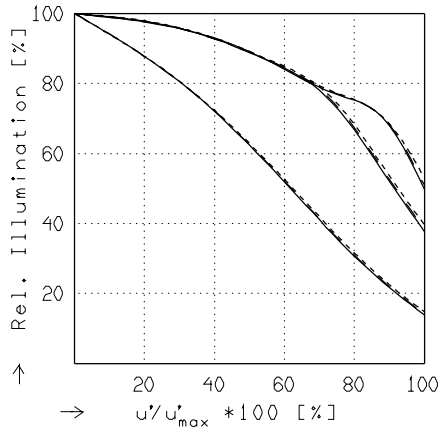
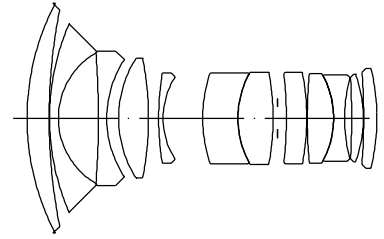


DIGITAR 2.8/28

$f' = 29.3 \text{ mm}$ $\beta_p = 2.373$
 $s_F = 13.3 \text{ mm}$ $s_{EP} = 25.6 \text{ mm}$
 $s_{F'} = 50.4 \text{ mm}$ $s_{A'P} = -19.1 \text{ mm}$
 $HH' = 58.0 \text{ mm}$ $\Sigma d = 79.5 \text{ mm}$

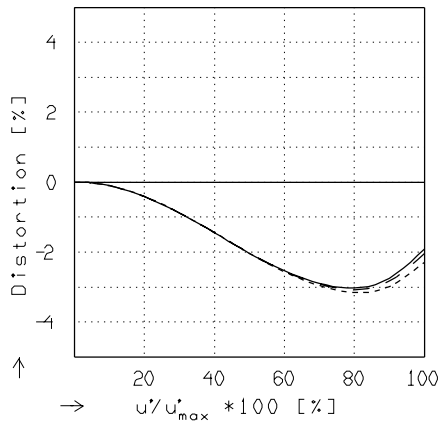


RELATIVE ILLUMINATION

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

$f / 2.8$ $f / 5.6$ $f / 11.0$

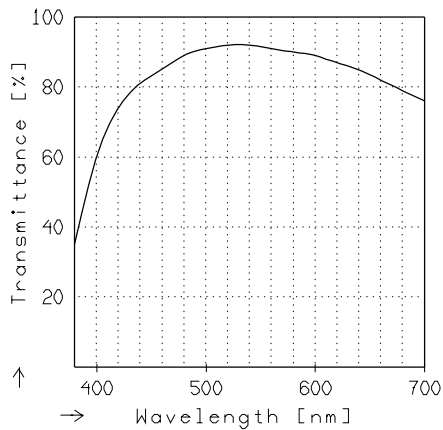
— $\beta' = -0.0060$ $u'_{max} = 29.4$ $00' = 5000.$
 - - $\beta' = -0.0155$ $u'_{max} = 29.4$ $00' = 2000.$
 - · - $\beta' = -0.0332$ $u'_{max} = 29.3$ $00' = 1000.$



DISTORTION

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

— $\beta' = -0.0060$ $u'_{max} = 29.3$ $00' = 5000.$
 - - $\beta' = -0.0155$ $u'_{max} = 29.3$ $00' = 2000.$
 - · - $\beta' = -0.0332$ $u'_{max} = 29.3$ $00' = 1000.$



TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

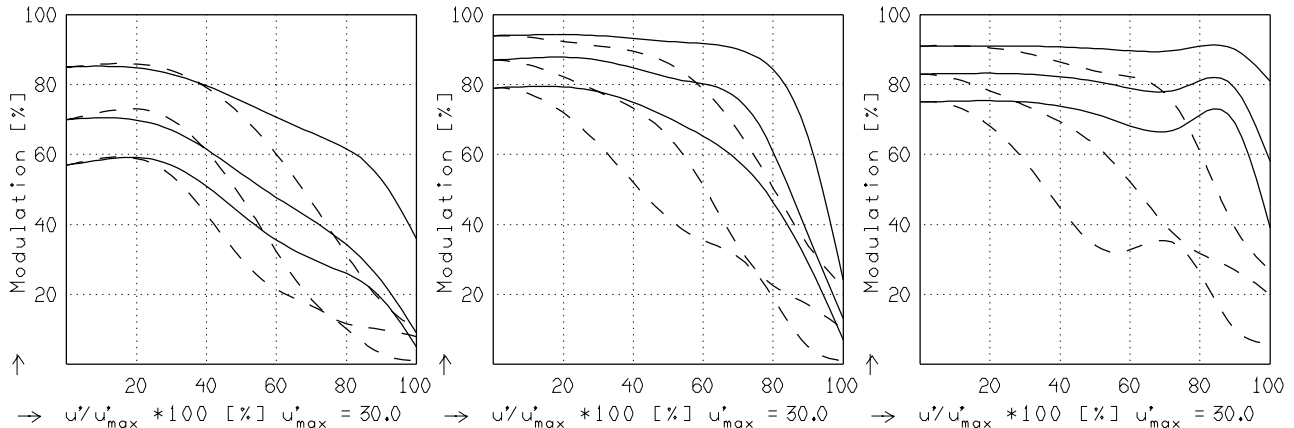
Jos. Schneider Optische Werke GmbH
 Ringstrasse 132 55543 Bad Kreuznach Germany

DIGITAR 2.8/28

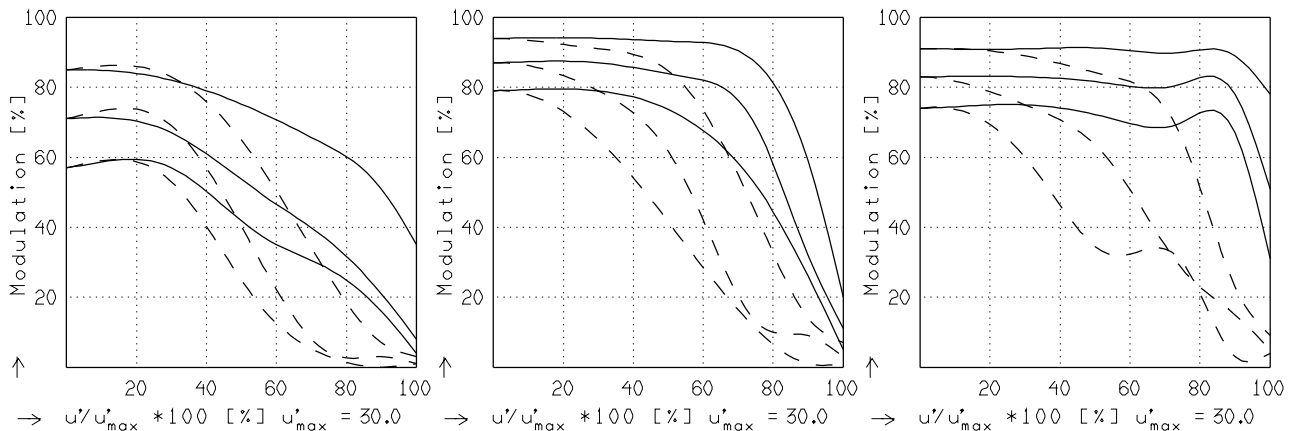
MODULATION with reference to the relative image height

Wavelength λ [nm] : 520 670 620 570 470 420
 Spectral weighting [%] : 19.0 10.0 19.0 19.0 19.0 14.0
 Spatial frequency R [1/mm] : 10 20 30
 Format [mm X mm] : 30.0 X 30.0
 Diagonal $2u'$ [mm] : 60.0

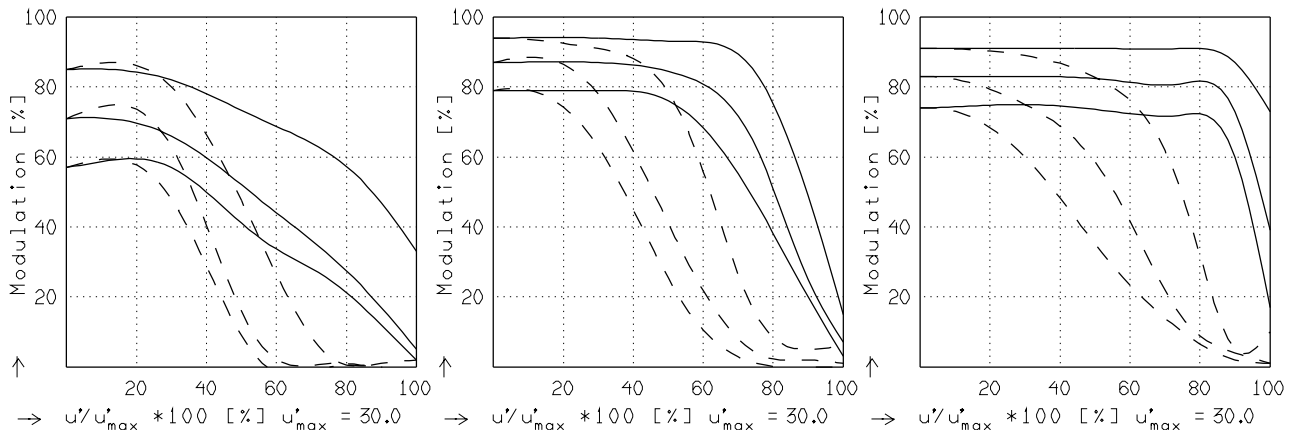
radial —
 tangential - -



$f' = 29.3$ $f / 2.8$ $1/\beta' = 166.90$ $00' = 5000.$ $f' = 29.3$ $f / 5.6$ $1/\beta' = 166.90$ $00' = 5000.$ $f' = 29.3$ $f / 11.0$ $1/\beta' = 166.90$ $00' = 5000.$



$f' = 29.3$ $f / 2.8$ $1/\beta' = -64.36$ $00' = 2000.$ $f' = 29.3$ $f / 5.6$ $1/\beta' = -64.36$ $00' = 2000.$ $f' = 29.3$ $f / 11.0$ $1/\beta' = -64.36$ $00' = 2000.$



$f' = 29.3$ $f / 2.8$ $1/\beta' = -30.16$ $00' = 1000.$ $f' = 29.3$ $f / 5.6$ $1/\beta' = -30.16$ $00' = 1000.$ $f' = 29.3$ $f / 11.0$ $1/\beta' = -30.16$ $00' = 1000.$

Focusing : MTF_{max} at $f / 2.8$, R = 30 1/mm, $u'/u'_{max} = 0$