

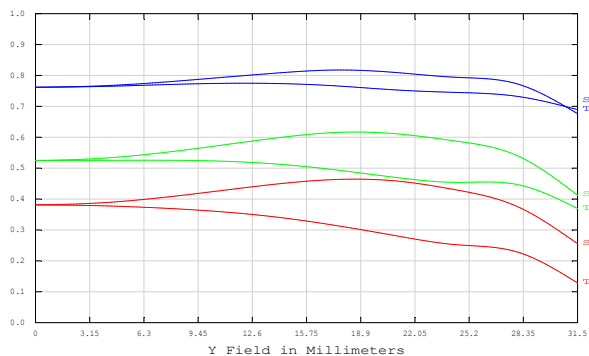
Hawk Series Line Scan Lenses

#OPT-VHK120/5.8-1.0X $\beta' = 0.97X \sim 1.04X$ F5.8 IMA= 63 mm EFFL= 120 mm

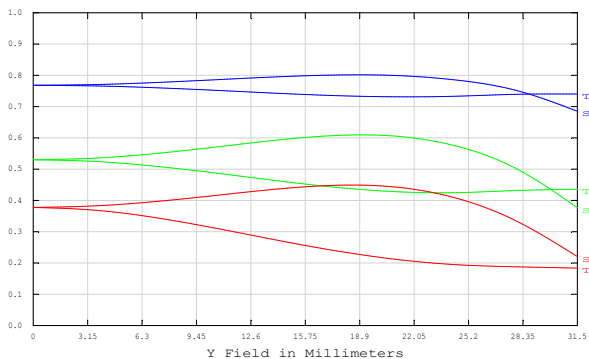
● Modulation Transfer Function(MTF)

$\beta' = 0.97X$, W.D.=174.5 mm

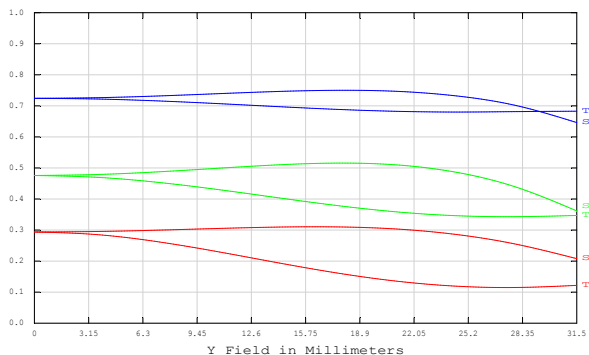
● f /5.8



● f /8.0



● f /11.0

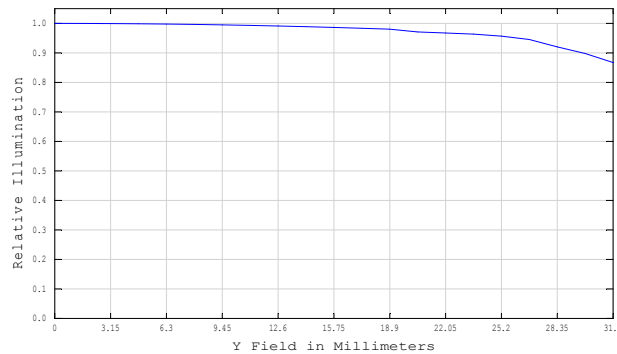


- ☒ S1 : 30 lp/mm-Sagittal
- ☒ T1 : 30 lp/mm-Tangential
- ☒ S2 : 60 lp/mm-Sagittal
- ☒ T2 : 60 lp/mm-Tangential
- ☒ S3 : 100 lp/mm-Sagittal
- ☒ T3 : 100 lp/mm-Tangential

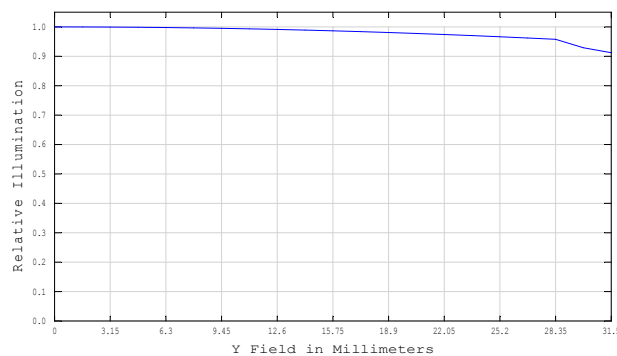
● Vignetting

$\beta' = 0.97X$, W.D.=174.5 mm

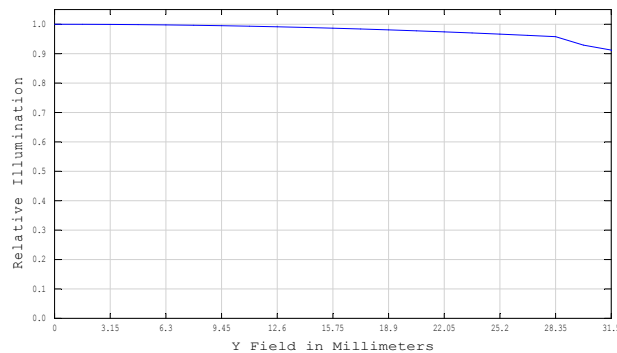
● f /5.8



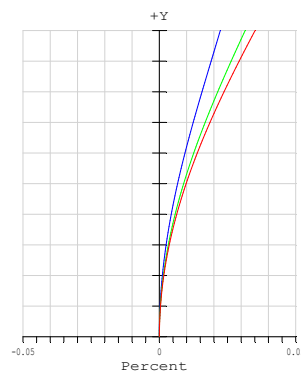
● f /8.0



● f /11.0



● Distortion



f /5.8 , $\beta' = 0.97X$

W.D.=174.5 mm

- Entrance Pupil Position (入瞳位置) : -134.79 mm
 - Exit Pupil Position (出瞳位置) : -212.12 mm
 - 1st Principal Point (第一主点) : -129.78 mm
 - 2nd Principal Point (第二主点) : -253.88 mm
- (*:Measured with respect to Image Plane, W.D.= 174.5 mm)

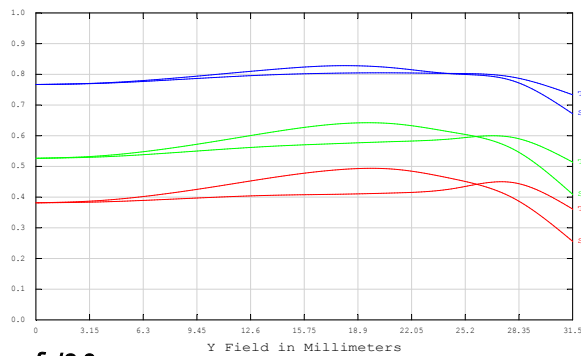
Hawk Series Line Scan Lenses

#OPT-VHK120/5.8-1.0X $\beta' = 0.97X \sim 1.04X$ F5.8 IMA= 63 mm EFL= 120 mm

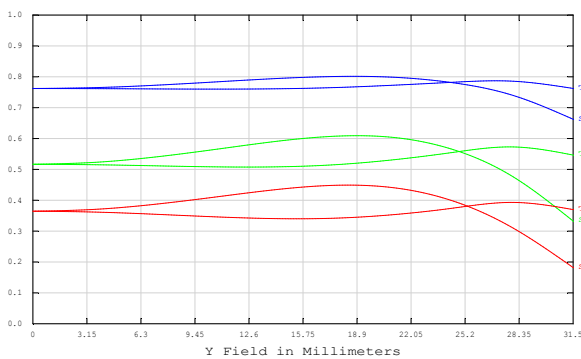
● Modulation Transfer Function(MTF)

$\beta' = 1.0X$, W.D.=171 mm

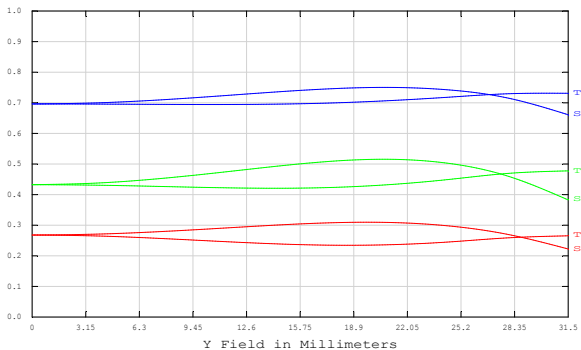
● f /5.8



● f /8.0



● f /11.0

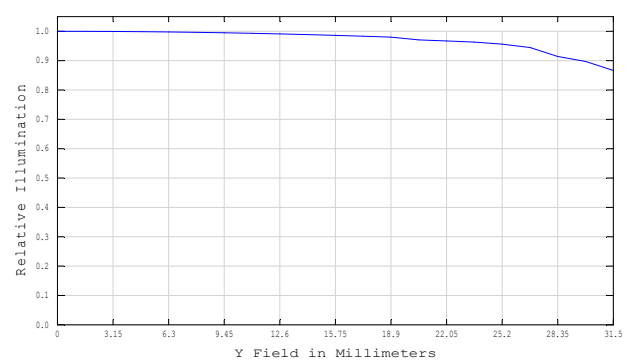


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|---|---|
| ☒ S1 : 30 lp/mm-Sagittal | ☒ T1 : 30 lp/mm-Tangential |
| ☒ S2 : 60 lp/mm-Sagittal | ☒ T2 : 60 lp/mm-Tangential |
| ☒ S3 : 100 lp/mm-Sagittal | ☒ T3 : 100 lp/mm-Tangential |

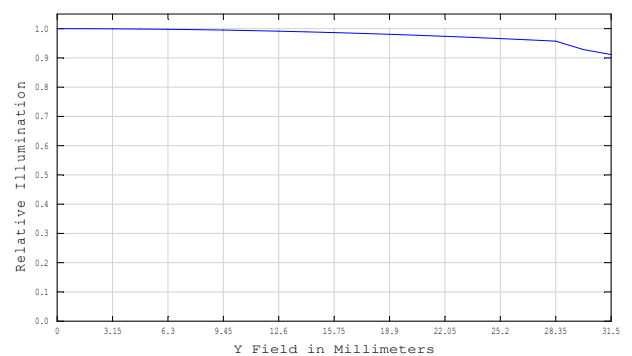
● Vignetting

$\beta' = 1.0X$, W.D.=171 mm

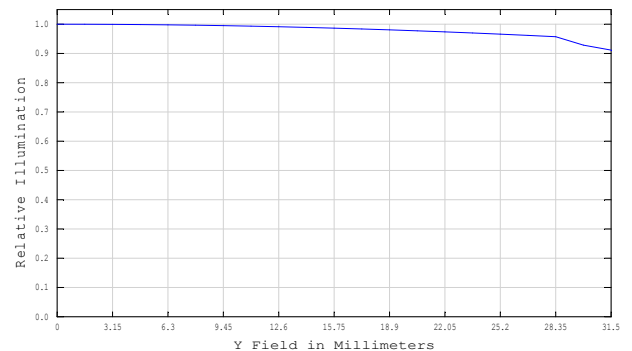
● f /5.8



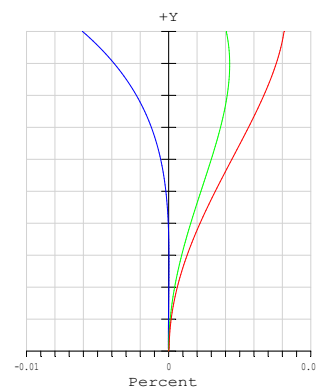
f /8.0



● f /11.0



● Distortion



f /5.8 , $\beta' = 1.0X$

W.D.= 171 mm

● Entrance Pupil Position (入瞳位置) : -138.18 mm

● Exit Pupil Position (出瞳位置) : -215.51 mm

● 1st Principal Point (第一主点) : -133.17 mm

● 2nd Principal Point (第二主点) : -239.26 mm

(*:Measured with respect to Image Plane, W.D.= 171 mm)

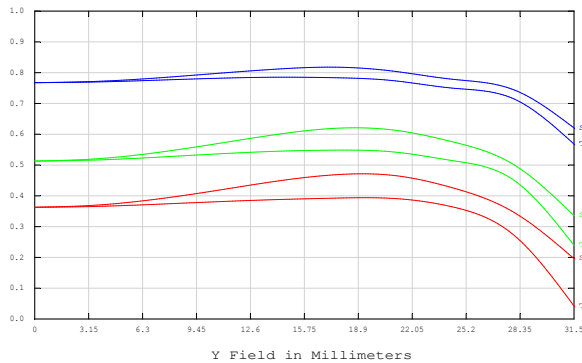
Hawk Series Line Scan Lenses

#OPT-VHK120/5.8-1.0X $\beta' = 0.97X \sim 1.04X$ F5.8 IMA= 63 mm EFFL= 120 mm

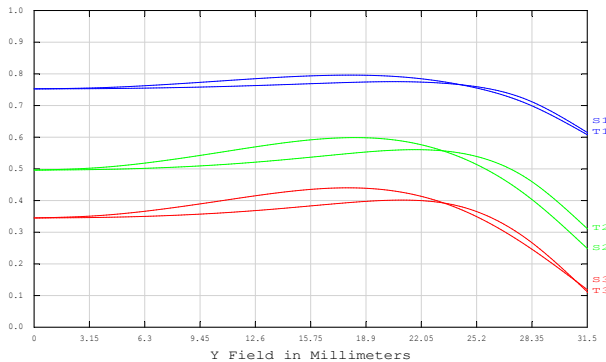
● Modulation Transfer Function(MTF)

$\beta' = 1.04X$, W.D.= 166.5 mm

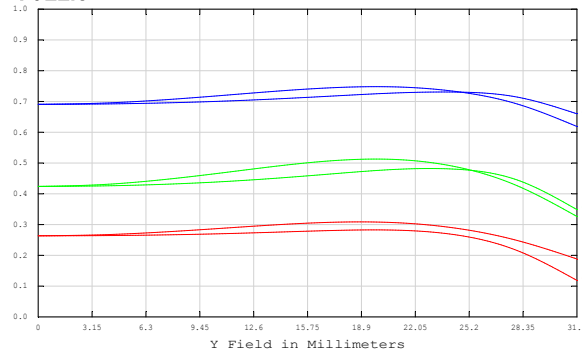
● f /5.8



● f /8.0



● f /11.0

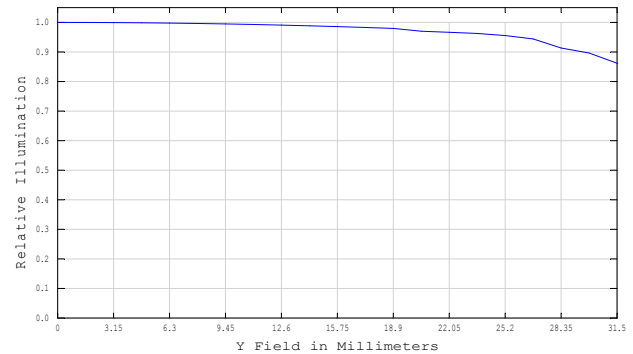


- | | |
|---|---|
| ☒ S1 : 30 lp/mm-Sagittal | ☒ T1 : 30 lp/mm-Tangential |
| ☒ S2 : 60 lp/mm-Sagittal | ☒ T2 : 60 lp/mm-Tangential |
| ☒ S3 : 100 lp/mm-Sagittal | ☒ T3 : 100 lp/mm-Tangential |

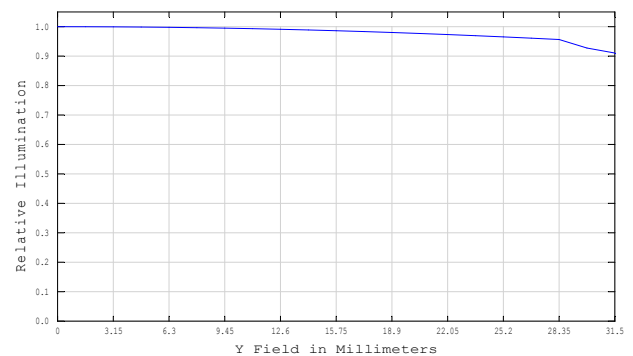
● Vignetting

$\beta' = 1.04X$, W.D.= 166.5 mm

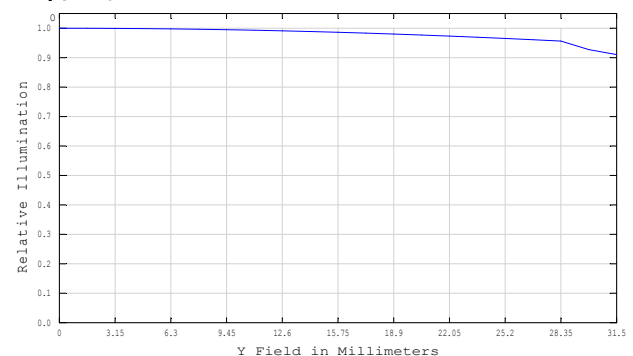
● f /5.8



● f /8.0



● f /11.0



● Distortion



f /5.8 , $\beta' = 1.04X$

W.D.=166.5 mm

- Entrance Pupil Position (入瞳位置) : -142.83 mm
 - Exit Pupil Position (出瞳位置) : -220.16 mm
 - 1st Principal Point (第一主点) : -137.82 mm
 - 2nd Principal Point (第二主点) : -243.92 mm
- (*:Measured with respect to Image Plane, W.D.= 166.5 mm)