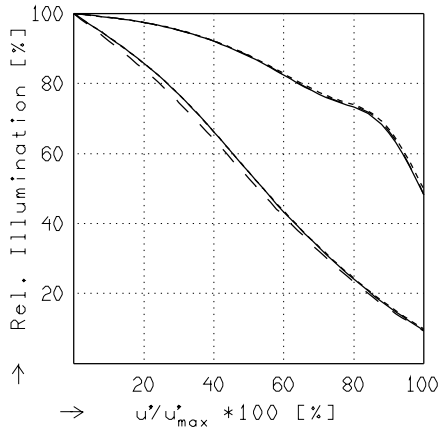
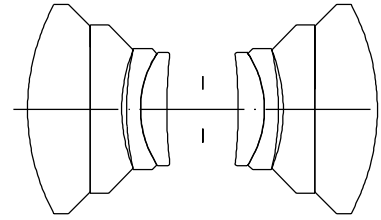


MAKRO-SYMMAR 5.6/120

$f' = 119.9 \text{ mm}$ $\beta_p = 1.000$
 $s_F = -93.9 \text{ mm}$ $s_{EP} = 26.0 \text{ mm}$
 $s_{F'} = 93.9 \text{ mm}$ $s_{AP} = -26.0 \text{ mm}$
 $HH' = -1.5 \text{ mm}$ $\Sigma d = 50.5 \text{ mm}$

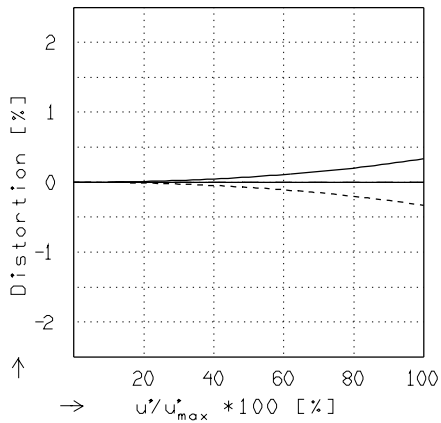


RELATIVE ILLUMINATION

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

$f / 5.6$ $f / 16.0$

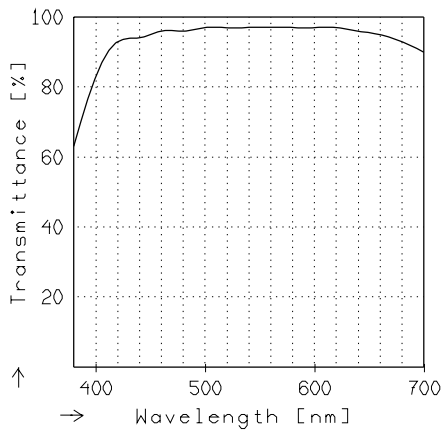
—	$\beta' = -0.5000$	$u'_{max} = 93.8$	$00' = 538.$
- -	$\beta' = -1.0000$	$u'_{max} = 125.0$	$00' = 478.$
- · -	$\beta' = -2.0000$	$u'_{max} = 186.4$	$00' = 538.$



DISTORTION

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

—	$\beta' = -0.5000$	$u'_{max} = 93.8$	$00' = 538.$
- -	$\beta' = -1.0000$	$u'_{max} = 125.0$	$00' = 478.$
- · -	$\beta' = -2.0000$	$u'_{max} = 186.4$	$00' = 538.$



TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

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