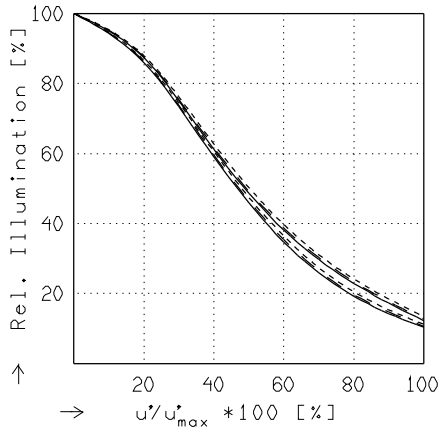
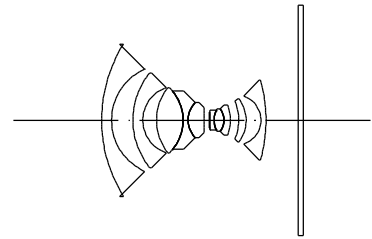


R4946.1 APO-DIGITAR 5.6/28

$f' = 29.0 \text{ mm}$      $\beta_p = 0.955$   
 $s_F = -4.0 \text{ mm}$      $s_{EP} = 26.3 \text{ mm}$   
 $s_{F'} = 0.8 \text{ mm}$      $s_{AP} = -26.9 \text{ mm}$   
 $HH' = 27.9 \text{ mm}$      $\Sigma d = 81.1 \text{ mm}$

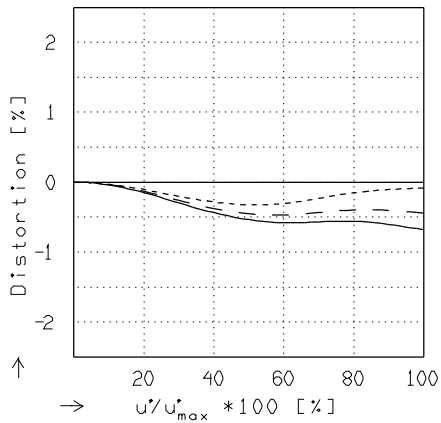


RELATIVE ILLUMINATION

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

$f / 5.7$      $f / 8.0$

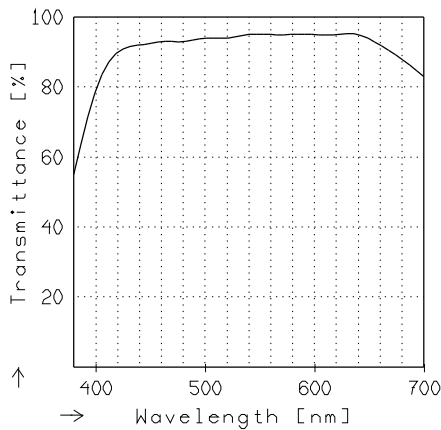
—	$\beta' = 0.0000$	$u'_{max} = 44.7$	$00' = \infty$
- -	$\beta' = -0.0120$	$u'_{max} = 44.8$	$00' = 2500.$
- - -	$\beta' = -0.0317$	$u'_{max} = 45.0$	$00' = 1000.$



DISTORTION

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

—	$\beta' = 0.0000$	$u'_{max} = 45.0$	$00' = \infty$
- -	$\beta' = -0.0120$	$u'_{max} = 45.0$	$00' = 2500.$
- - -	$\beta' = -0.0317$	$u'_{max} = 45.0$	$00' = 1000.$



TRANSMITTANCE

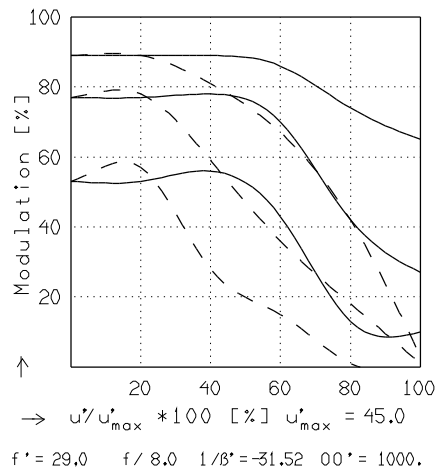
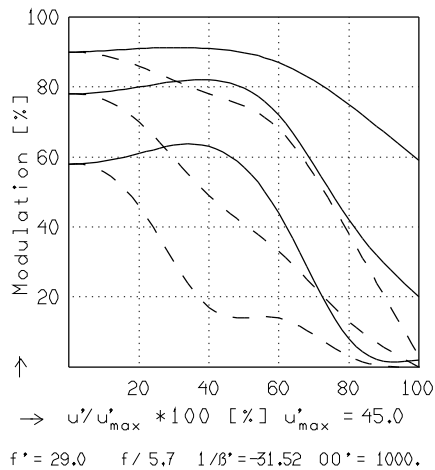
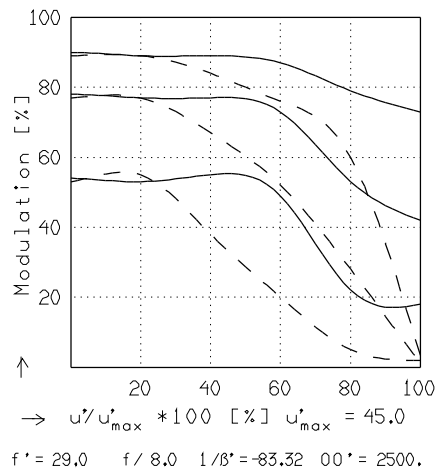
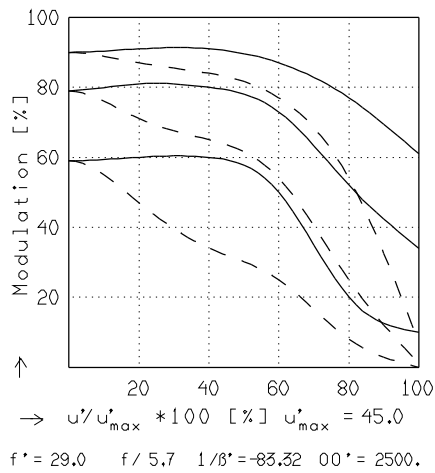
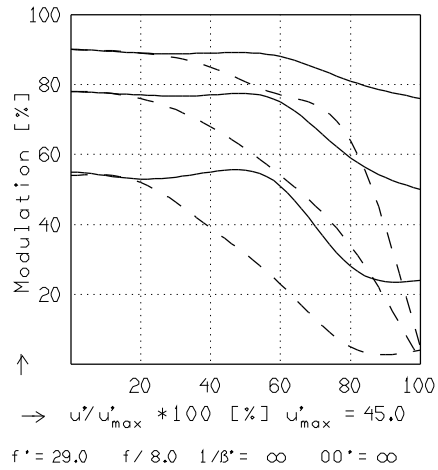
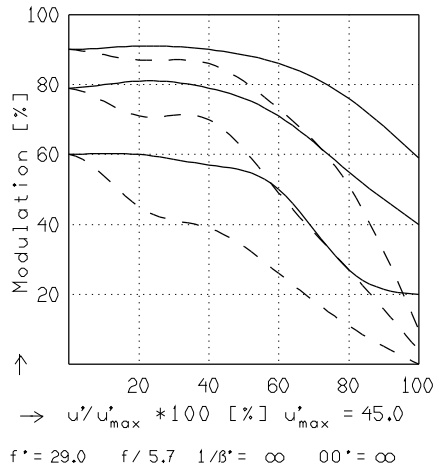
Relative spectral transmittance is shown with reference to wavelength.

R4946.1 APO-DIGITAR 5.6/28

MODULATION with reference to the relative image height

Wavelength $\lambda$	[nm]	546	644	588	486	436	436
Spectral weighting	[%]	28.7	18.9	25.8	19.2	7.4	0.0
Spatial frequency R	[1/mm]	15	30	60			
Image- $\emptyset$ f / 5.7	[mm]	90.0					
Image- $\emptyset$ f / 8.0	[mm]	90.0					

radial —  
 tangential - -



Focusing :  $MTF_{max}$  at f / 5.6 , R = 60 1/mm,  $u'/u'_{max} = 0$