



3.3016cm = 5 arcmin

5.0745cm = 7.6849

=> Total 42.6849 arcmin

wavelength = 500nm?

n=1.462

[http://www.corning.com/docs/specialtymaterials/pisheets/H0607\\_hpfs\\_Standard\\_ProductSheet.pdf](http://www.corning.com/docs/specialtymaterials/pisheets/H0607_hpfs_Standard_ProductSheet.pdf)

$\theta=0.00849252$  [rad], 0.487 deg

$$\begin{aligned}
 2\alpha &= 20 \text{ arcmin} \\
 \beta &= \arcsin[(\sin \alpha) * n] \\
 \gamma' &= 2\theta - \beta \\
 \phi &= \arcsin[(\sin \gamma) / n] \\
 \alpha + \phi &= 42.6849 \text{ arcmin}
 \end{aligned}$$

