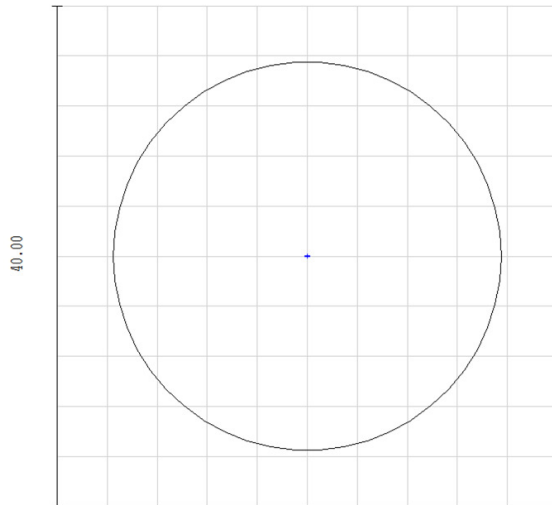
**3.0  $\mu\text{m}$**

RMS Radius =  $0.090 \mu\text{m}$



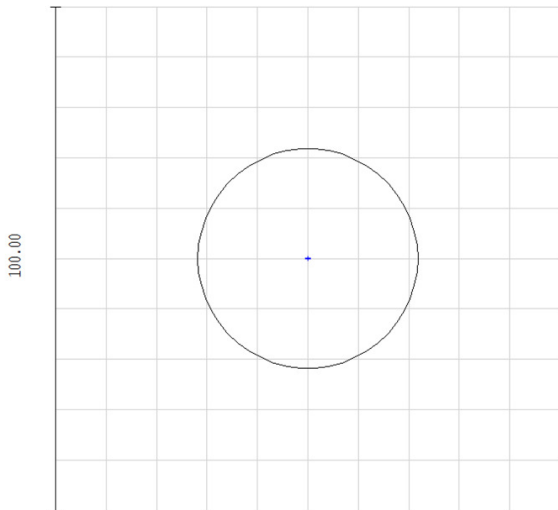
## Spot Diagram for E-Coated Lens (390021-E)

**5.0  $\mu\text{m}$**   
RMS Radius = 0.016  $\mu\text{m}$

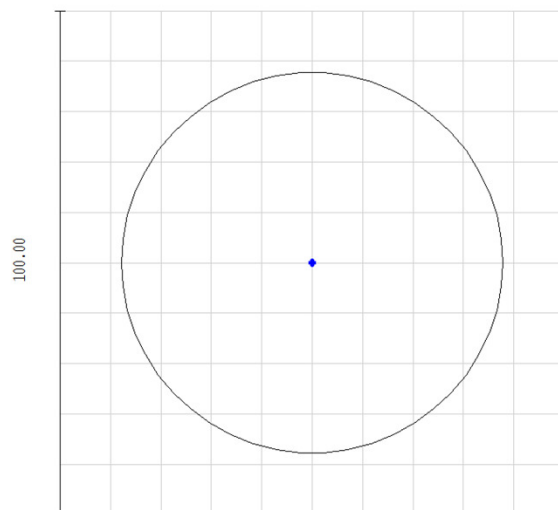


## Spot Diagrams for F-Coated Lens (390021-F)

**7.0  $\mu\text{m}$**   
RMS Radius = 0.055



**12.0  $\mu\text{m}$**   
RMS Radius = 0.215



## Chromatic Focal Shift

Maximum Focal Shift Range: 316.820  $\mu\text{m}$

Diffraction Limited Range: 89.873  $\mu\text{m}$

### 390021 Focal Length Shift

