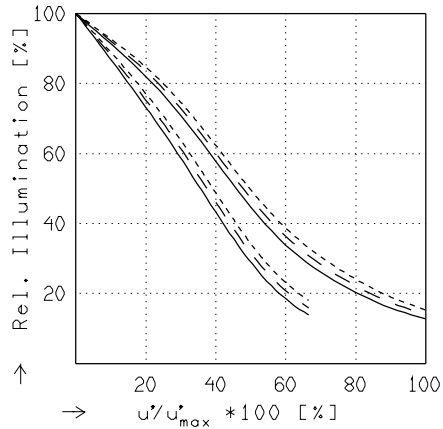
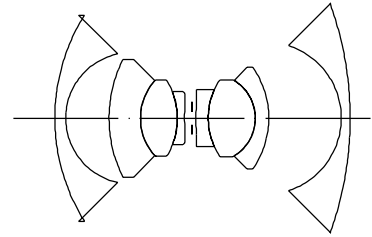


# SUPER-ANGULON XL 5.6/47

$f' = 48.0 \text{ mm}$      $\beta_p = 0.995$   
 $s_F = -31.2 \text{ mm}$      $s_{EP} = 17.0 \text{ mm}$   
 $s_{F'} = 29.5 \text{ mm}$      $s_{AP} = -18.2 \text{ mm}$   
 $HH' = 24.8 \text{ mm}$      $\Sigma d = 60.0 \text{ mm}$

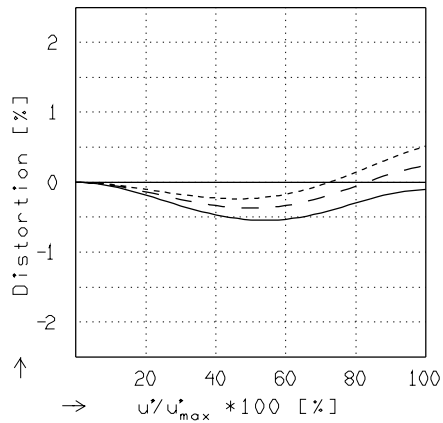


## RELATIVE ILLUMINATION

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

$f / 5.6$        $f / 22.0$

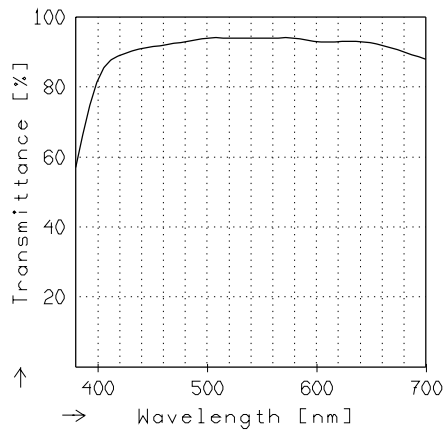
—	$\beta' = 0.0000$	$u'_{max} = 82.9$	$00' = \infty$
- -	$\beta' = -0.0500$	$u'_{max} = 83.2$	$00' = 1082.$
- · - ·	$\beta' = -0.1000$	$u'_{max} = 83.4$	$00' = 605.$



## DISTORTION

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

—	$\beta' = 0.0000$	$u'_{max} = 82.9$	$00' = \infty$
- -	$\beta' = -0.0500$	$u'_{max} = 83.2$	$00' = 1082.$
- · - ·	$\beta' = -0.1000$	$u'_{max} = 83.4$	$00' = 605.$



## TRANSMITTANCE

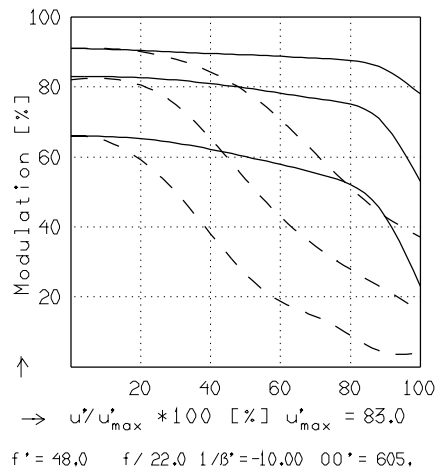
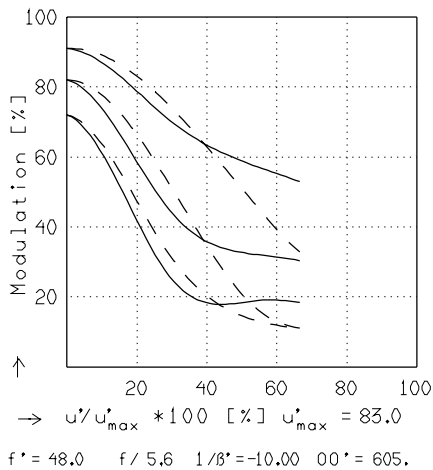
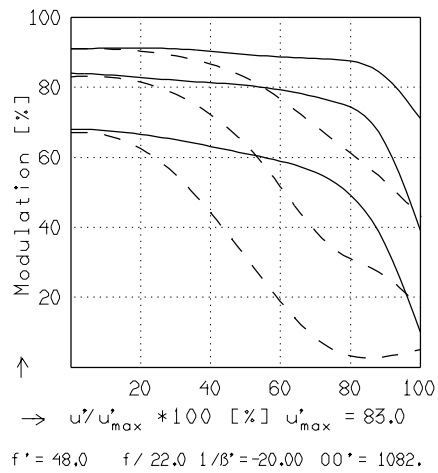
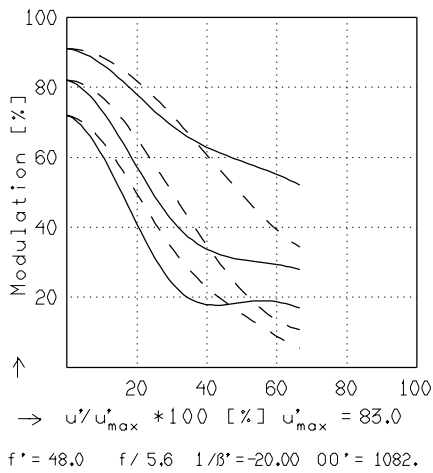
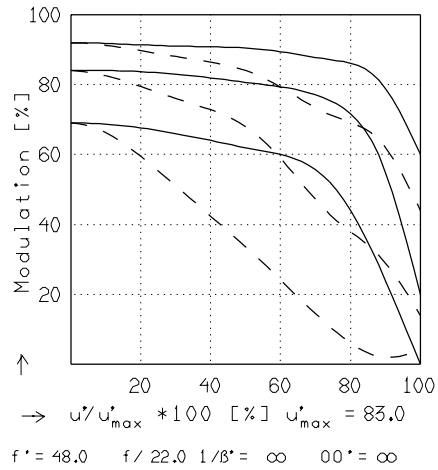
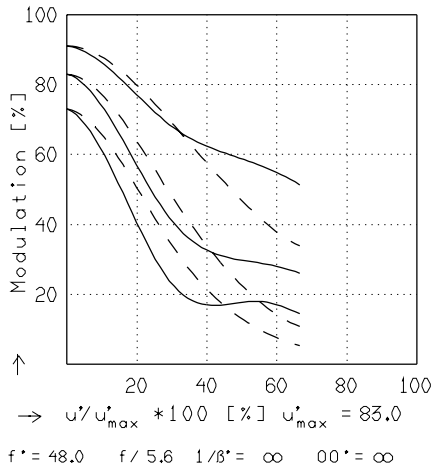
Relative spectral transmittance is shown with reference to wavelength.

**SUPER-ANGULON XL 5.6/47**

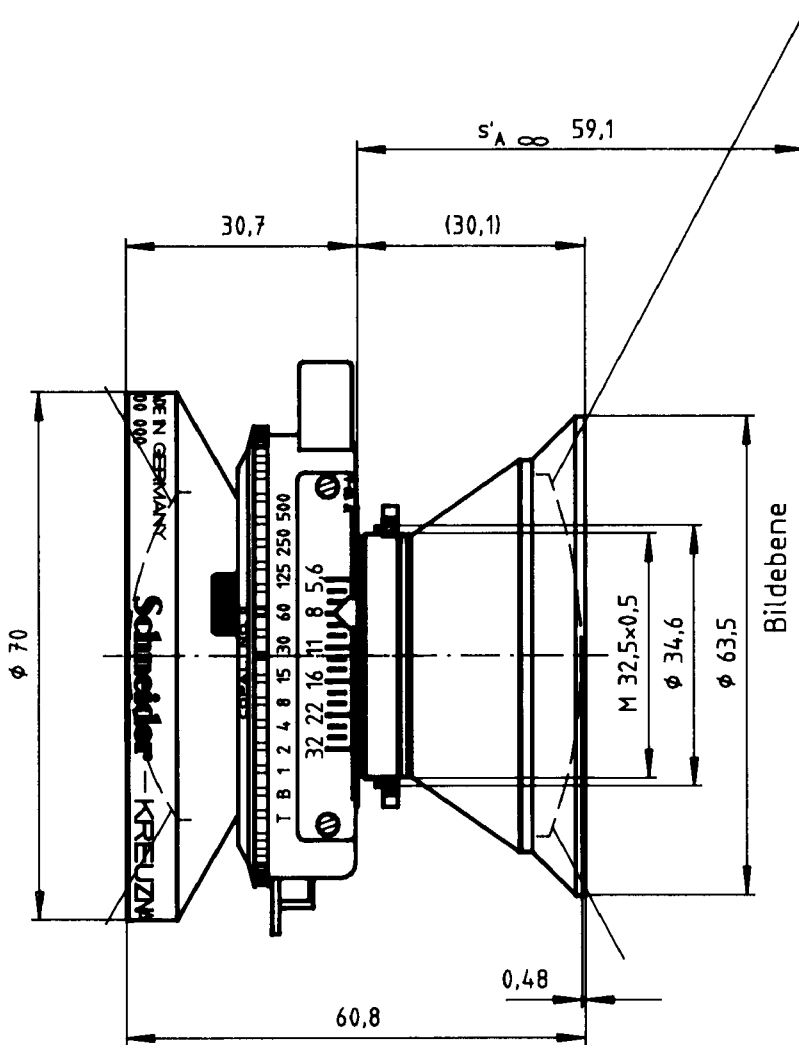
**MODULATION** with reference to the relative image height

Wavelength $\lambda$	[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]	110.4					
Image- $\emptyset$ f / 22.0	[mm]	166.0					

radial —  
 tangential - -



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



optische Grunddaten							empf. Bildformat	90x120 / 4" x 5"
Linsen/Glieder	8/4		HH'	24,79			Blendenbereich	5,6 - 32 (a)
f'	47,96		S <sub>EP</sub>	17,0			Center Filter	III b / III c
s' <sub>F'</sub>	29,49		s' <sub>AP</sub>	-18,24			Filtergewinde	M 67x0,75
s' <sub>H'</sub>	-18,47		S <sub>1</sub> S <sub>K</sub>	60,02			Gewicht	310 g (a)
	k=5,6		k=22				Grundauführung	AN 5647-0019
Bildwinkel	98° (a)		120°				Verschluß	COPAL 0 (Mod. AC 743)
Bildkreis φ	110,3		166				Blendenbogen A+B	AN 5647-0012-U1 (b)
Blendenzahl	5,6	8	11	16	22	32		
Blenden φ	9,94	7,10	5,00	3,53	2,49	1,76	Id.Nr.	25 044

Angaben ohne Einheiten in mm