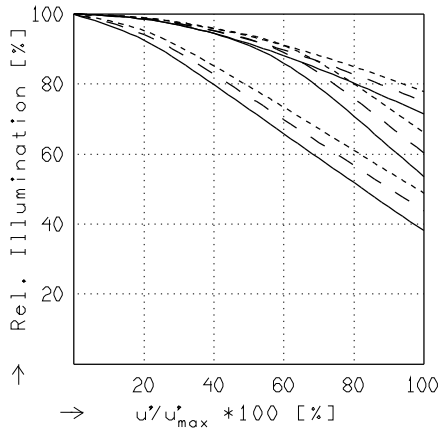
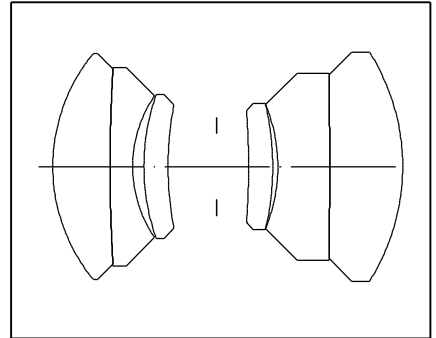


R 4839.1 APO-CPN 4.5/90

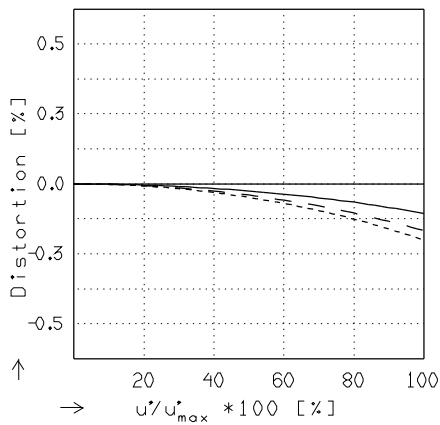
$f' = 90.8 \text{ mm}$ $\beta_p' = 1.011$
 $s_F = -66.7 \text{ mm}$ $s_{EP} = 23.1 \text{ mm}$
 $s_{F'} = 67.9 \text{ mm}$ $s_{A'P} = -23.9 \text{ mm}$
 $HH' = -3.6 \text{ mm}$ $\Sigma d = 43.5 \text{ mm}$



RELATIVE ILLUMINATION

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

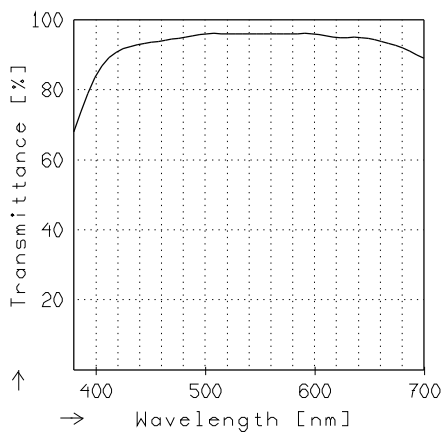
	$f / 4.5$	$f / 5.6$	$f / 8.0$
—	$\beta' = -0.2000$	$u'_{\max} = 45.0$	$00' = 650.$
- -	$\beta' = -0.3000$	$u'_{\max} = 44.9$	$00' = 508.$
----	$\beta' = -0.4000$	$u'_{\max} = 44.9$	$00' = 441.$



DISTORTION

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

—	$\beta' = -0.2000$	$u'_{\max} = 44.9$	$00' = 650.$
- -	$\beta' = -0.3000$	$u'_{\max} = 44.9$	$00' = 508.$
----	$\beta' = -0.4000$	$u'_{\max} = 44.9$	$00' = 441.$



TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.