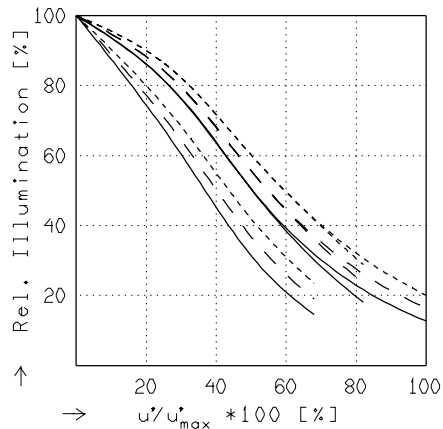
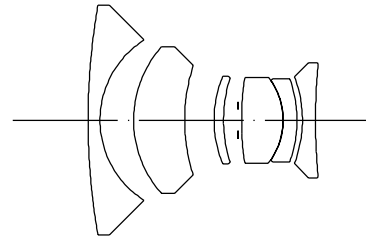


SUPER-SYMMAR 5.6/110 XL ASPHERIC

$f' = 109.9 \text{ mm}$ $\beta_p = 1.030$
 $s_F = -80.7 \text{ mm}$ $s_{EP} = 26.1 \text{ mm}$
 $s_{F'} = 100.6 \text{ mm}$ $s_{A'P} = -12.5 \text{ mm}$
 $HH' = 18.8 \text{ mm}$ $\Sigma d = 57.3 \text{ mm}$

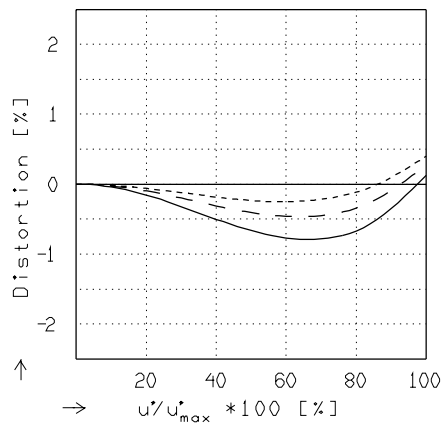


RELATIVE ILLUMINATION

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

$f / 5.6$ $f / 11.0$ $f / 22.0$

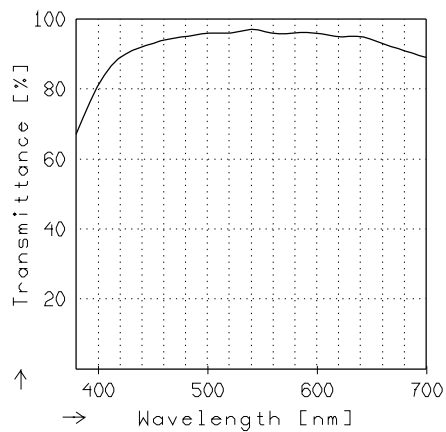
— $\beta' = 0.0000$ $u'_{max} = 144.2$ $\omega' = \infty$
 - - $\beta' = -0.1000$ $u'_{max} = 144.4$ $\omega' = 1348.$
 - · - $\beta' = -0.2000$ $u'_{max} = 144.6$ $\omega' = 810.$



DISTORTION

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

— $\beta' = 0.0000$ $u'_{max} = 144.6$ $\omega' = \infty$
 - - $\beta' = -0.1000$ $u'_{max} = 144.6$ $\omega' = 1348.$
 - · - $\beta' = -0.2000$ $u'_{max} = 144.6$ $\omega' = 810.$



TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

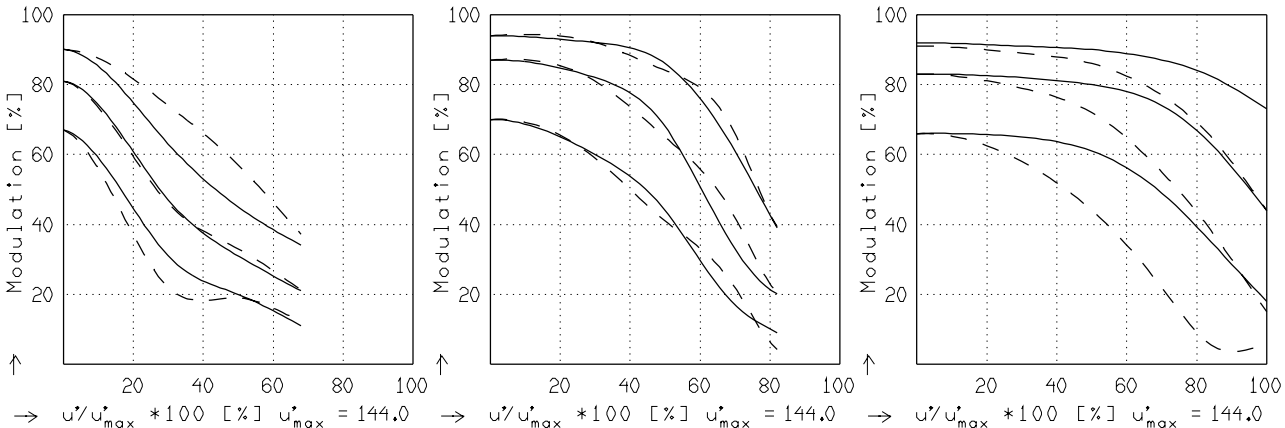
Jos. Schneider Optische Werke GmbH
 Ringstrasse 132 55543 Bad Kreuznach Germany

SUPER-SYMMAR 5.6/110 XL ASPHERIC

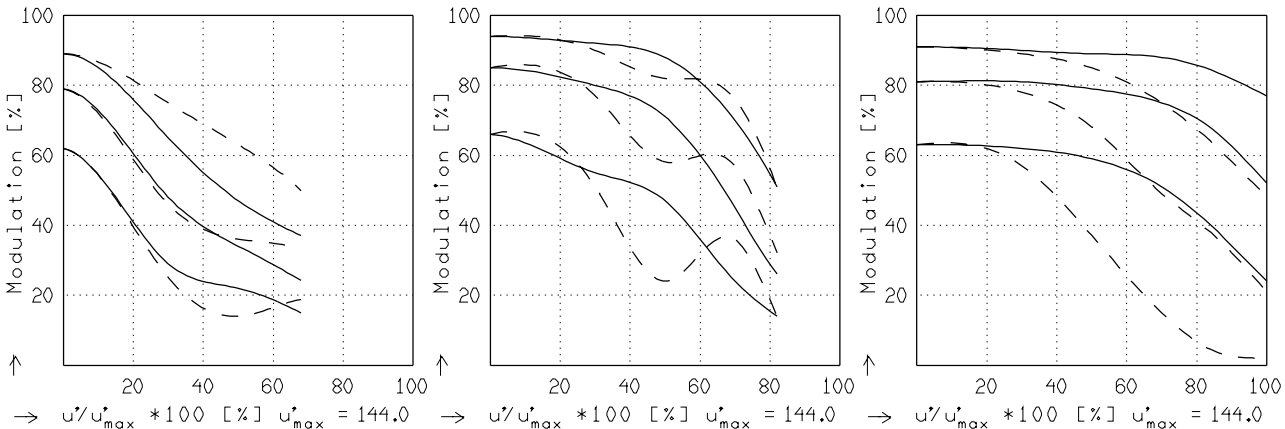
MODULATION with reference to the relative image height

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]	130.0	X180.0				
Diagonal $2u'$	[mm]	288.0					

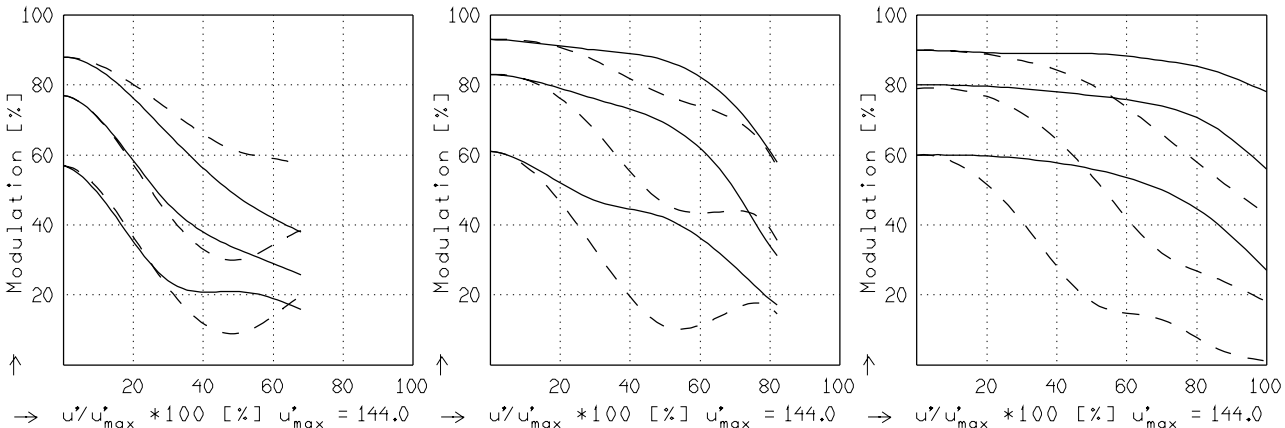
radial —
 tangential - -



$f' = 109.9$ $f / 5.6$ $1/\beta' = \infty$ $00' = \infty$ $f' = 109.9$ $f / 11.0$ $1/\beta' = \infty$ $00' = \infty$ $f' = 109.9$ $f / 22.0$ $1/\beta' = \infty$ $00' = \infty$



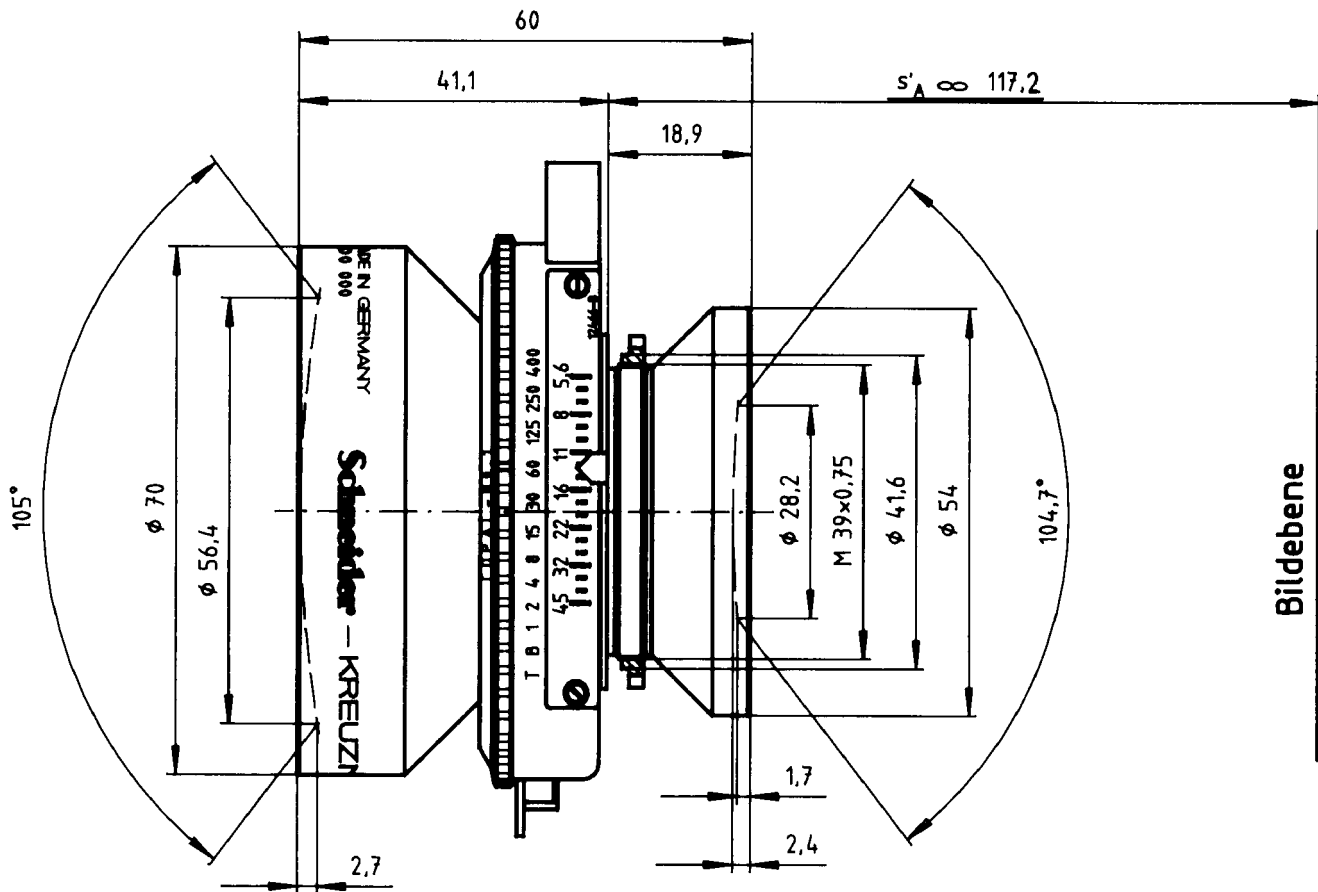
$f' = 109.9$ $f / 5.6$ $1/\beta' = -10.00$ $00' = 1348.$ $f' = 109.9$ $f / 11.0$ $1/\beta' = -10.00$ $00' = 1348.$ $f' = 109.9$ $f / 22.0$ $1/\beta' = -10.00$ $00' = 1348.$



$f' = 109.9$ $f / 5.6$ $1/\beta' = -5.00$ $00' = 810.$ $f' = 109.9$ $f / 11.0$ $1/\beta' = -5.00$ $00' = 810.$ $f' = 109.9$ $f / 22.0$ $1/\beta' = -5.00$ $00' = 810.$

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

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Bildebene

optische Grunddaten								empf. Bildformat	130×180
Linsen/Glieder	6/5		HH'	18,82				Blendenbereich	5,6 - 45
f'	109,89		s _{EP}	26,06				Center Filter	III b oder III c
s' _{F'}	100,64		s' _{AP}	-12,52				Filtergewinde vorne	M 67×0,75
s' _{H'}	-9,25		s _{1S_K}	57,30				Filtergewinde hinten	M 52×0,75
			k=5,6	k=22				Grundauführung	SR56110-0001
Bildwinkel		80°		105°				Verschluss	Copal 1
Bildkreis φ		185,7		288				Blendenbogen A+B	SR56110-0002-U1
Blendenzahl	5,6	8	11	16	22	32	45	Gewicht	425 g
Blenden φ	21,36	14,75	10,37	7,31	5,16	3,65	2,58	Id.Nr.	12 466

Angaben ohne Einheiten in mm

technische Änderungen vorbehalten