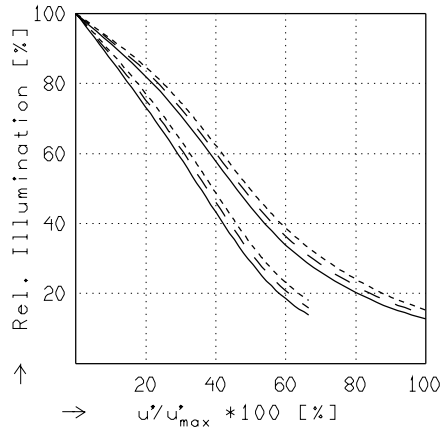
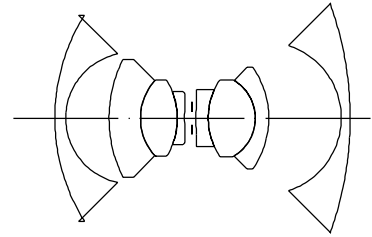


SUPER-ANGULON XL 5.6/47

$f' = 48.0 \text{ mm}$ $\beta_p = 0.995$
 $s_F = -31.2 \text{ mm}$ $s_{EP} = 17.0 \text{ mm}$
 $s_{F'} = 29.5 \text{ mm}$ $s_{AP} = -18.2 \text{ mm}$
 $HH' = 24.8 \text{ mm}$ $\Sigma d = 60.0 \text{ mm}$

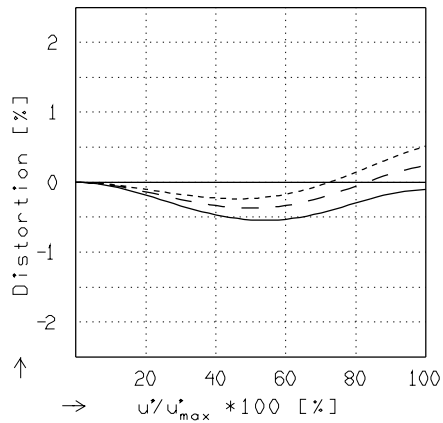


RELATIVE ILLUMINATION

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

$f / 5.6$ $f / 22.0$

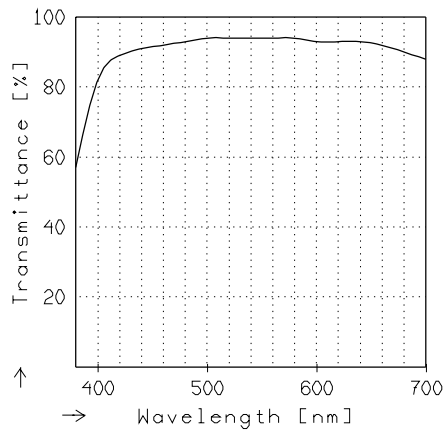
—	$\beta' = 0.0000$	$u'_{max} = 82.9$	$00' = \infty$
- -	$\beta' = -0.0500$	$u'_{max} = 83.2$	$00' = 1082.$
- · - ·	$\beta' = -0.1000$	$u'_{max} = 83.4$	$00' = 605.$



DISTORTION

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

—	$\beta' = 0.0000$	$u'_{max} = 82.9$	$00' = \infty$
- -	$\beta' = -0.0500$	$u'_{max} = 83.2$	$00' = 1082.$
- · - ·	$\beta' = -0.1000$	$u'_{max} = 83.4$	$00' = 605.$



TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

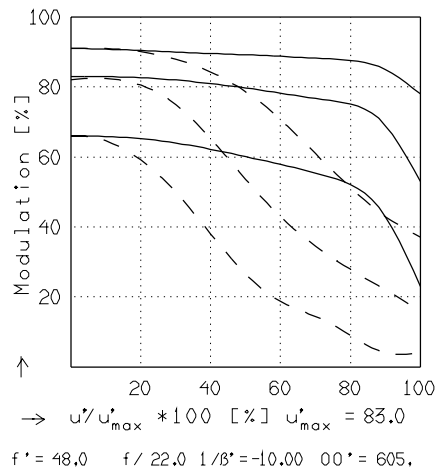
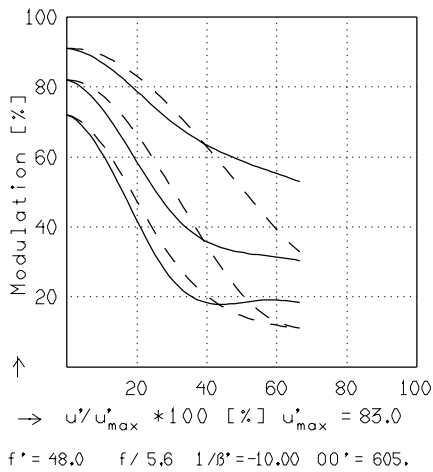
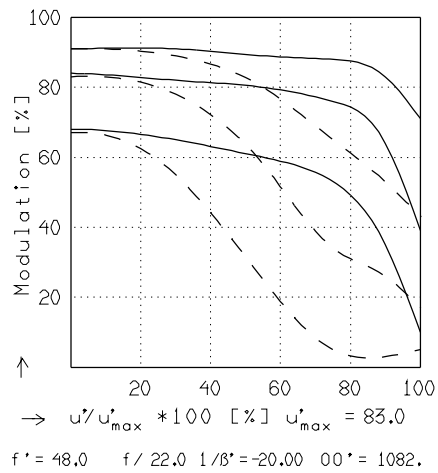
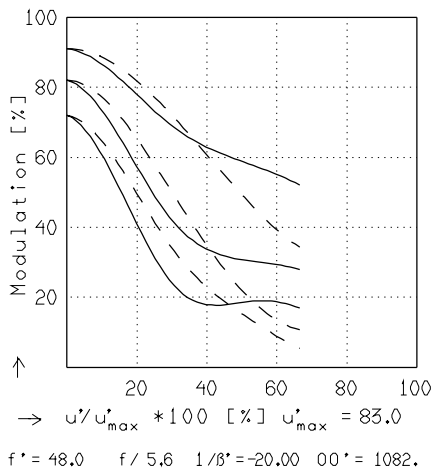
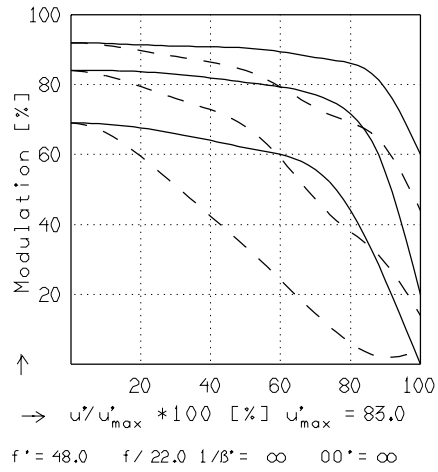
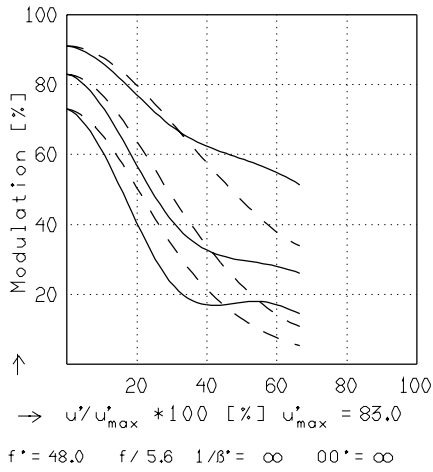
Jos. Schneider Optische Werke GmbH
 Ringstrasse 132 55543 Bad Kreuznach Germany

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MODULATION with reference to the relative image height

Wavelength λ	[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			
Image- \emptyset f / 5.6	[mm]	110.4					
Image- \emptyset f / 22.0	[mm]	166.0					

radial —
 tangential - -



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