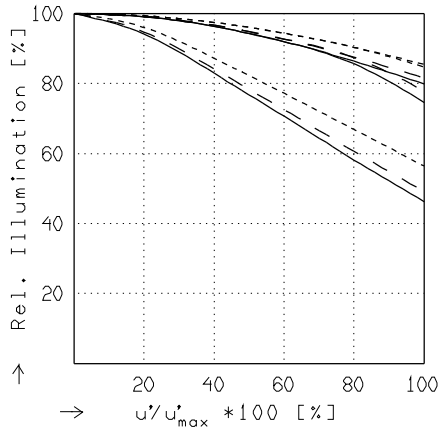
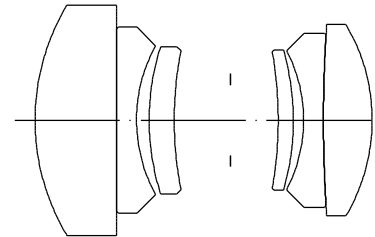


## Apo-Digitar 5.6/180

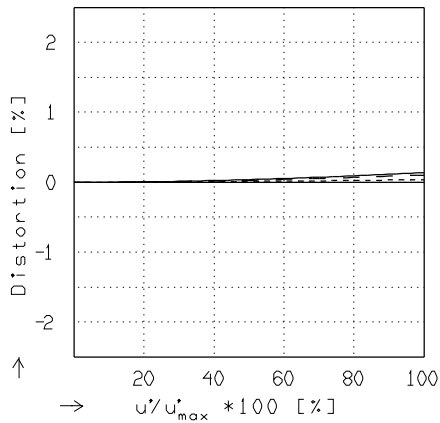
$$\begin{aligned}
 f' &= 180.1 \text{ mm} & \beta_p' &= 0.982 \\
 s_F &= -145.5 \text{ mm} & s_{EP} &= 37.9 \text{ mm} \\
 s_{F'} &= 149.8 \text{ mm} & s_{AP}' &= -27.0 \text{ mm} \\
 HH' &= -3.6 \text{ mm} & \Sigma d &= 61.3 \text{ mm}
 \end{aligned}$$



### RELATIVE ILLUMINATION

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

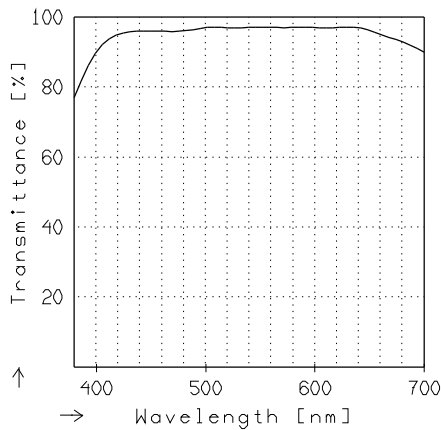
	f / 5.8	f / 8.0	f / 11.0
—	$\beta' = 0.0000$	$u'_{\max} = 60.1$	$00' = \infty$
- -	$\beta' = -0.0500$	$u'_{\max} = 60.1$	$00' = 3968.$
- · - ·	$\beta' = -0.2000$	$u'_{\max} = 60.0$	$00' = 1293.$



### DISTORTION

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

—	$\beta' = 0.0000$	$u'_{\max} = 60.0$	$00' = \infty$
- -	$\beta' = -0.0500$	$u'_{\max} = 60.0$	$00' = 3968.$
- · - ·	$\beta' = -0.2000$	$u'_{\max} = 60.0$	$00' = 1293.$



### TRANSMITTANCE

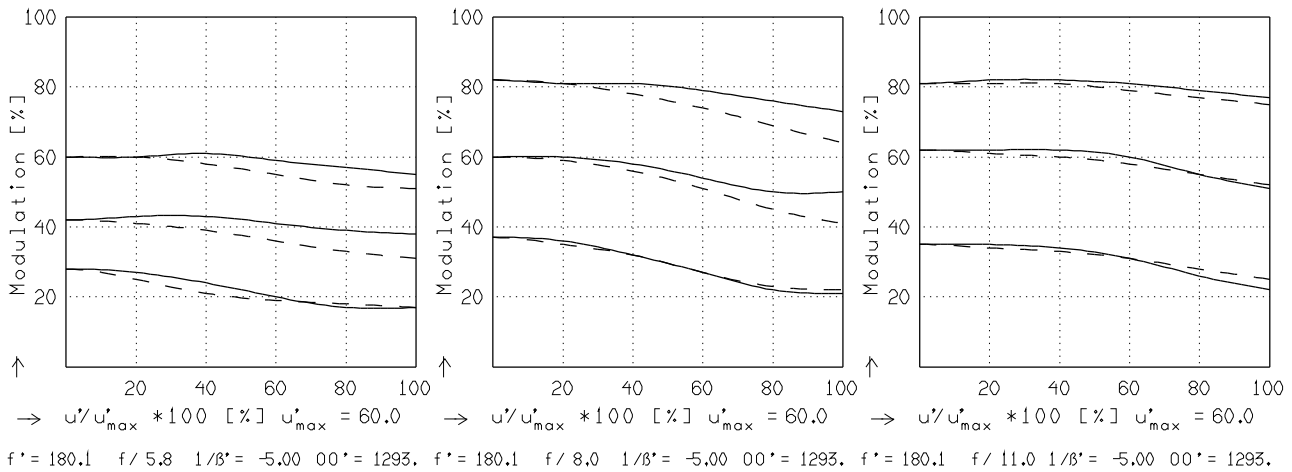
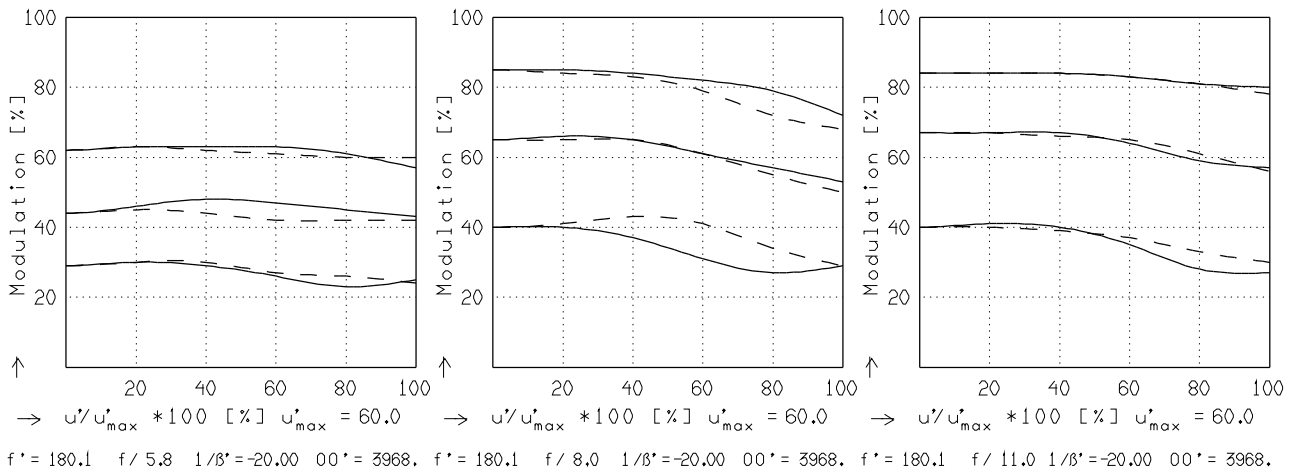
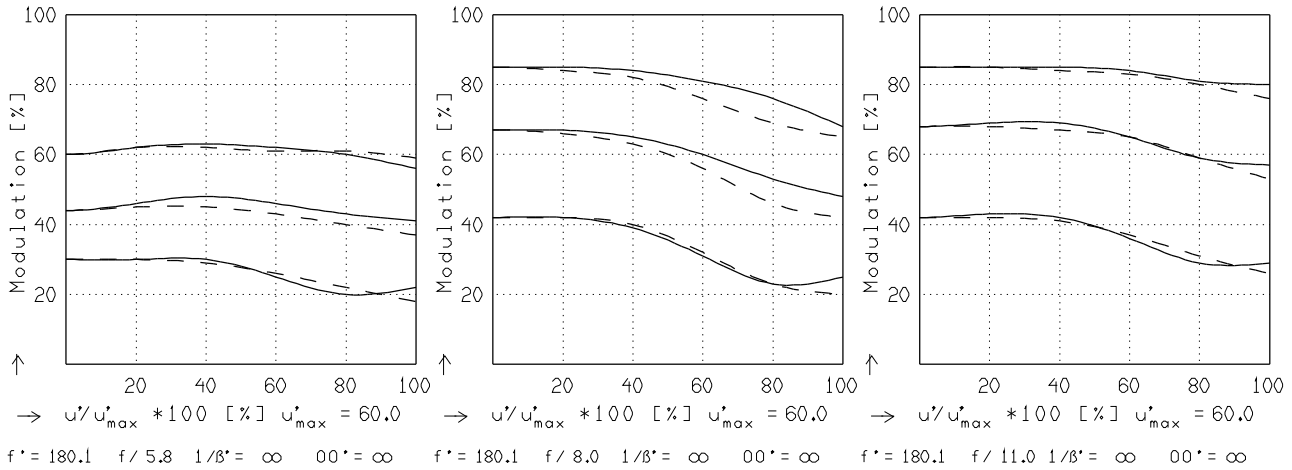
Relative spectral transmittance is shown with reference to wavelength.

# Apo-Digitar 5.6/180

MODULATION with reference to the relative image height

Wavelength $\lambda$	[nm] :	520	670	620	570	470	420
Spectral weighting	[%] :	19.0	10.0	19.0	19.0	19.0	14.0
Spatial frequency R	[1/mm] :	15	30	60			
Format	[mm X mm] :	36.0	X 48.0				
Diagonal $2u'$	[mm] :	120.0					

radial —  
tangential - -



Focusing :  $MTF_{max}$  at  $f / 5.8$  ,  $R = 25$  1/mm,  $u'/u'_{max} = 0$