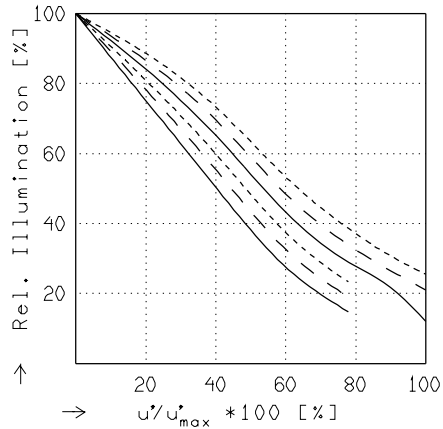
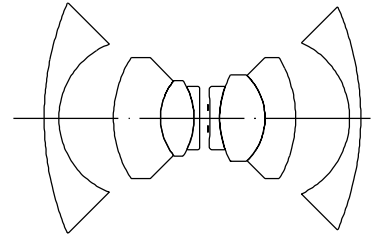


SUPER-ANGULON XL 5.6/90

$f' = 90.7 \text{ mm}$ $\beta_p = 0.963$
 $s_F = -63.7 \text{ mm}$ $s_{EP} = 30.4 \text{ mm}$
 $s_{F'} = 59.7 \text{ mm}$ $s_{AP} = -27.7 \text{ mm}$
 $HH' = 36.2 \text{ mm}$ $\Sigma d = 94.2 \text{ mm}$

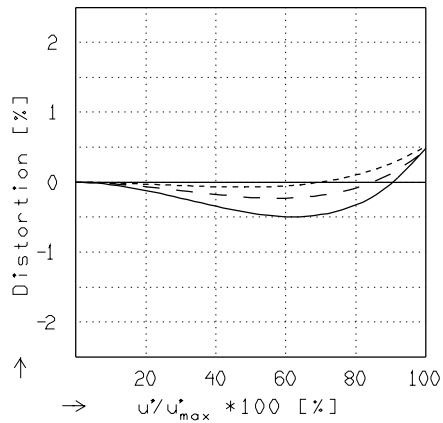


RELATIVE ILLUMINATION

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

$f / 5.6$ $f / 22.0$

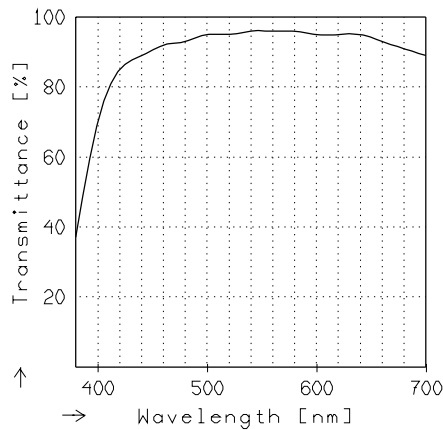
— $\beta' = 0.0000$ $u'_{max} = 130.1$ $00' = \infty$
 - - $\beta' = -0.1000$ $u'_{max} = 130.1$ $00' = 1134.$
 - · - $\beta' = -0.2000$ $u'_{max} = 130.2$ $00' = 689.$



DISTORTION

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

— $\beta' = 0.0000$ $u'_{max} = 130.1$ $00' = \infty$
 - - $\beta' = -0.1000$ $u'_{max} = 130.1$ $00' = 1134.$
 - · - $\beta' = -0.2000$ $u'_{max} = 130.2$ $00' = 689.$



TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

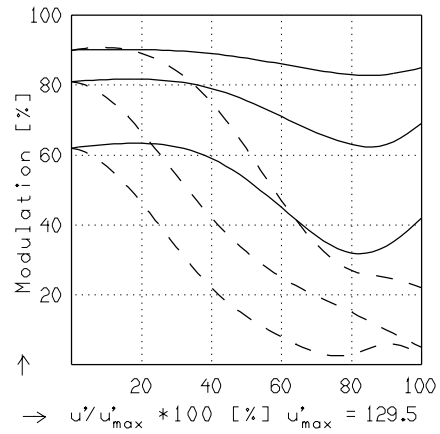
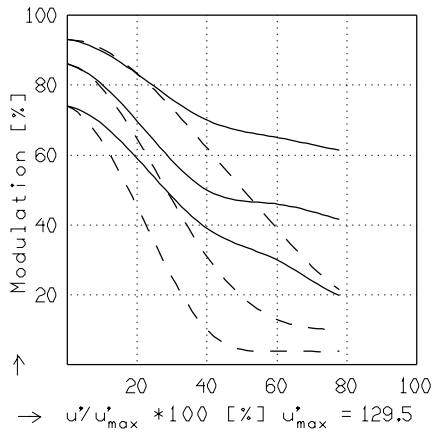
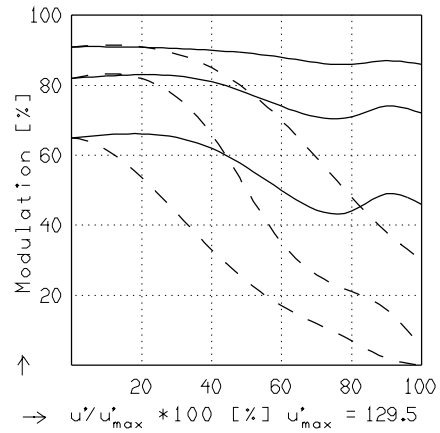
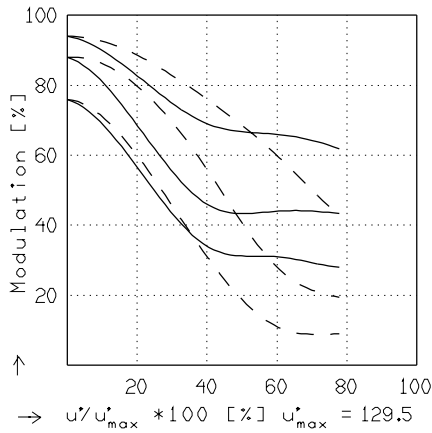
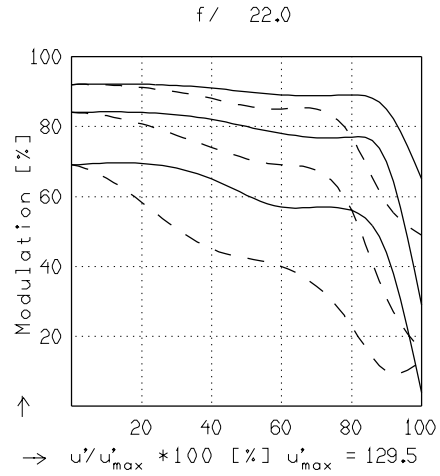
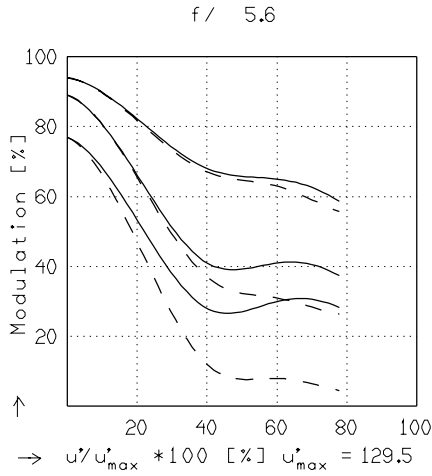
Jos. Schneider Optische Werke GmbH
 Ringstrasse 132 55543 Bad Kreuznach Germany

SUPER-ANGULON XL 5.6/90

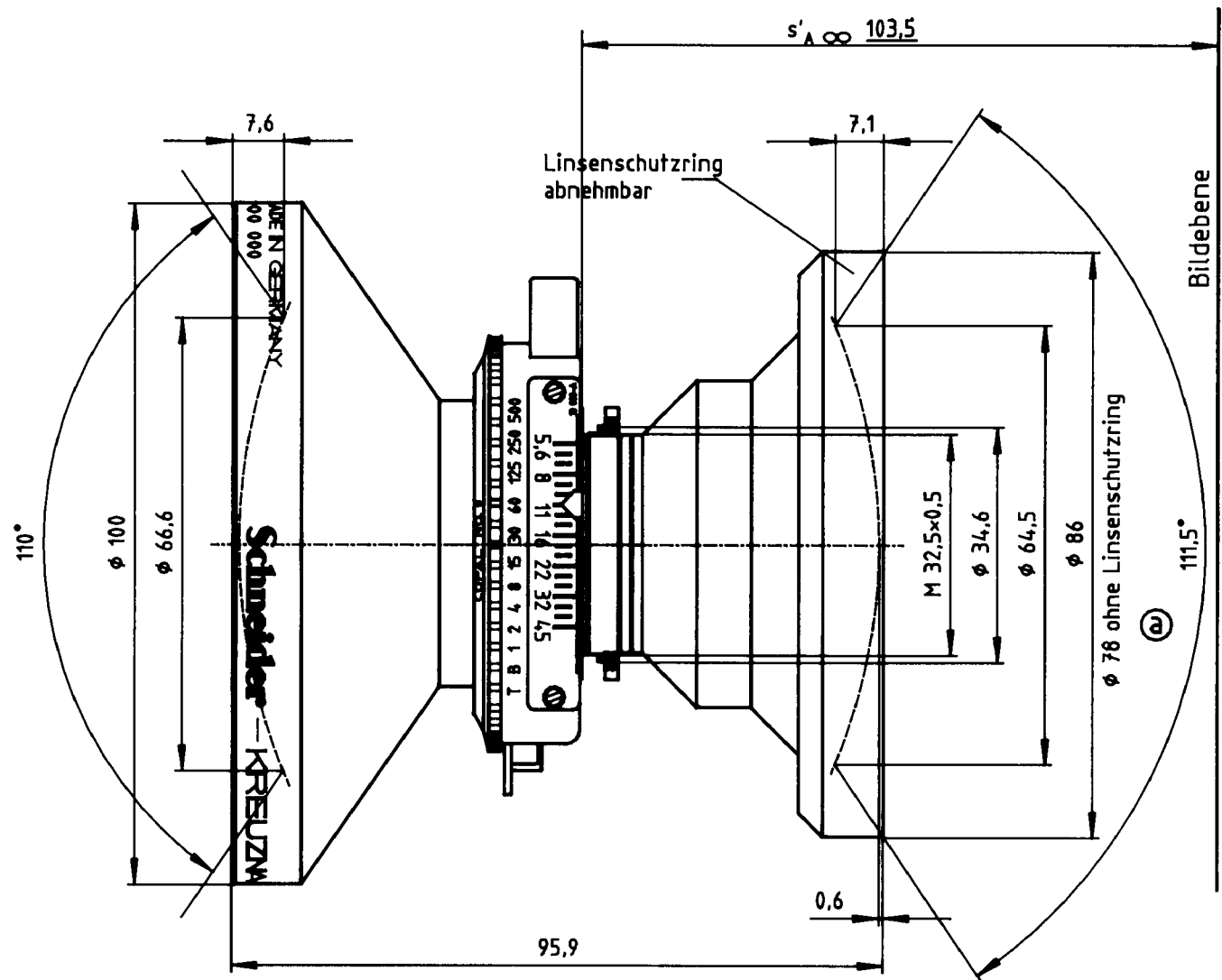
MODULATION with reference to the relative image height

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]	201.5					
Image- \emptyset f / 22.0	[mm]	259.0					

radial —
 tangential - -



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



optische Grunddaten								empf. Bildformat	130×180
Linsen/Glieder		8/4		HH'		36,23		Blendenbereich	5,6 - 45
f'		90,69		s'_{EP}		29,54		Center Filter	IVa
$s'_{F'}$		59,68		s'_{AP}		-28,49		Filtergewinde	M 95×1
$s'_{H'}$		-31,01		$S_1 S_K$		94,19		Gewicht	665 g
		k=5,6		k=22				Grundauführung	AN 5690-0030
Bildwinkel		96°		110°				Verschluss	COPAL 0
Bildkreis ϕ		201		259				Blendenbogen A+B	AN 5690-0032-U1
Blendenzahl	5,6	8	11	16	22	32	45		
Blenden ϕ	17,59	12,33	8,68	6,13	4,33	3,06	2,16	Id.Nr.	16 823

Angaben ohne Einheiten in mm

technische Änderungen vorbehalten