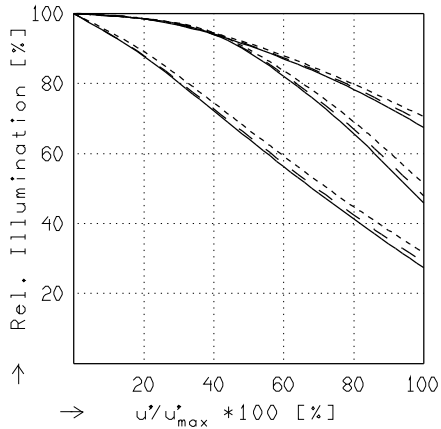
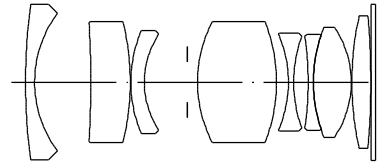


APO-XENOPLAN 2/20

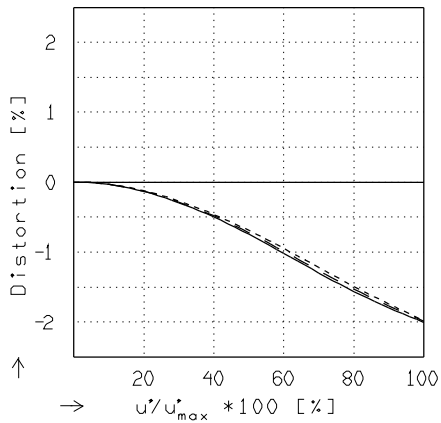
$f' = 20.5 \text{ mm}$ $\beta_p = 2.964$
 $s_F = 5.6 \text{ mm}$ $s_{EP} = 12.5 \text{ mm}$
 $s_{F'} = 23.8 \text{ mm}$ $s_{AP} = -37.1 \text{ mm}$
 $HH' = 23.4 \text{ mm}$ $\Sigma d = 46.3 \text{ mm}$



RELATIVE ILLUMINATION

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

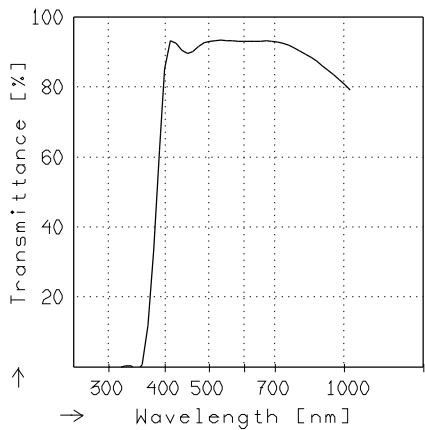
	$f / 2.0$	$f / 2.8$	$f / 5.6$
— $\beta' = -0.0200$	$u'_{max} = 11.8$	$u'_{max} = 11.8$	$00' = 1092.$
- - $\beta' = -0.0500$	$u'_{max} = 11.8$	$u'_{max} = 11.8$	$00' = 476.$
- · - $\beta' = -0.1000$	$u'_{max} = 11.8$	$u'_{max} = 11.8$	$00' = 272.$



DISTORTION

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

— $\beta' = -0.0200$	$u'_{max} = 11.8$	$00' = 1092.$
- - $\beta' = -0.0500$	$u'_{max} = 11.8$	$00' = 476.$
- · - $\beta' = -0.1000$	$u'_{max} = 11.8$	$00' = 272.$



TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.