Intensity just behind the lens array.


Cross section of intensity at the focus


Intensity distribution at the focus of the lenses


LightPipes for Python,
Shack_HartmannDemo.py
size $=5.00 \mathrm{~mm}$
$\lambda=632.80 \mathrm{~nm}$
$\mathrm{N}=2000$
Diameter lenses: 0.45 mm
separation lenses in $x: 0.50 \mathrm{~mm}$
separation lenses in y: 0.50 mm
number of lenses per row: 9
focal lengths of the lenses: 4.00 cm
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