

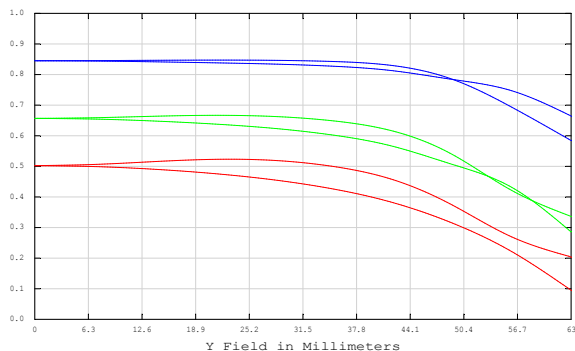
Hawk Series Line Scan Lenses

#OPT-VHK116/8.6-2.0X $\beta' = 1.9X \sim 2.1X$ F8.6 IMA= 126 mm EFFL= 116 mm

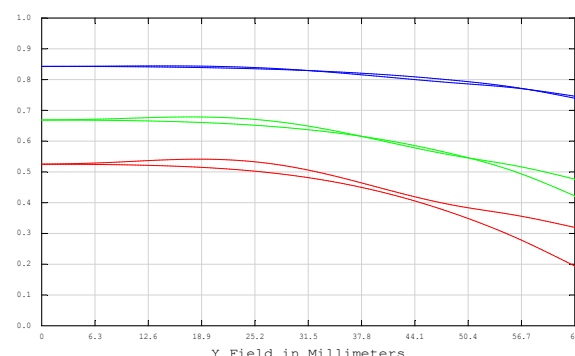
● Modulation Transfer Function(MTF)

$\beta' = 1.9X$, W.D.= 100 mm

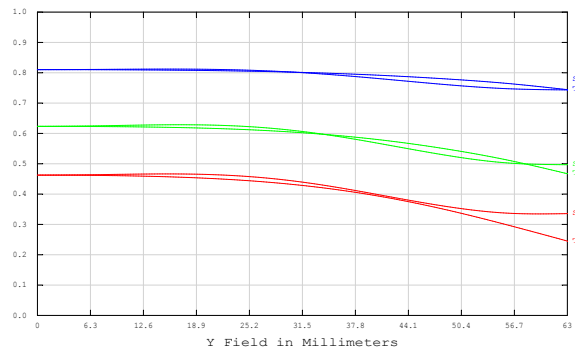
● f/8.6



● f/11.0



● f/16.0

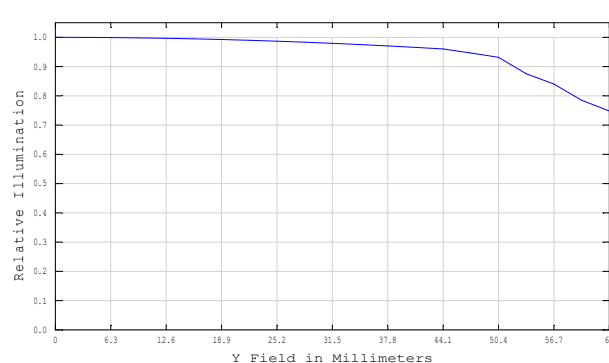


- ☒ S1 : 15 lp/mm-Sagittal
- ☒ T1 : 15 lp/mm-Tangential
- ☒ S2 : 30 lp/mm-Sagittal
- ☒ T2 : 30 lp/mm-Tangential
- ☒ S3 : 50 lp/mm-Sagittal
- ☒ T3 : 50 lp/mm-Tangential

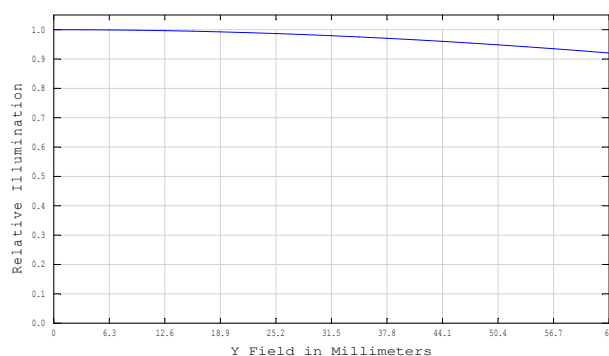
● Vignetting

$\beta' = 1.9X$, W.D.= 100 mm

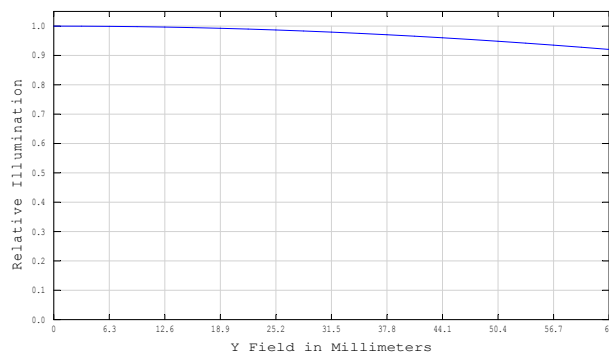
● f/8.6



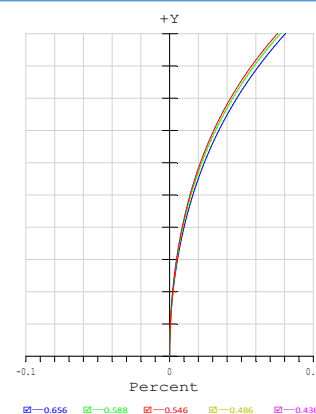
● f/11.0



● f/16.0



● Distortion



f/8.6, $\beta' = 1.9X$

W.D.= 100 mm

● Entrance Pupil Position (入瞳位置) : -279.92 mm

● Exit Pupil Position (出瞳位置) : -335.29 mm

● 1st Principal Point (第一主点) : -280.83 mm

● 2nd Principal Point (第二主点) : -336.20 mm

(*:Measured with respect to Image Plane, W.D.= 100 mm)

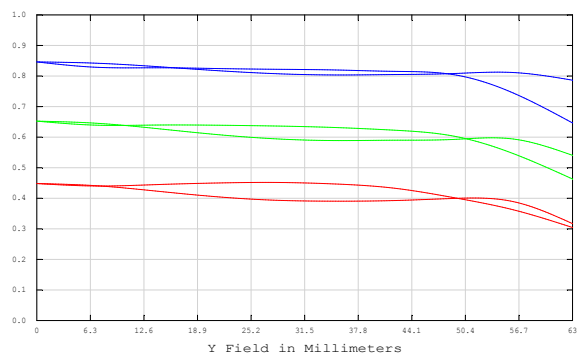
Hawk Series Line Scan Lenses

#OPT-VHK116/8.6-2.0X $\beta' = 1.9X \sim 2.1X$ F8.6 IMA= 126 mm EFFL= 116 mm

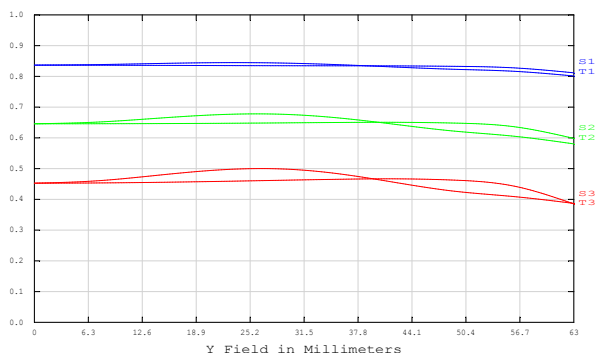
● Modulation Transfer Function(MTF)

$\beta' = 2.0X$, W.D.=97 mm

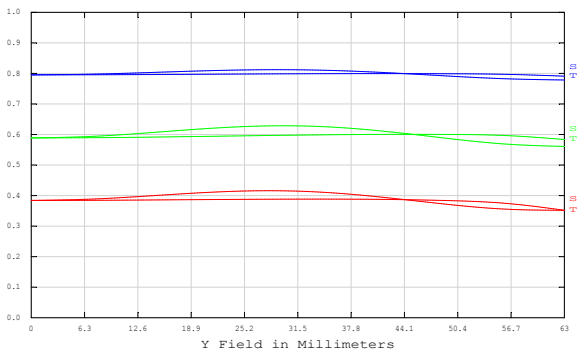
● f /8.6



● f /11.0



● f /16.0

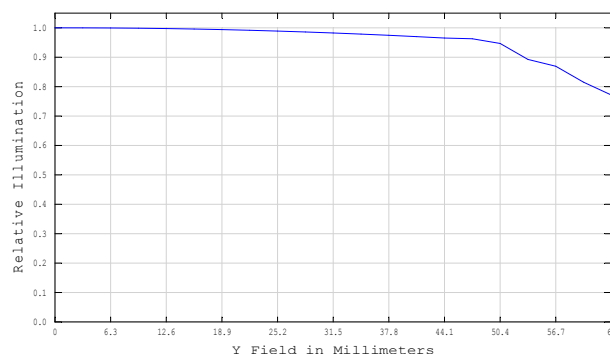


- ☒ S1 : 15 lp/mm-Sagittal
- ☒ T1 : 15 lp/mm-Tangential
- ☒ S2 : 30 lp/mm-Sagittal
- ☒ T2 : 30 lp/mm-Tangential
- ☒ S3 : 50 lp/mm-Sagittal
- ☒ T3 : 50 lp/mm-Tangential

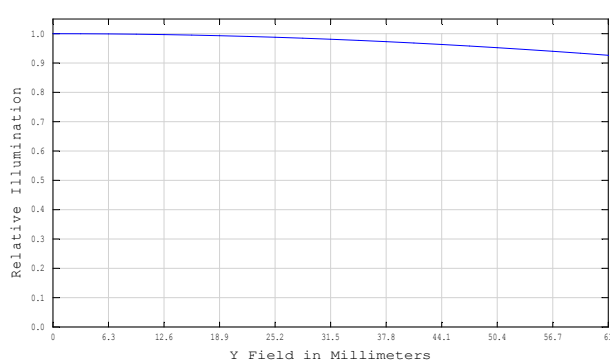
● Vignetting

$\beta' = 2.0X$, W.D.= 97 mm

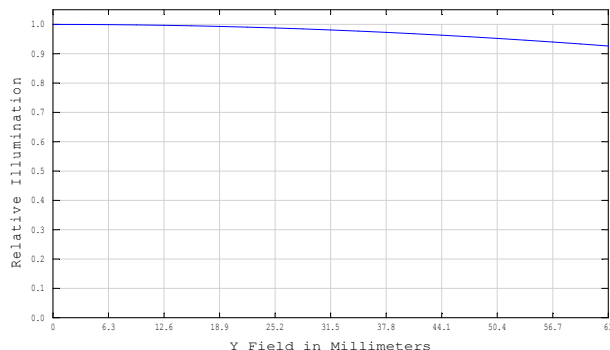
● f /8.6



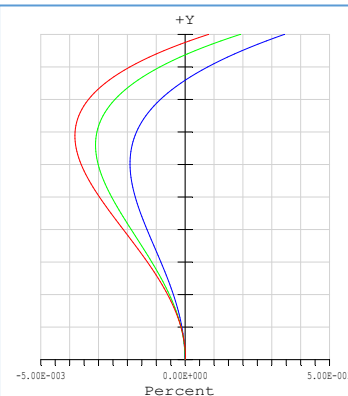
f /11.0



● f /16.0



● Distortion



f /8.6, $\beta' = 2.0X$

W.D.=97 mm

● Entrance Pupil Position (入瞳位置) : -291.03 mm

● Exit Pupil Position (出瞳位置) : -346.40 mm

● 1st Principal Point (第一主点) : -291.95 mm

● 2nd Principal Point (第二主点) : -347.32 mm

(*:Measured with respect to Image Plane, W.D.= 97 mm)

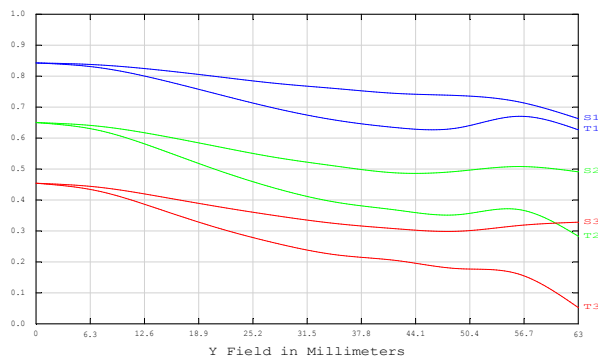
Hawk Series Line Scan Lenses

#OPT-VHK116/8.6-2.0X $\beta' = 1.9X \sim 2.1X$ F8.6 IMA= 126 mm EFL= 116 mm

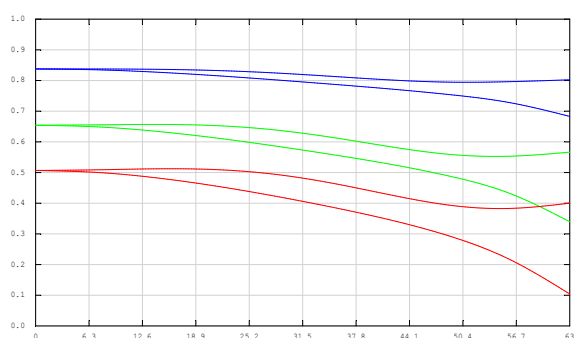
● Modulation Transfer Function(MTF)

$\beta' = 2.1X$, W.D.= 94.5mm

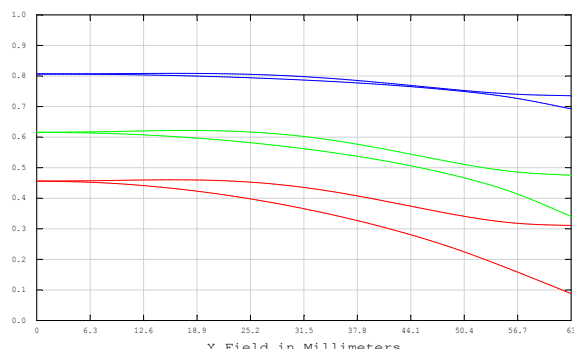
● f /8.6



● f /11.0



● f /16.0



☒ S1 : 15 lp/mm-Sagittal

☒ T1 : 15 lp/mm-Tangential

☒ S2 : 30 lp/mm-Sagittal

☒ T2 : 30 lp/mm-Tangential

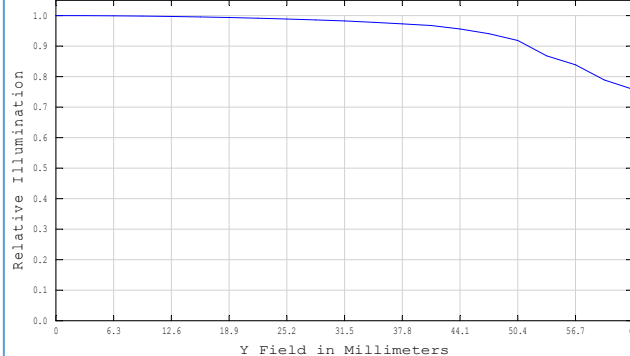
☒ S3 : 50 lp/mm-Sagittal

☒ T3 : 50 lp/mm-Tangential

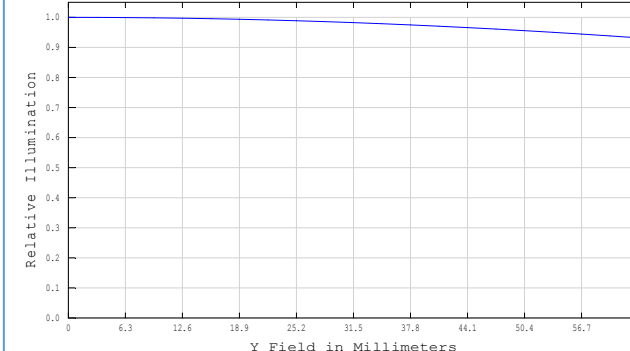
● Vignetting

$\beta' = 2.1X$, W.D.= 94.5 mm

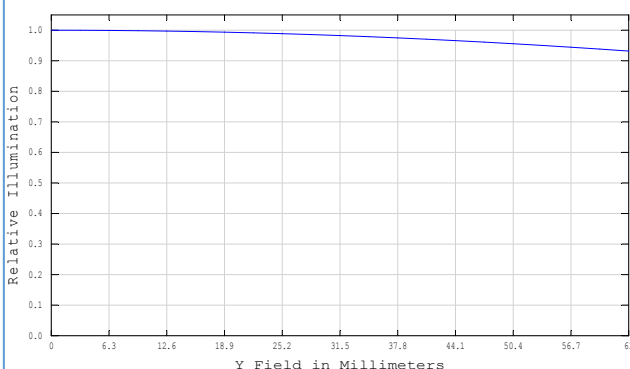
● f /8.6



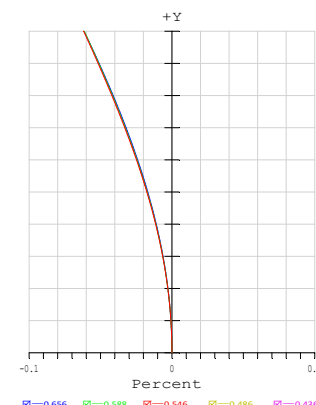
● f /11.0



● f /16.0



● Distortion



f /8.6, $\beta' = 2.1X$

W.D.= 94.5 mm

● Entrance Pupil Position (入瞳位置) : -302.34 mm

● Exit Pupil Position (出瞳位置) : -357.73mm

● 1st Principal Point (第一主点) : -303.26 mm

● 2nd Principal Point (第二主点) : -358.64 mm

(*:Measured with respect to Image Plane, W.D.= 94.5 mm)