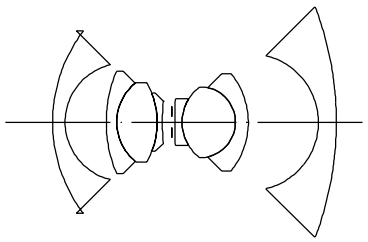
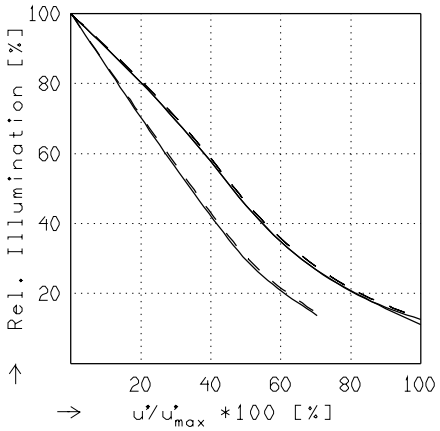
## SUPER-ANGULON 5.6/38 XL

| | | | |
|---|---|---|---|
| $f'$ = 39.4 mm | $\beta'_P$ = 1.030 | | |
| $s_F$ = -23.4 mm | $s_{EP}$ = 14.8 mm | | |
| $s'_F$ = 22.5 mm | $s'_{AP}$ = -18.1 mm | | |
| $HH'$ = 22.3 mm | $\Sigma$ d = 55.1 mm | | |



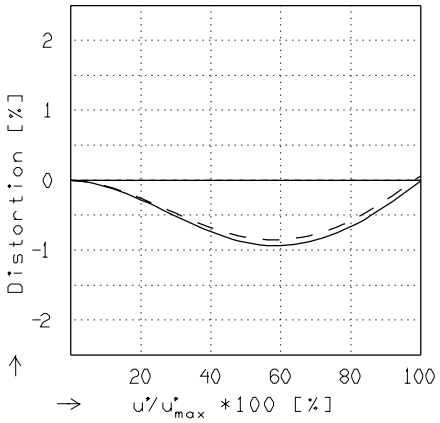



### RELATIVE ILLUMINATION

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

f / 5.6 f / 16.0 f / 22.0

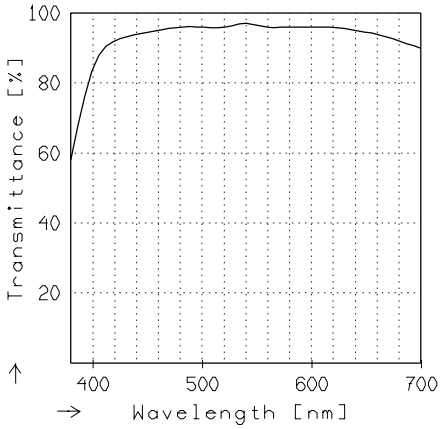
—— $\beta'$ = 0.0000 $u'_{max}$ = 68.3 $OO'$ = ∞
– – $\beta'$ = -0.0200 $u'_{max}$ = 68.3 $OO'$ = 2073.




### DISTORTION

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

—— $\beta'$ = 0.0000 $u'_{max}$ = 68.3 $OO'$ = ∞
– – $\beta'$ = -0.0200 $u'_{max}$ = 68.3 $OO'$ = 2073.




### TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

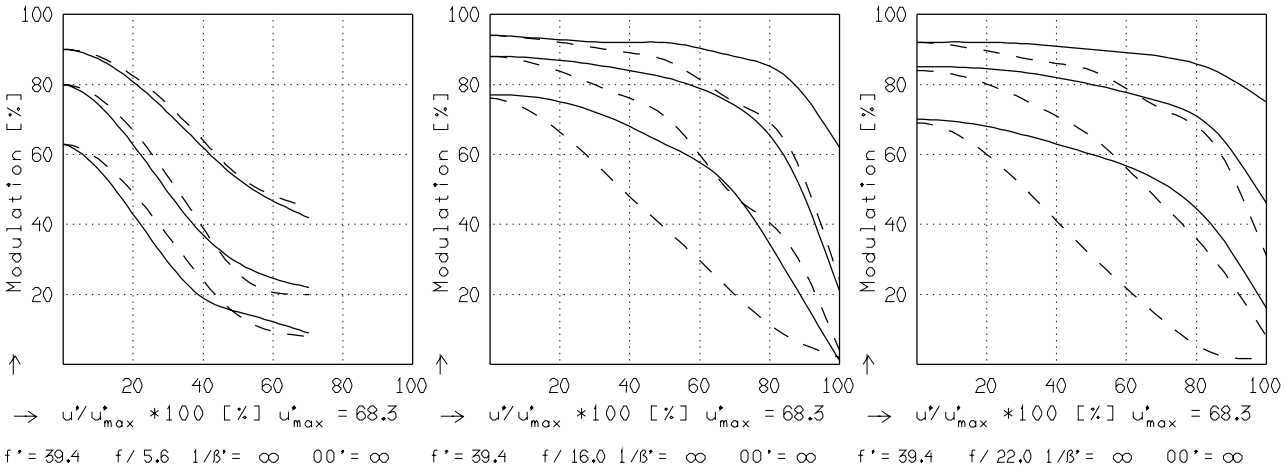
Jos. Schneider Optische Werke GmbH
Ringstrasse 132 55543 Bad Kreuznach Germany

## SUPER-ANGULON 5.6/38 XL

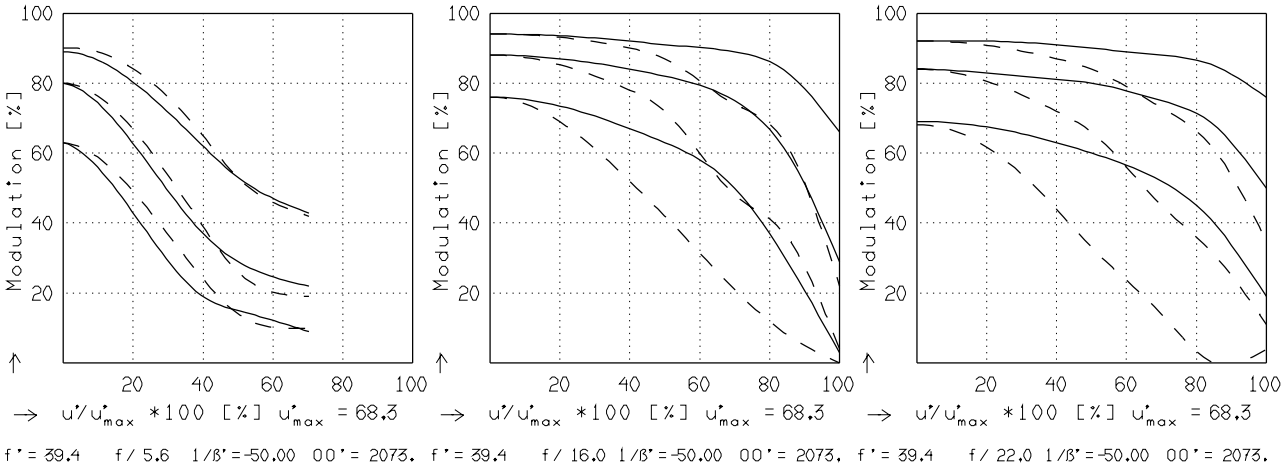
**MODULATION** with reference to the relative image height

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 | | | |
| Format [mm X mm] : | 60.0 X 90.0 | | | | | |
| Diagonal 2u' [mm] : | 136.5 | | | | | |

radial ——
tangential — —




f' = 39.4 f/ 5.6 1/ß' = ∞ 00' = ∞ | f' = 39.4 f/ 16.0 1/ß' = ∞ 00' = ∞ | f' = 39.4 f/ 22.0 1/ß' = ∞ 00' = ∞




f' = 39.4 f/ 5.6 1/ß' = -50.00 00' = 2073. | f' = 39.4 f/ 16.0 1/ß' = -50.00 00' = 2073. | f' = 39.4 f/ 22.0 1/ß' = -50.00 00' = 2073.

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

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