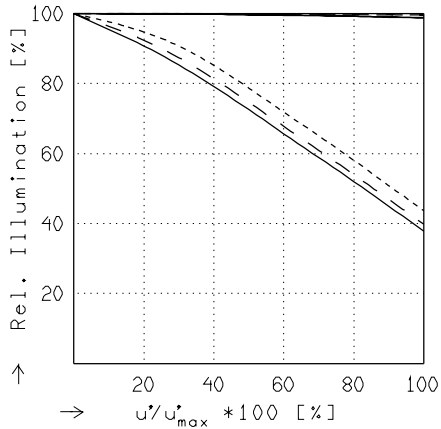
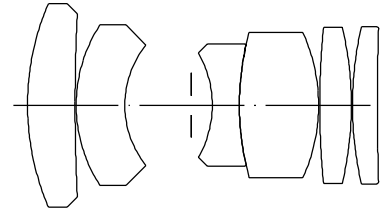


# XENOPLAN 1.4/23MM

$f' = 22.5 \text{ mm}$      $\beta_p = 2.271$   
 $s_F = 10.2 \text{ mm}$      $s_{EP} = 20.1 \text{ mm}$   
 $s_{F'} = 15.0 \text{ mm}$      $s_{AP} = -36.1 \text{ mm}$   
 $HH' = -9.3 \text{ mm}$      $\Sigma d = 30.9 \text{ mm}$

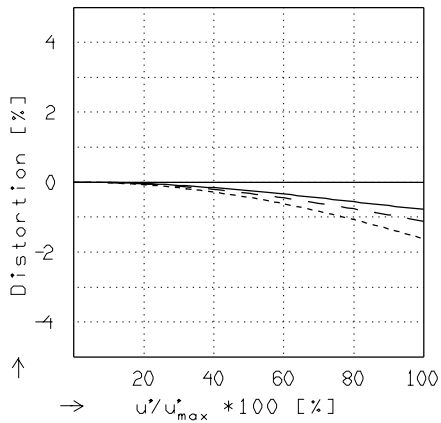


## RELATIVE ILLUMINATION

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

$f / 1.5$      $f / 4.0$      $f / 8.0$

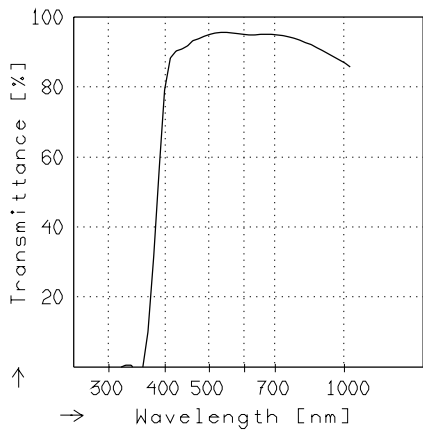
—  $\beta' = -0.0200$      $u'_{max} = 5.5$      $00' = 1162.$   
 - -  $\beta' = -0.0500$      $u'_{max} = 5.5$      $00' = 487.$   
 - · -  $\beta' = -0.1000$      $u'_{max} = 5.5$      $00' = 263.$



## DISTORTION

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

—  $\beta' = -0.0200$      $u'_{max} = 5.5$      $00' = 1162.$   
 - -  $\beta' = -0.0500$      $u'_{max} = 5.5$      $00' = 487.$   
 - · -  $\beta' = -0.1000$      $u'_{max} = 5.5$      $00' = 263.$

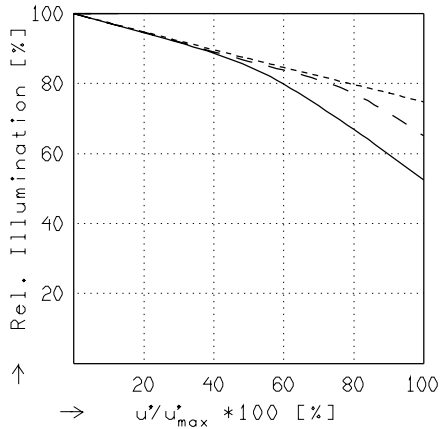
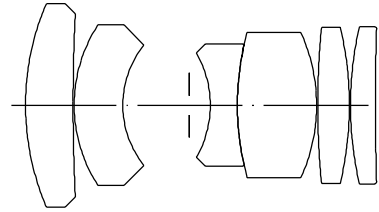


## TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

# XENOPLAN 1.4/23MM

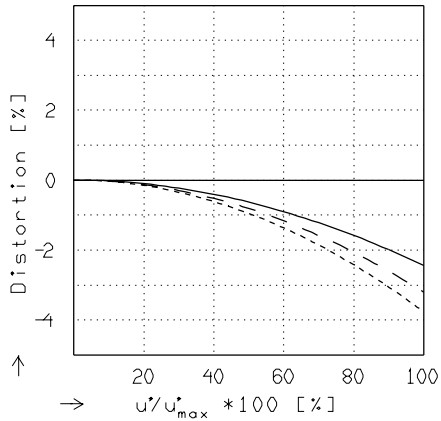
$f' = 22.5 \text{ mm}$      $\beta_p = 2.271$   
 $s_F = 10.2 \text{ mm}$      $s_{EP} = 20.1 \text{ mm}$   
 $s_{F'} = 15.0 \text{ mm}$      $s_{AP} = -36.1 \text{ mm}$   
 $HH' = -9.3 \text{ mm}$      $\Sigma d = 30.9 \text{ mm}$



## RELATIVE ILLUMINATION

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

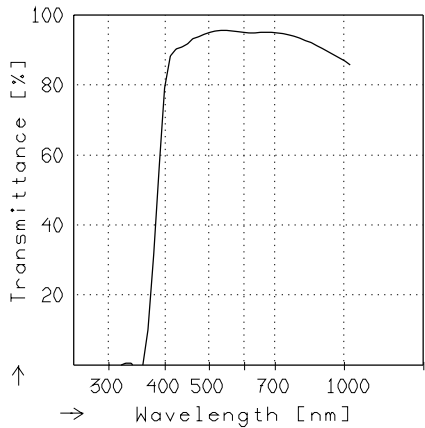
	$f / 1.5$	$f / 4.0$	$f / 8.0$
— $\beta' = -0.2000$	$u'_{max} = 5.5$	$u'_{max} = 5.5$	$00' = 153.$
- - $\beta' = -0.3333$	$u'_{max} = 5.5$	$u'_{max} = 5.5$	$00' = 111.$
- · - $\beta' = -0.5000$	$u'_{max} = 5.4$	$u'_{max} = 5.4$	$00' = 92.$



## DISTORTION

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

— $\beta' = -0.2000$	$u'_{max} = 5.5$	$00' = 153.$
- - $\beta' = -0.3333$	$u'_{max} = 5.5$	$00' = 111.$
- · - $\beta' = -0.5000$	$u'_{max} = 5.4$	$00' = 92.$



## TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.