Spot Diagrams for Laser Quality Molded Glass Aspheric Lens 352230

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 780 nm
RMS Radius = 0.22 µm

Spot Diagrams for A-Coated Lens (352230-A)

633 nm
RMS Radius = 1.45 µm

670 nm
RMS Radius = 1.07 µm
Spot Diagrams for B-Coated Lens (352230-B)

- **810 nm**
  - RMS Radius = 0.08 µm

- **980 nm**
  - RMS Radius = 0.71 µm

Spot Diagrams for C-Coated Lens (352230-C)

- **1064 nm**
  - RMS Radius = 0.99 µm

- **1550 nm**
  - RMS Radius = 2.20 µm
Chromatic Focal Shift

Maximum Focal Shift Range: 329.35 µm (350 – 1620 nm)
Diffraction Limited Range: 2.57 µm

Design Wavelength = 780 nm
Effective Focal Length = 4.51 mm

Table showing the focal length at various laser line wavelengths

<table>
<thead>
<tr>
<th>Wavelength (nm)</th>
<th>Focal Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>405</td>
<td>4.310</td>
</tr>
<tr>
<td>633</td>
<td>4.471</td>
</tr>
<tr>
<td>670</td>
<td>4.483</td>
</tr>
<tr>
<td>780(^1)</td>
<td>4.510</td>
</tr>
<tr>
<td>810</td>
<td>4.516</td>
</tr>
<tr>
<td>830</td>
<td>4.520</td>
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<tr>
<td>980</td>
<td>4.542</td>
</tr>
<tr>
<td>1064</td>
<td>4.551</td>
</tr>
<tr>
<td>1550</td>
<td>4.594</td>
</tr>
</tbody>
</table>

\(^1\) Design Wavelength