

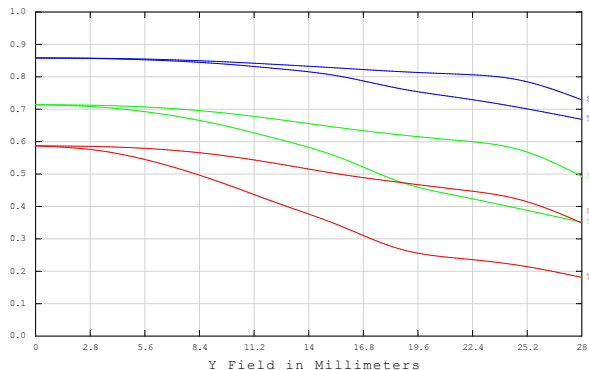
Hawk Series Line Scan Lenses

#OPT-VHK116/5.4-0.67X $\beta' = 0.64X \sim 0.7X$ F5.4 IMA= 63 mm EFFL= 116 mm

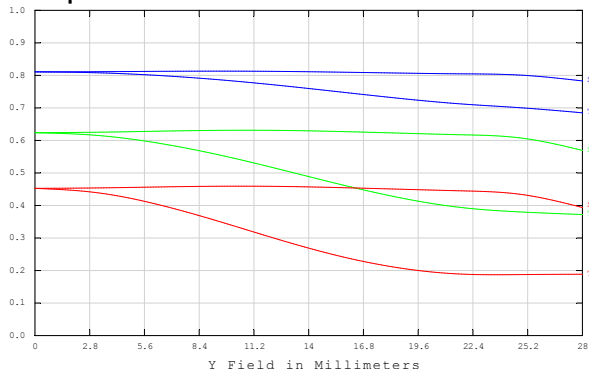
● Modulation Transfer Function(MTF)

$\beta' = 0.64X$, W.D.= 224 mm

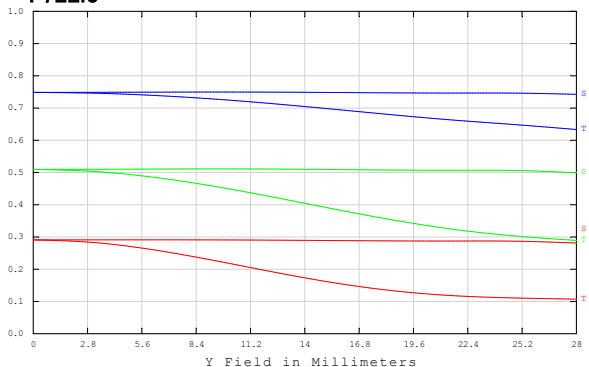
● f /5.4



● f /8.0



● f /11.0

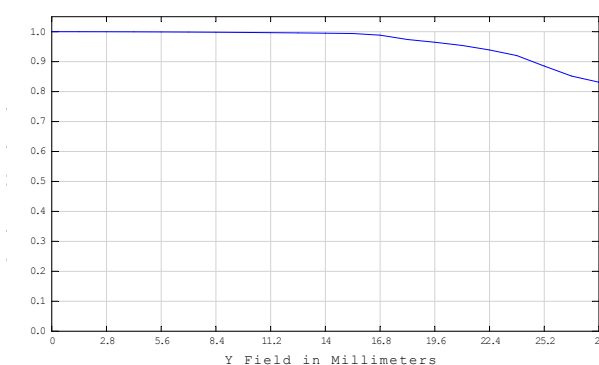


- ☒ S1 : 33 lp/mm-Sagittal
- ☒ T1 : 33 lp/mm-Tangential
- ☒ S2 : 66 lp/mm-Sagittal
- ☒ T2 : 66 lp/mm-Tangential
- ☒ S3 : 100 lp/mm-Sagittal
- ☒ T3 : 100 lp/mm-Tangential

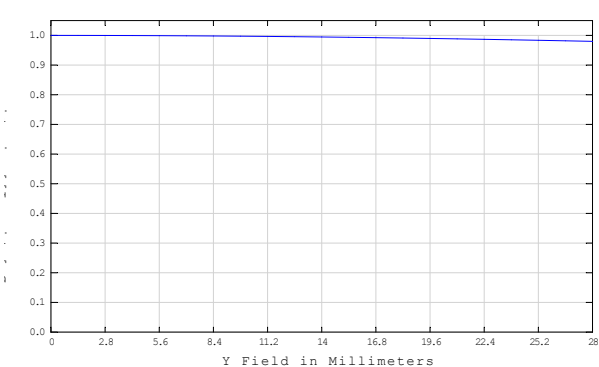
● Vignetting

$\beta' = 0.64X$, W.D.=224 mm

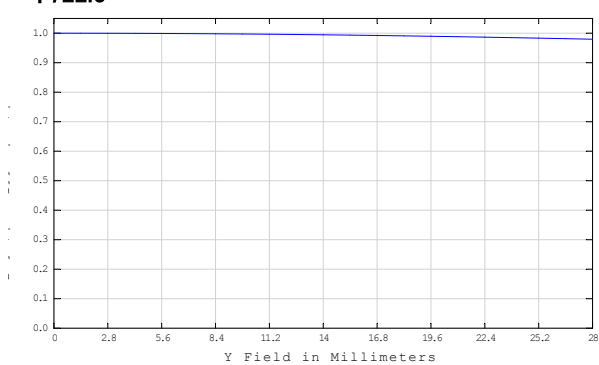
● f /5.4



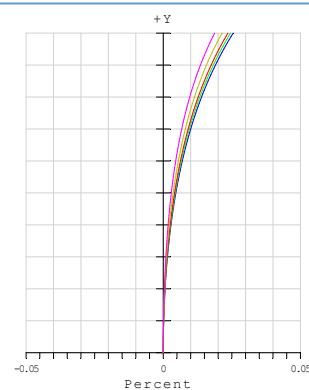
● f /8.0



● f /11.0



● Distortion



f /11.0 , $\beta' = 0.64X$

WD = 224 mm

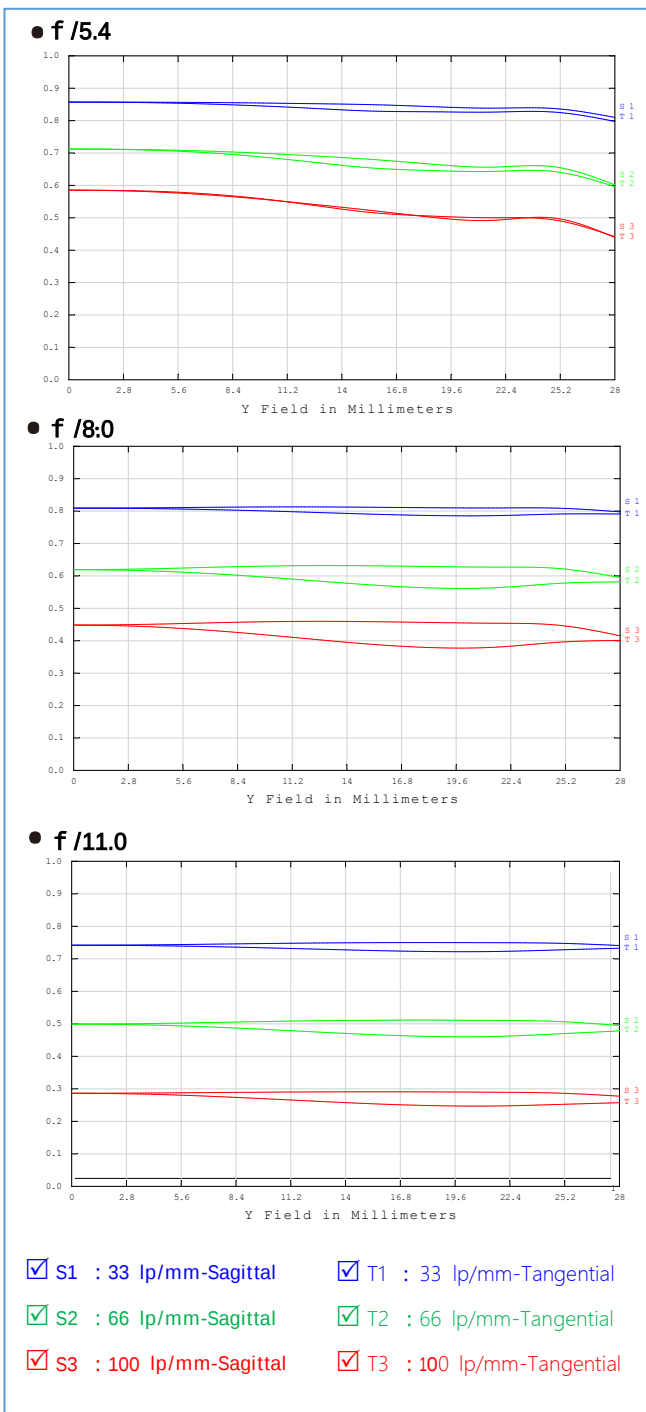
- Entrance Pupil Position (入瞳位置) : 153.43 mm
 - Exit Pupil Position (出瞳位置) : -186.16 mm
 - 1st Principal Point (第一主点) : -108.01 mm
 - 2nd Principal Point (第二主点) : -189.90mm
- (*:Measured with respect to Image Plane, W.D.= 224 mm)

Hawk Series Line Scan Lenses

#OPT-VHK116/5.4-0.67X $\beta' = 0.64X \sim 0.7X$ F5.4 IMA= 63 mm EFFL= 116 mm

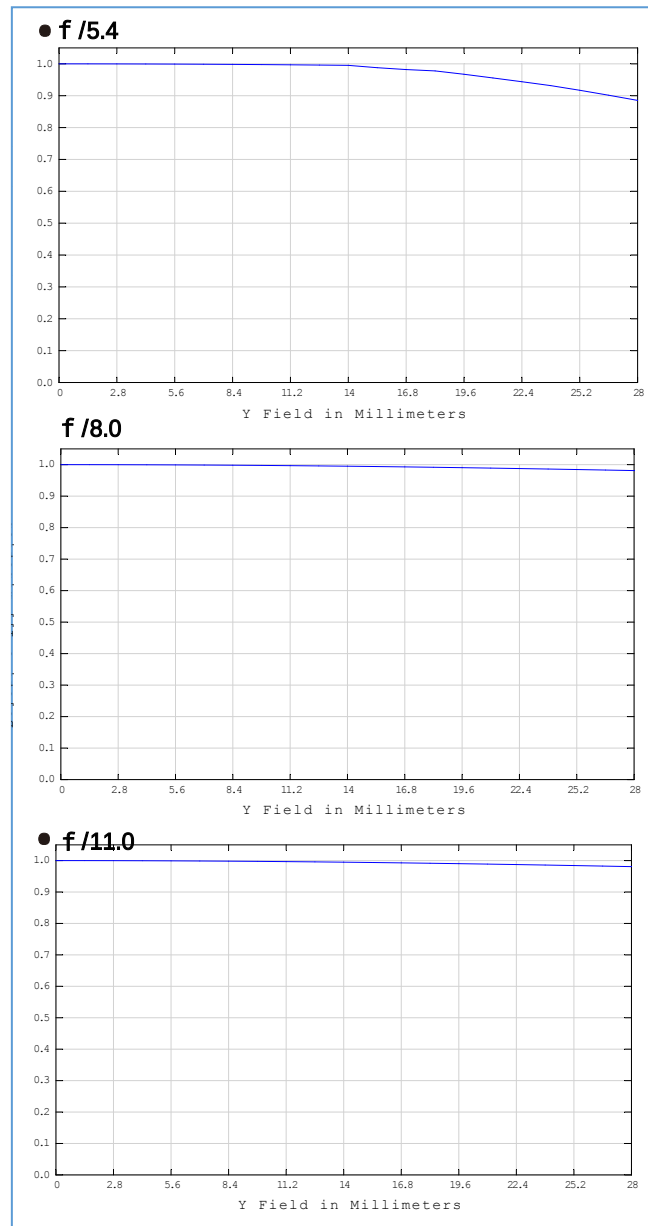
● Modulation Transfer Function(MTF)

$\beta' = 0.67X$, W.D.=216 mm

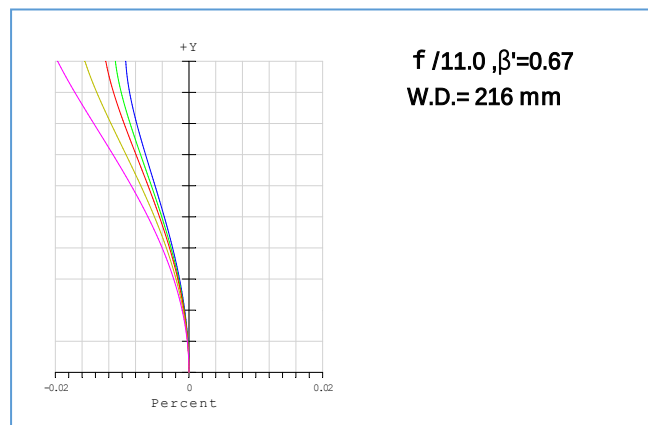


● Vignetting

$\beta' = 0.67X$, W.D.=216 mm



● Distortion



● Entrance Pupil Position (入瞳位置) : -156.87 mm

● Exit Pupil Position (出瞳位置) : -189.60 mm

● 1st Principal Point (第一主点) : -111.44 mm

● 2nd Principal Point (第二主点) : -193.33 mm

(*:Measured with respect to Image Plane, W.D.= 216 mm)

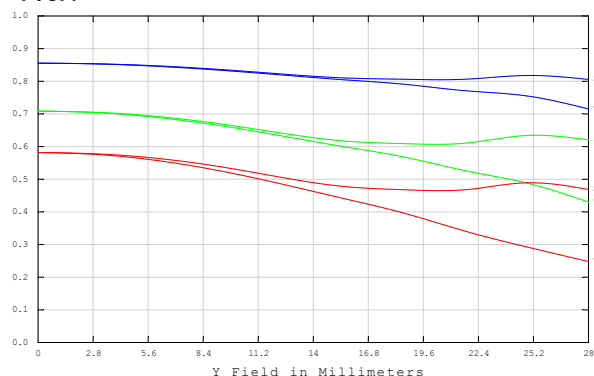
Hawk Series Line Scan Lenses

#OPT-VHK116/5.4-0.67X $\beta' = 0.64X \sim 0.7X$ F5.4 IMA= 63 mm EFFL= 116 mm

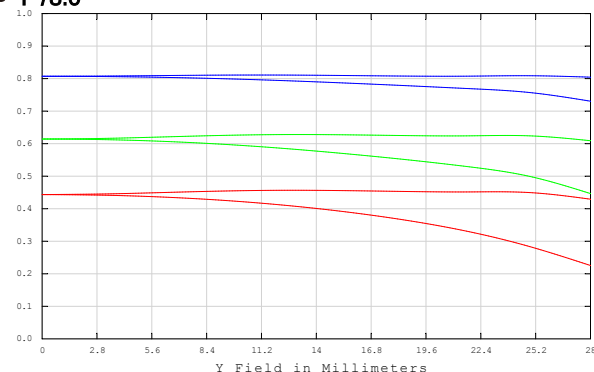
● Modulation Transfer Function(MTF)

$\beta' = 0.15X$, W.D.= 417 mm

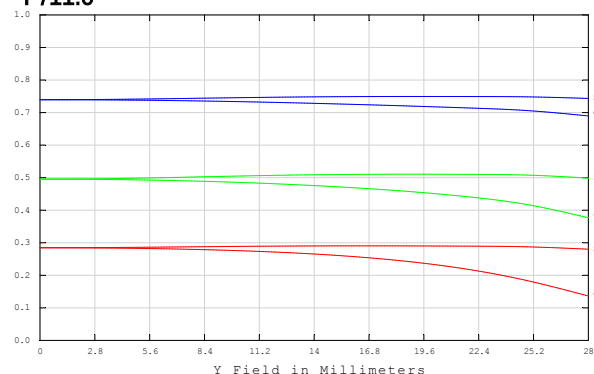
● f /5.4



● f /8.0



● f /11.0

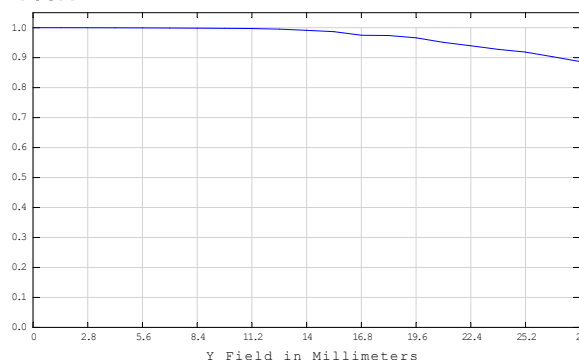


- | | |
|---|---|
| ☒ S1 : 33 lp/mm-Sagittal | ☒ T1 : 33 lp/mm-Tangential |
| ☒ S2 : 66 lp/mm-Sagittal | ☒ T2 : 66 lp/mm-Tangential |
| ☒ S3 : 100 lp/mm-Sagittal | ☒ T3 : 100 lp/mm-Tangential |

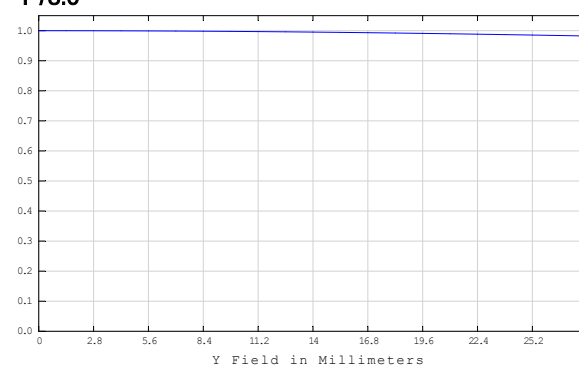
● Vignetting

$\beta' = 0.15X$, W.D.= 417 mm

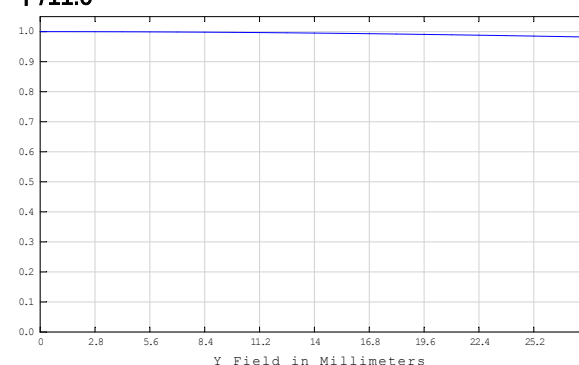
● f /5.4



● f /8.0



● f /11.0



● Distortion



f /11.0, $\beta' = 0.70$
W.D.= 208 mm

● Entrance Pupil Position (入瞳位置) : -160.55 mm

● Exit Pupil Position (出瞳位置) : -193.28 mm

● 1st Principal Point (第一主点) : -115.12 mm

● 2nd Principal Point (第二主点) : -197.01 mm

(*:Measured with respect to Image Plane, W.D.= 208 mm)