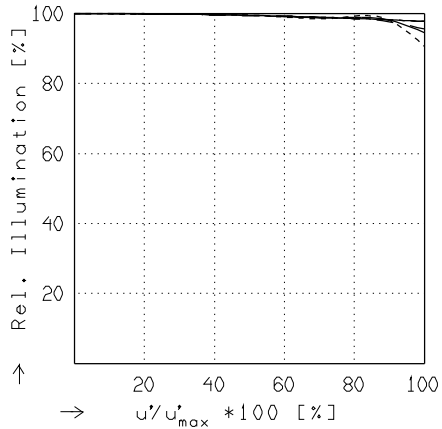
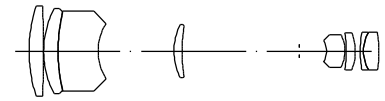


XENOPLAN 1:4/0.13

$f' = -235638. \text{mm}$ $\beta_p = 3.080$
 $s_F = -940902. \text{mm}$ $s_{EP} = -1017398. \text{mm}$
 $s_{F'} = 59069. \text{mm}$ $s_{A'P} = 784917. \text{mm}$
 $HH' = 1471464. \text{mm}$ $\Sigma d = 218.2 \text{ mm}$

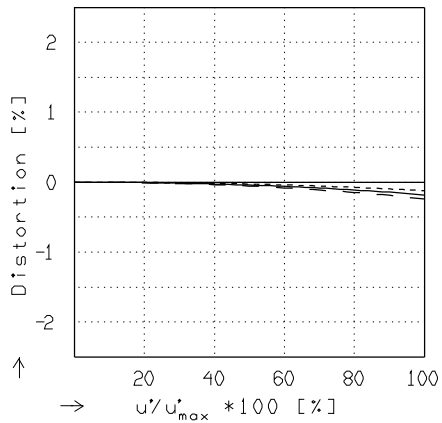


RELATIVE ILLUMINATION

The relative illumination is shown for the given focal distances or magnifications.

$f / 3.7$ $f / 8.0$

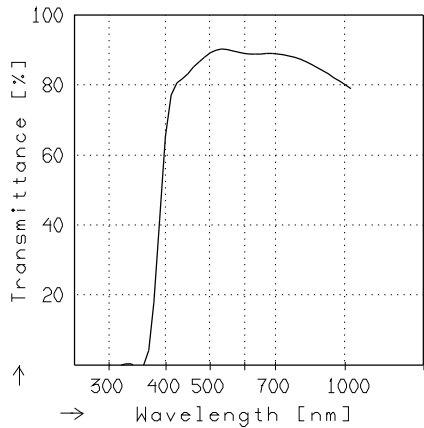
— $\beta' = -0.2505$ $u'_{max} = 5.5$ $00' = 443.$
 - - $\beta' = -0.2505$ $u'_{max} = 5.5$ $00' = 415.$
 - - - $\beta' = -0.2505$ $u'_{max} = 5.5$ $00' = 472.$



DISTORTION

Distortion is shown for the given focal distances or magnifications. Positive values indicate pincushion distortion and negative values barrel distortion.

— $\beta' = -0.2505$ $u'_{max} = 5.5$ $00' = 443.$
 - - $\beta' = -0.2505$ $u'_{max} = 5.5$ $00' = 415.$
 - - - $\beta' = -0.2505$ $u'_{max} = 5.5$ $00' = 472.$



TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.