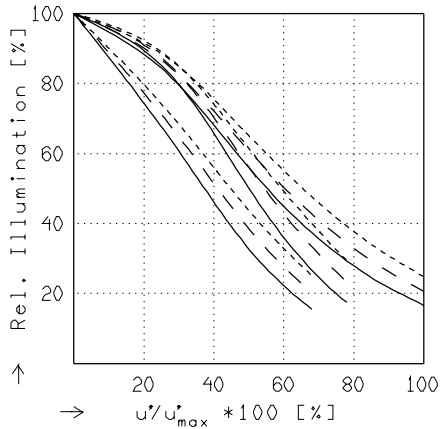
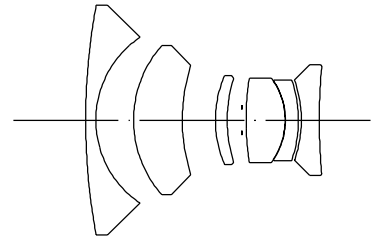


**SUPER-SYMMAR XL 5.6/210 ASPH.**

$f' = 209.2 \text{ mm}$      $\beta_p = 1.030$   
 $s_F = -151.7 \text{ mm}$      $s_{EP} = 51.4 \text{ mm}$   
 $s_{F'} = 191.8 \text{ mm}$      $s_{AP} = -23.5 \text{ mm}$   
 $HH' = 35.8 \text{ mm}$      $\Sigma d = 110.6 \text{ mm}$

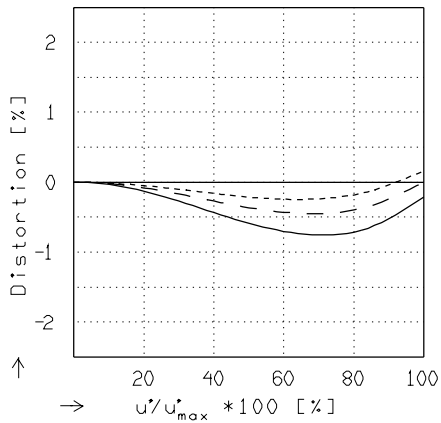


**RELATIVE ILLUMINATION**

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

$f / 5.6$      $f / 8.0$      $f / 22.0$

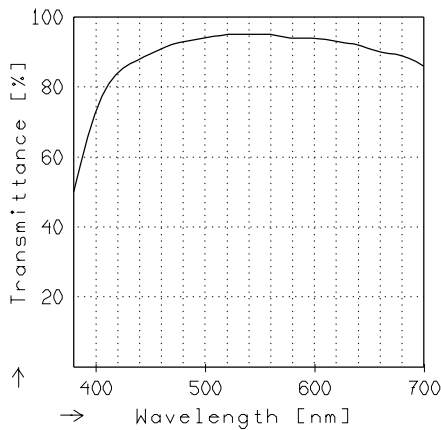
—  $\beta' = 0.0000$      $u'_{max} = 249.5$      $00' = \infty$   
 - -  $\beta' = -0.1000$      $u'_{max} = 250.0$      $00' = 2567.$   
 - · -  $\beta' = -0.2000$      $u'_{max} = 250.4$      $00' = 1542.$



**DISTORTION**

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

—  $\beta' = 0.0000$      $u'_{max} = 249.5$      $00' = \infty$   
 - -  $\beta' = -0.1000$      $u'_{max} = 250.0$      $00' = 2567.$   
 - · -  $\beta' = -0.2000$      $u'_{max} = 250.4$      $00' = 1542.$



**TRANSMITTANCE**

Relative spectral transmittance is shown with reference to wavelength.

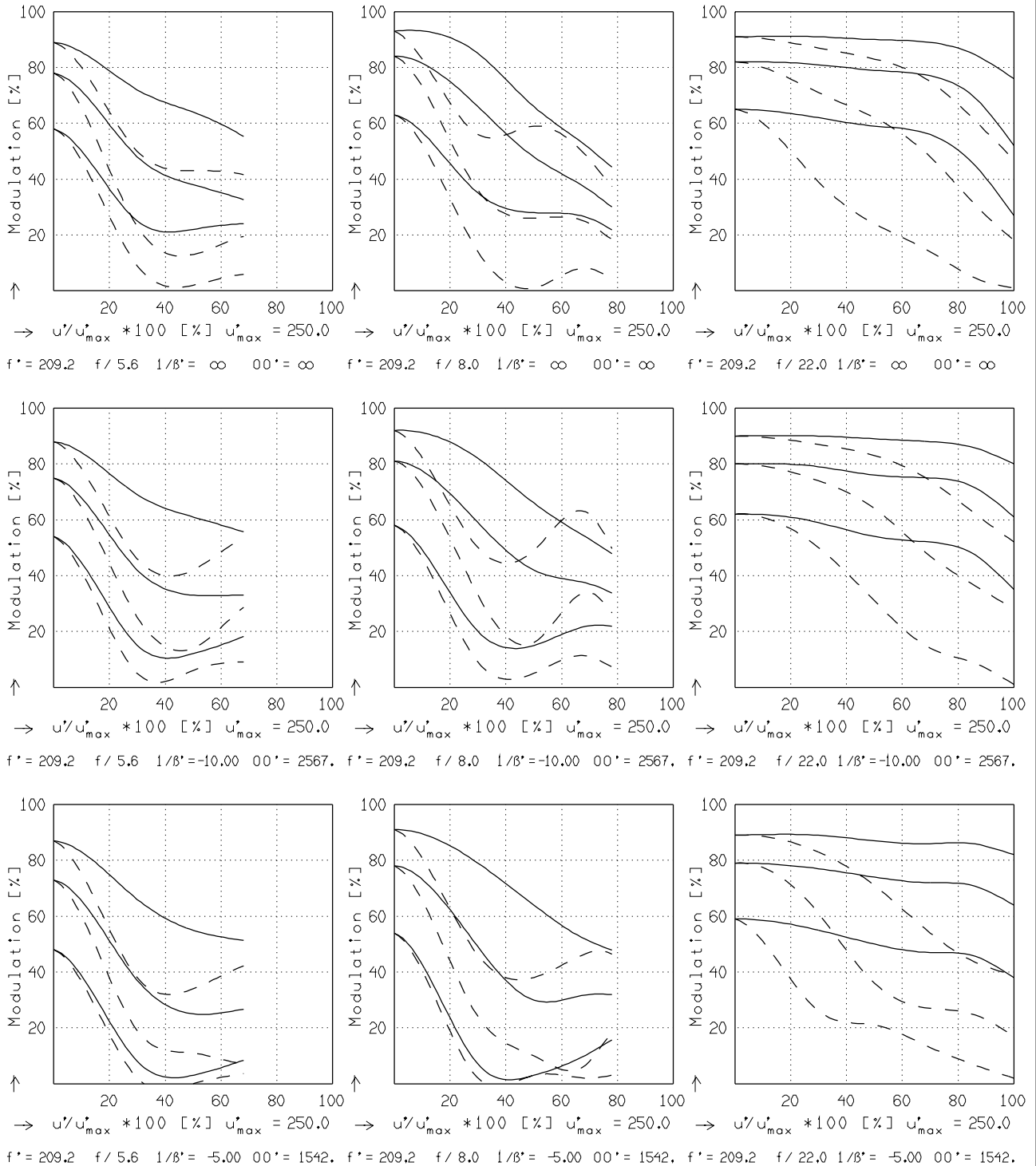
Jos. Schneider Optische Werke GmbH  
 Ringstrasse 132 55543 Bad Kreuznach Germany

**SUPER-SYMMAR XL 5.6/210 ASPH.**

**MODULATION** with reference to the relative image height

Wavelength $\lambda$	[nm]	546	644	588	480	436	405
Spectral weighting	[%]	24.6	18.6	22.1	12.4	15.2	7.1
Spatial frequency R	[1/mm]	5	10	20			
Format	[mm X mm]	300.0	X400.0				
Diagonal $2u'$	[mm]	500.0					

radial —  
tangential - -



Focusing :  $MTF_{max}$  at  $f / 5.6$  ,  $R = 20$  1/mm,  $u'/u'_{max} = 0$