Spot Diagrams for Laser Quality Molded Glass Aspheric Lens 352671

Note: Black circle on plots indicates Airy Disk.

At Design Wavelength 408 nm
RMS Radius = 0.57 µm

Spot Diagrams for A-Coated Lens (352671-A)

633 nm
RMS Radius = 4.55 µm

670 nm
RMS Radius = 4.90 µm
Specifications subject to change without notice.

Spot Diagrams for B-Coated Lens (352671-B)

- **780 nm**
  - RMS Radius = 5.68 µm

- **980 nm**
  - RMS Radius = 6.54 µm

Spot Diagrams for C-Coated Lens (352671-C)

- **1064 nm**
  - RMS Radius = 2.60 µm

- **1550 nm**
  - RMS Radius = 7.91 µm
Chromatic Focal Shift
Maximum Focal Shift Range: 299.53 µm (350 – 1620 nm)
Diffraction Limited Range: 1.13 µm

Design Wavelength = 408 nm
Effective Focal Length = 4.02 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>408&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4.020</td>
</tr>
<tr>
<td>633</td>
<td>4.151</td>
</tr>
<tr>
<td>670</td>
<td>4.162</td>
</tr>
<tr>
<td>780</td>
<td>4.187</td>
</tr>
<tr>
<td>810</td>
<td>4.193</td>
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<tr>
<td>830</td>
<td>4.196</td>
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<tr>
<td>980</td>
<td>4.216</td>
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<tr>
<td>1064</td>
<td>4.225</td>
</tr>
<tr>
<td>1550</td>
<td>4.265</td>
</tr>
</tbody>
</table>

<sup>1</sup> Design Wavelength