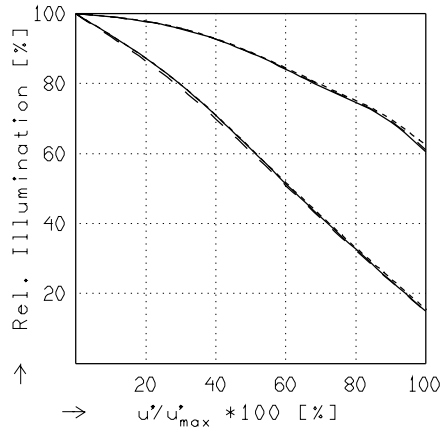
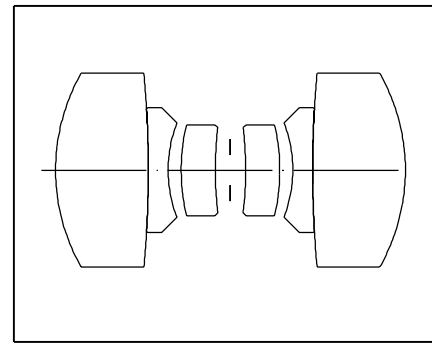


MAKRO-SYMMAR 5.6/80

$f' = 81.5 \text{ mm}$ $\beta_p = 1.000$
 $s_F = -59.6 \text{ mm}$ $s_{EP} = 21.9 \text{ mm}$
 $s_{F'} = 59.6 \text{ mm}$ $s_{A'P} = -21.9 \text{ mm}$
 $HH' = -1.0 \text{ mm}$ $\Sigma d = 42.7 \text{ mm}$

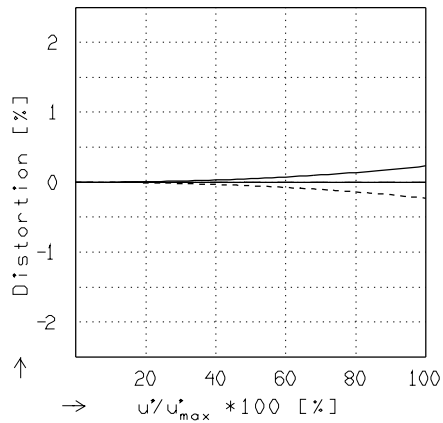


RELATIVE ILLUMINATION

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

$f / 5.6$ $f / 16.0$

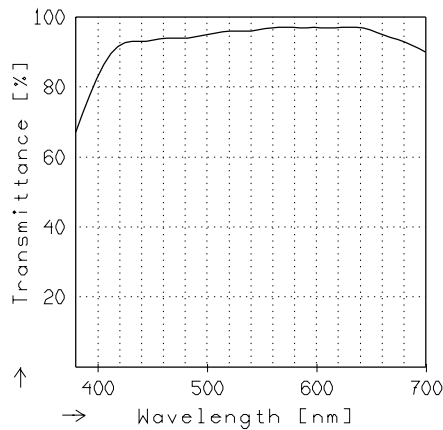
—	$\beta' = -0.5000$	$u'_{max} = 60.1$	$00' = 366.$
- -	$\beta' = -1.0000$	$u'_{max} = 80.0$	$00' = 325.$
- · - ·	$\beta' = -2.0000$	$u'_{max} = 119.2$	$00' = 366.$



DISTORTION

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

—	$\beta' = -0.5000$	$u'_{max} = 60.1$	$00' = 366.$
- -	$\beta' = -1.0000$	$u'_{max} = 80.0$	$00' = 325.$
- · - ·	$\beta' = -2.0000$	$u'_{max} = 119.2$	$00' = 366.$



TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

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