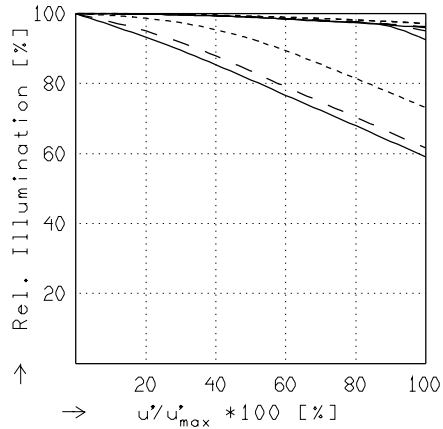
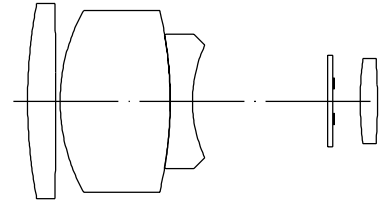


TELE-XENAR 2.2/70MM

$f' = 70.0 \text{ mm}$ $\beta_p = 0.506$
 $s_F = -26.1 \text{ mm}$ $s_{EP} = 112.2 \text{ mm}$
 $s_{F'} = 28.9 \text{ mm}$ $s_{AP} = -6.6 \text{ mm}$
 $HH' = -26.0 \text{ mm}$ $\Sigma d = 59.1 \text{ mm}$

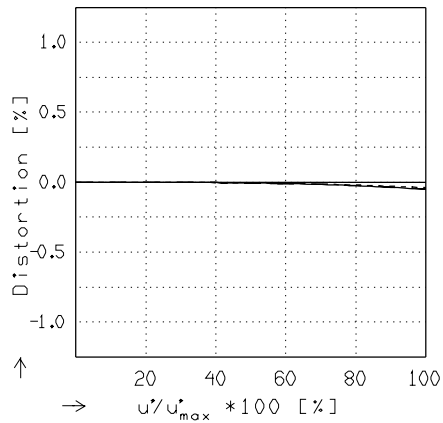


RELATIVE ILLUMINATION

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

$f / 2.2$ $f / 4.0$ $f / 8.0$

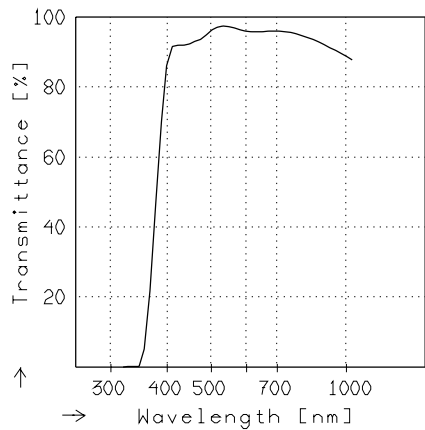
— $\beta' = 0.0000$ $u'_{max} = 5.5$ $00' = \infty$
 - - $\beta' = -0.0200$ $u'_{max} = 5.5$ $00' = 3617.$
 - · - $\beta' = -0.1000$ $u'_{max} = 5.5$ $00' = 821.$



DISTORTION

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

— $\beta' = 0.0000$ $u'_{max} = 5.5$ $00' = \infty$
 - - $\beta' = -0.0200$ $u'_{max} = 5.5$ $00' = 3617.$
 - · - $\beta' = -0.1000$ $u'_{max} = 5.5$ $00' = 821.$



TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

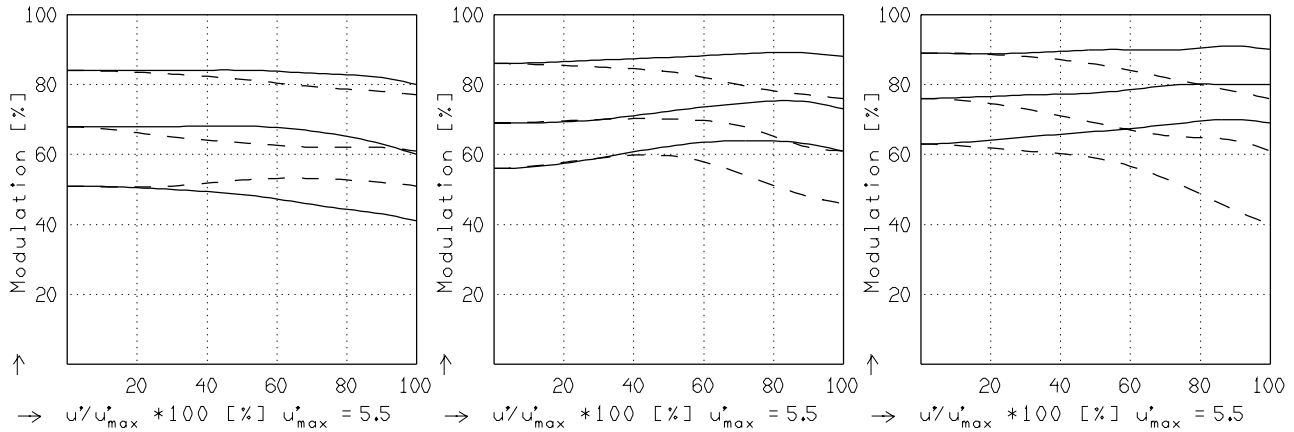
Jos. Schneider Optische Werke GmbH
 Ringstrasse 132 55543 Bad Kreuznach Germany

TELE-XENAR 2.2/70MM

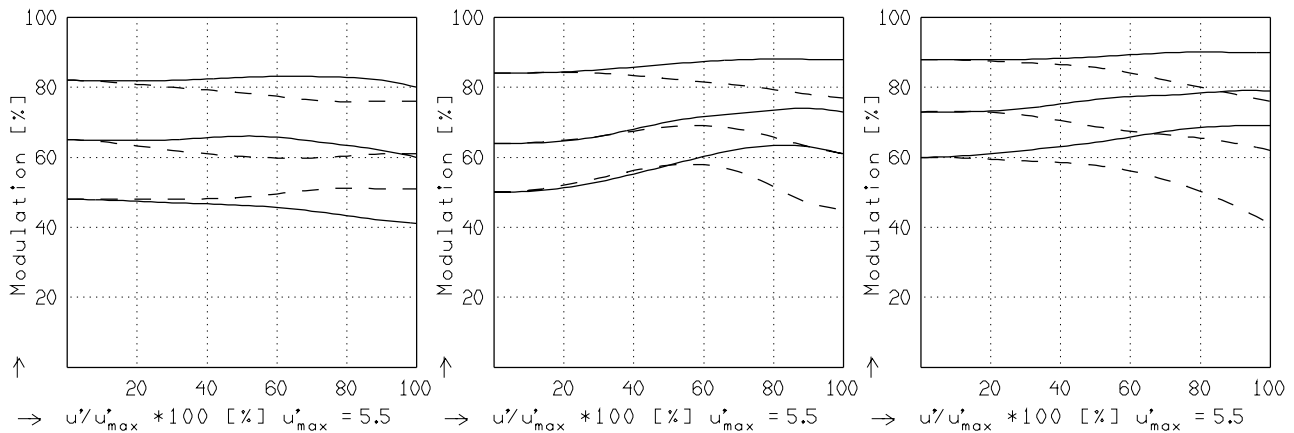
MODULATION with reference to the relative image height

Wavelength λ	[nm]	: 587	940	820	707	480	405
Spectral weighting	[%]	: 28.8	12.2	14.9	23.6	12.8	7.7
Spatial frequency R	[1/mm]	: 10	20	30			
Format	[mm X mm]	: 6.6	X	8.8			
Diagonal $2u'$	[mm]	: 11.0					

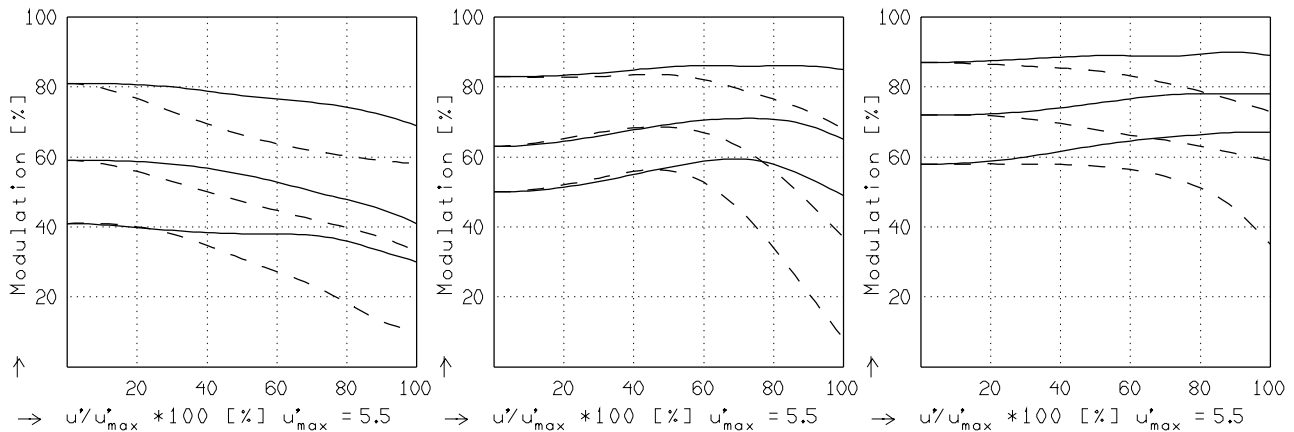
radial —
tangential - -



$f' = 70.0$ $f / 2.2$ $1/\beta' = \infty$ $00' = \infty$ $f' = 70.0$ $f / 4.0$ $1/\beta' = \infty$ $00' = \infty$ $f' = 70.0$ $f / 8.0$ $1/\beta' = \infty$ $00' = \infty$



$f' = 70.0$ $f / 2.2$ $1/\beta' = -50.00$ $00' = 3618.$ $f' = 70.0$ $f / 4.0$ $1/\beta' = -50.00$ $00' = 3618.$ $f' = 70.0$ $f / 8.0$ $1/\beta' = -50.00$ $00' = 3618.$



$f' = 70.0$ $f / 2.2$ $1/\beta' = -10.00$ $00' = 822.$ $f' = 70.0$ $f / 4.0$ $1/\beta' = -10.00$ $00' = 822.$ $f' = 70.0$ $f / 8.0$ $1/\beta' = -10.00$ $00' = 822.$

Focusing : MTF_{max} at $f / 2.2$, $R = 30$ 1/mm, $u'/u'_{max} = 0$

