

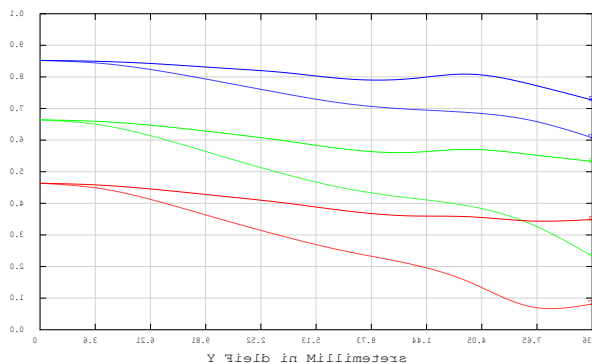
Hawk Series Line Scan Lenses

#OPT-VHK116/4.3-0.5X $\beta' = 0.475X \sim 0.53X$ F4.3 IMA= 63 mm EFFL= 116 mm

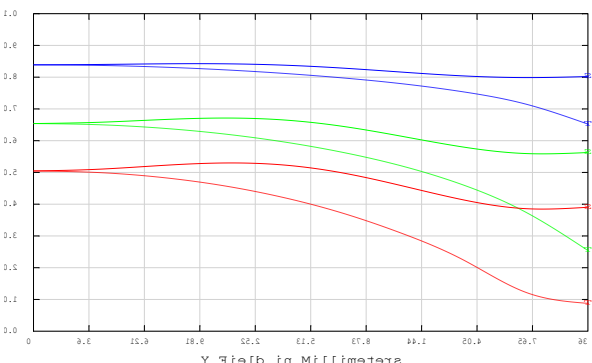
● Modulation Transfer Function(MTF)

$\beta' = 0.475X$, W.D.=292 mm

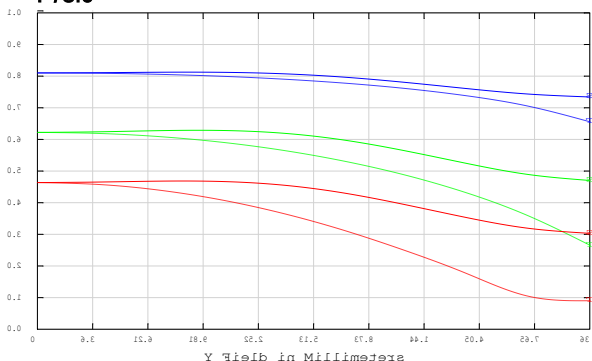
● f /4.3



● f /5.6



● f /8.0

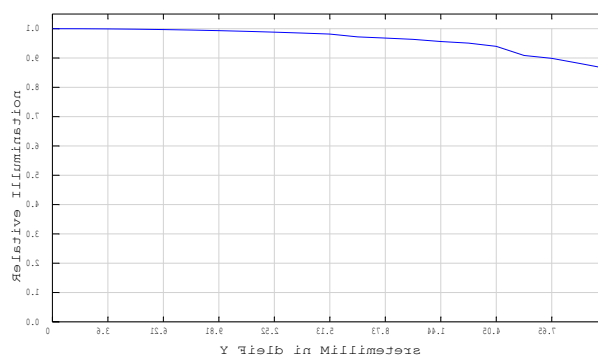


- | | |
|---|---|
| ☒ S1 : 33 lp/mm-Sagittal | ☒ T1 : 33 lp/mm-Tangential |
| ☒ S2 : 66 lp/mm-Sagittal | ☒ T2 : 66 lp/mm-Tangential |
| ☒ S3 : 100 lp/mm-Sagittal | ☒ T3 : 100 lp/mm-Tangential |

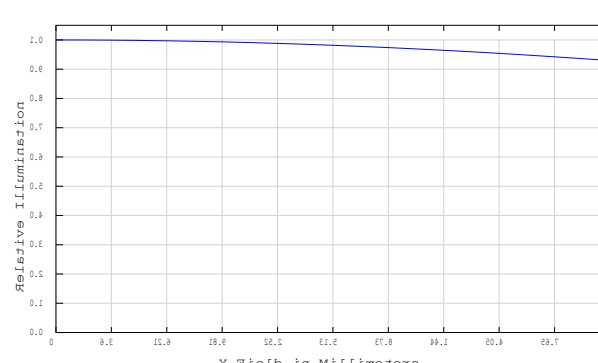
● Vignetting

$\beta' = 0.475X$, W.D.=292 mm

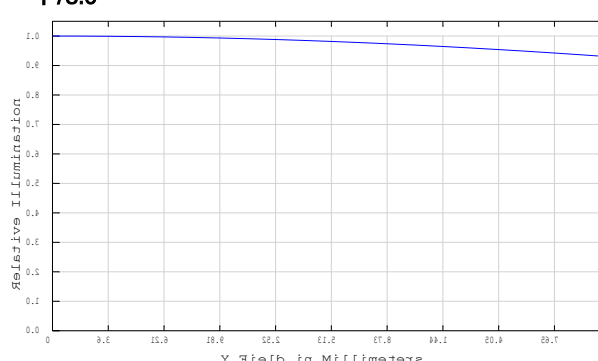
● f /4.3



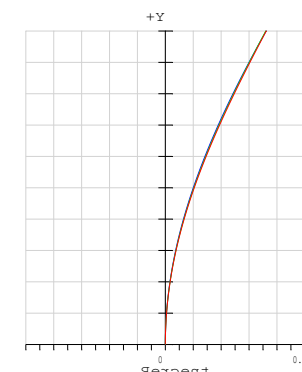
● f /5.6



● f /8.0



● Distortion



f /4.3 , $\beta' = 0.475X$

W.D.= 292mm

● Entrance Pupil Position (入瞳位置) : -115.80 mm

● Exit Pupil Position (出瞳位置) : -171.73 mm

● 1st Principal Point (第一主点) : -77.62 mm

● 2nd Principal Point (第二主点) : -170.81mm

(*:Measured with respect to Image Plane, W.D.= 500 mm)

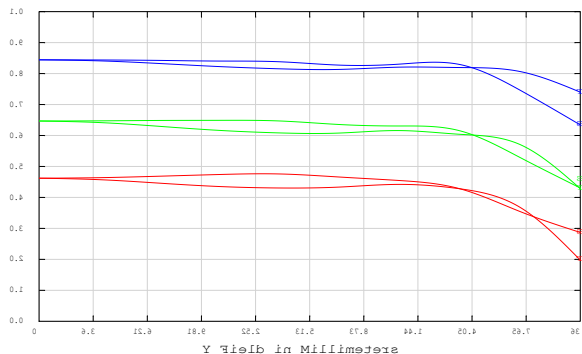
Hawk Series Line Scan Lenses

#OPT-VHK116/4.3-0.5X $\beta' = 0.475X \sim 0.53X$ F4.3 IMA= 63 mm EFFL= 116 mm

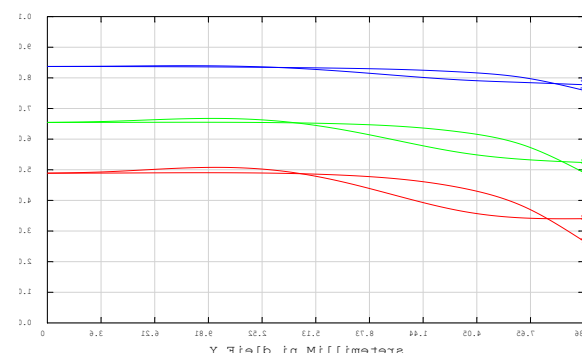
● Modulation Transfer Function(MTF)

$\beta' = 0.50X$, W.D.=280 mm

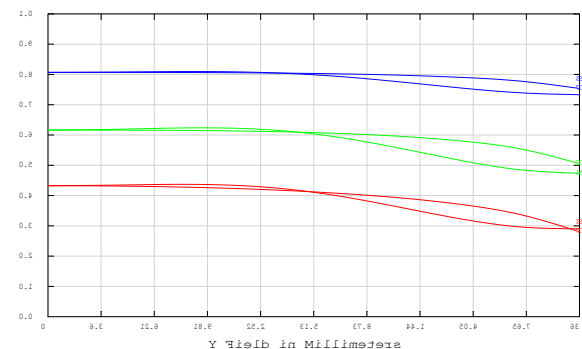
● f /4.3



● f /5.6



● f /8.0

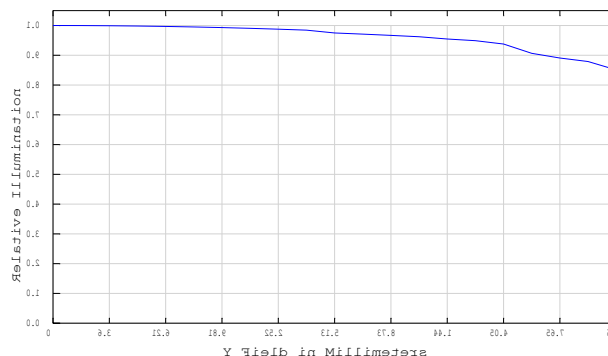


- | | |
|---|---|
| ☒ S1 : 30 lp/mm-Sagittal | ☒ T1 : 30 lp/mm-Tangential |
| ☒ S2 : 60 lp/mm-Sagittal | ☒ T2 : 60 lp/mm-Tangential |
| ☒ S3 : 100 lp/mm-Sagittal | ☒ T3 : 100 lp/mm-Tangential |

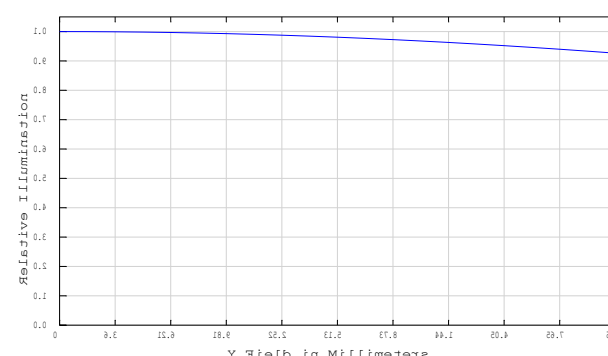
● Vignetting

$\beta' = 0.50X$, W.D.=280 mm

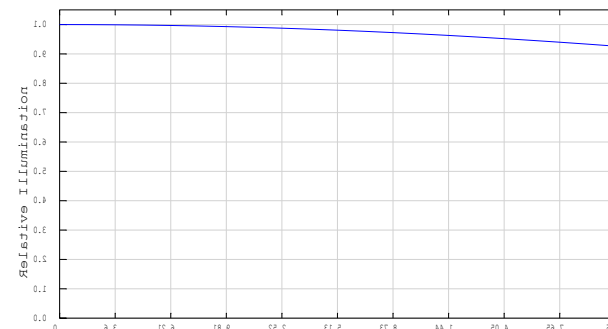
● f /4.3



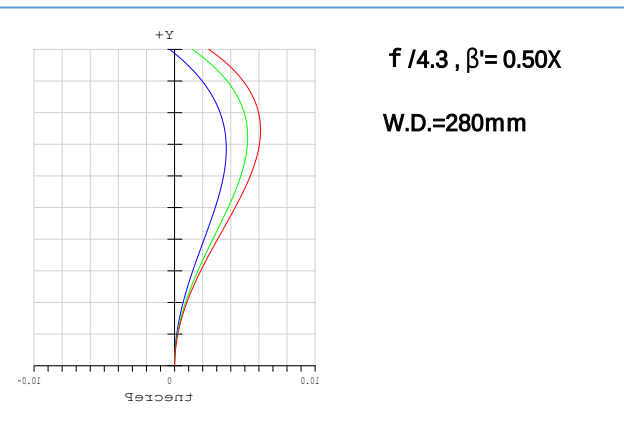
f /5.6



● f /8.0



● Distortion



● Entrance Pupil Position (入瞳位置) : -117.65 mm

● Exit Pupil Position (出瞳位置) : -174.57 mm

● 1st Principal Point (第一主点) : -80.47 mm

● 2nd Principal Point (第二主点) : -173.65 mm

(*:Measured with respect to Image Plane, W.D.= 459 mm)

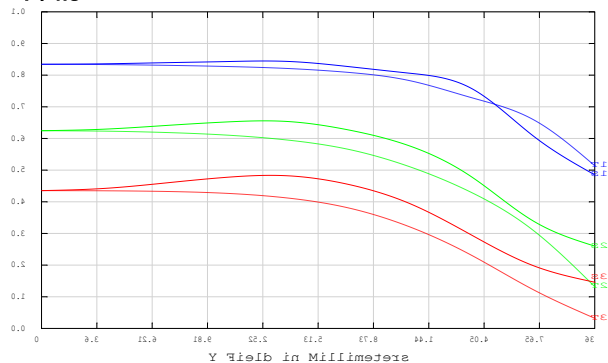
Hawk Series Line Scan Lenses

#OPT-VHK116/4.3-0.5X $\beta' = 0.475X \sim 0.53X$ F4.3 IMA= 63 mm EFFL= 116 mm

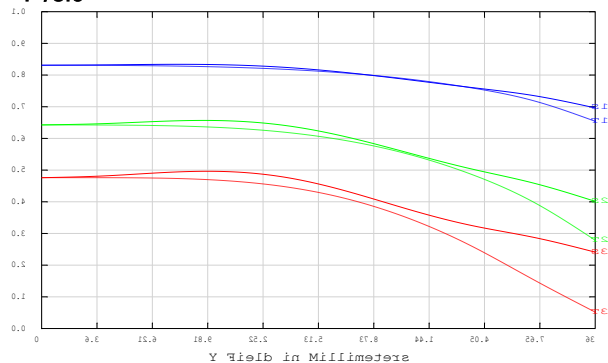
● Modulation Transfer Function(MTF)

$\beta' = 0.53X$, W.D.= 267 mm

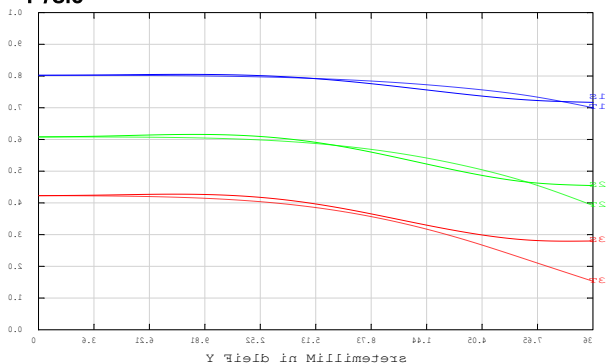
● f /4.3



● f /5.6



● f /8.0

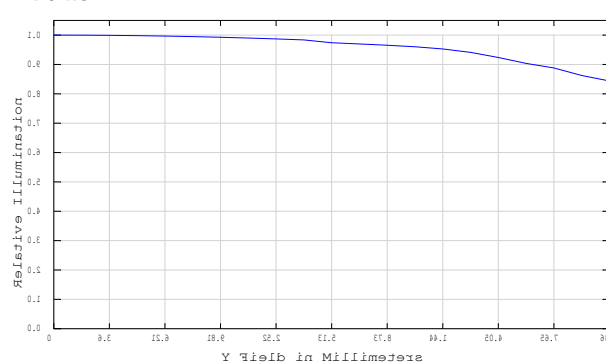


- | | |
|---|---|
| ☒ S1 : 30 lp/mm-Sagittal | ☒ T1 : 30 lp/mm-Tangential |
| ☒ S2 : 60 lp/mm-Sagittal | ☒ T2 : 60 lp/mm-Tangential |
| ☒ S3 : 100 lp/mm-Sagittal | ☒ T3 : 100 lp/mm-Tangential |

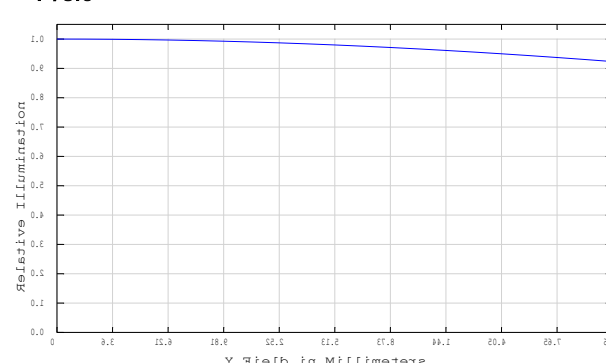
● Vignetting

$\beta' = 0.53X$, W.D.=267 mm

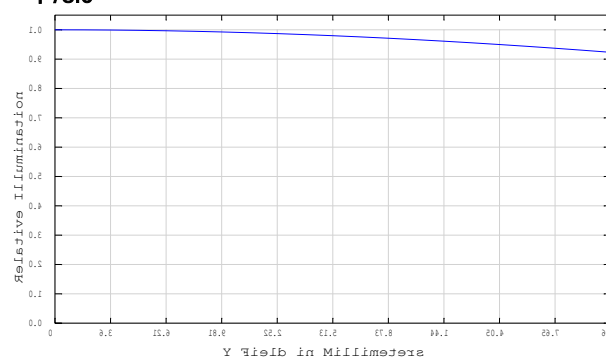
● f /4.3



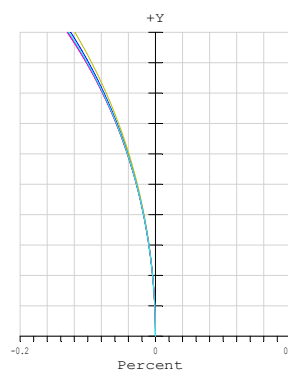
● f /5.6



● f /8.0



● Distortion



f /4.3 , $\beta' = 0.53X$

W.D.=267 mm

● Entrance Pupil Position (入瞳位置) : -122.08 mm

● Exit Pupil Position (出瞳位置) : -178.00 mm

● 1st Principal Point (第一主点) : -83.90 mm

● 2nd Principal Point (第二主点) : -177.08 mm

(*:Measured with respect to Image Plane, W.D.= 410 mm)