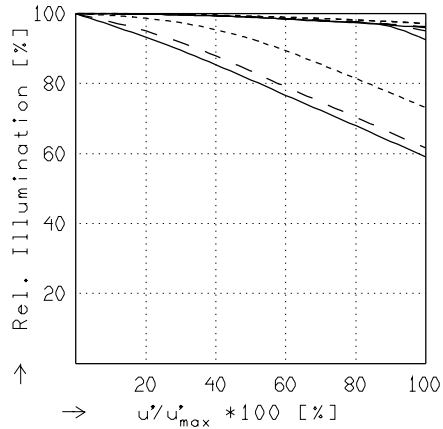
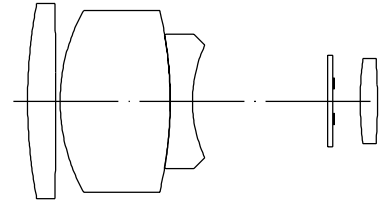


## TELE-XENAR 2.2/70MM

$f' = 70.0 \text{ mm}$      $\beta_p = 0.506$   
 $s_F = -26.1 \text{ mm}$      $s_{EP} = 112.2 \text{ mm}$   
 $s_{F'} = 28.9 \text{ mm}$      $s_{AP} = -6.6 \text{ mm}$   
 $HH' = -26.0 \text{ mm}$      $\Sigma d = 59.1 \text{ mm}$

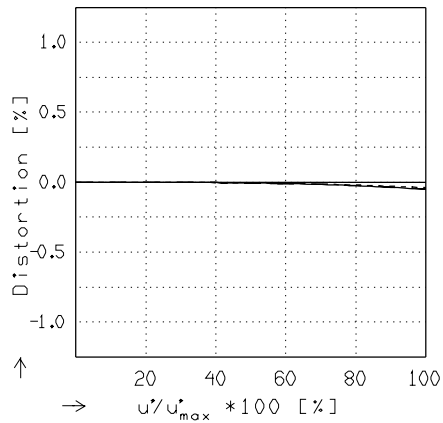


### RELATIVE ILLUMINATION

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

$f / 2.2$      $f / 4.0$      $f / 8.0$

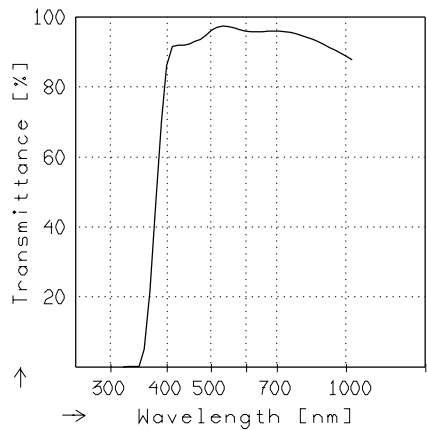
—  $\beta' = 0.0000$      $u'_{max} = 5.5$      $00' = \infty$   
 - -  $\beta' = -0.0200$      $u'_{max} = 5.5$      $00' = 3617.$   
 - · -  $\beta' = -0.1000$      $u'_{max} = 5.5$      $00' = 821.$



### DISTORTION

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

—  $\beta' = 0.0000$      $u'_{max} = 5.5$      $00' = \infty$   
 - -  $\beta' = -0.0200$      $u'_{max} = 5.5$      $00' = 3617.$   
 - · -  $\beta' = -0.1000$      $u'_{max} = 5.5$      $00' = 821.$



### TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

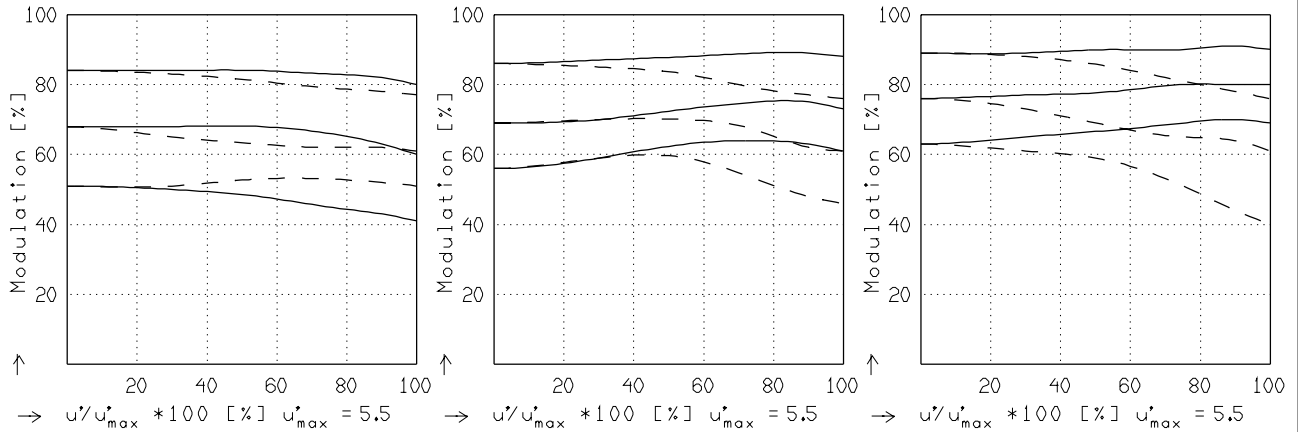
Jos. Schneider Optische Werke GmbH  
 Ringstrasse 132 55543 Bad Kreuznach Germany

TELE-XENAR 2.2/70MM

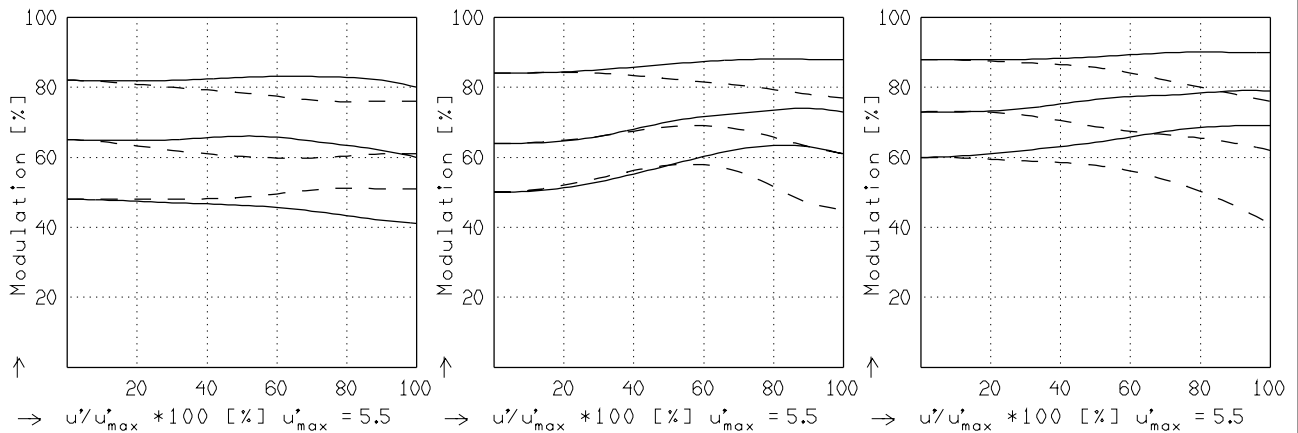
MODULATION with reference to the relative image height

Wavelength $\lambda$	[nm] :	587	940	820	707	480	405
Spectral weighting	[%] :	28.8	12.2	14.9	23.6	12.8	7.7
Spatial frequency R	[1/mm] :	10	20	30			
Format	[mm X mm] :	6.6	X	8.8			
Diagonal $2u'$	[mm] :	11.0					

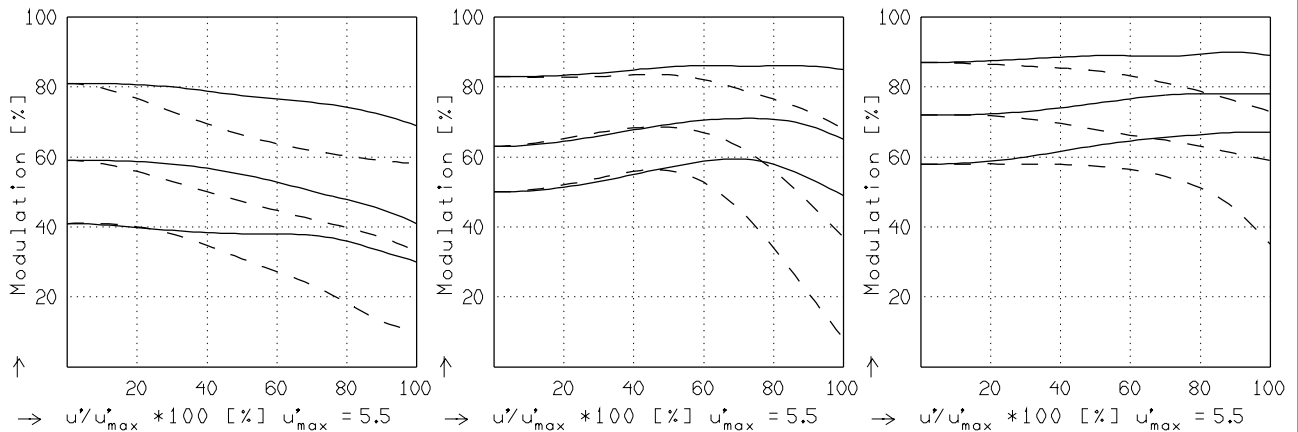
radial —  
tangential - -



$f' = 70.0$   $f / 2.2$   $1/\beta' = \infty$   $00' = \infty$      $f' = 70.0$   $f / 4.0$   $1/\beta' = \infty$   $00' = \infty$      $f' = 70.0$   $f / 8.0$   $1/\beta' = \infty$   $00' = \infty$



$f' = 70.0$   $f / 2.2$   $1/\beta' = -50.00$   $00' = 3618.$      $f' = 70.0$   $f / 4.0$   $1/\beta' = -50.00$   $00' = 3618.$      $f' = 70.0$   $f / 8.0$   $1/\beta' = -50.00$   $00' = 3618.$



$f' = 70.0$   $f / 2.2$   $1/\beta' = -10.00$   $00' = 822.$      $f' = 70.0$   $f / 4.0$   $1/\beta' = -10.00$   $00' = 822.$      $f' = 70.0$   $f / 8.0$   $1/\beta' = -10.00$   $00' = 822.$

Focusing :  $MTF_{max}$  at  $f / 2.2$  ,  $R = 30$  1/mm,  $u'/u'_{max} = 0$

