

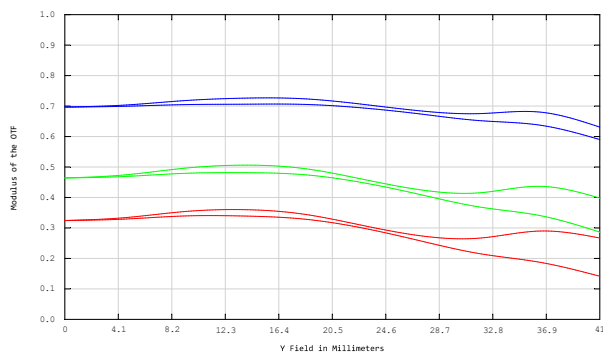
Grampus Series Line Scan Lenses

#OPT-VGP116/4.8-0.75X $\beta' = 0.65X \sim 0.85X$ F4.8 IMA= 82 mm EFL= 116 mm

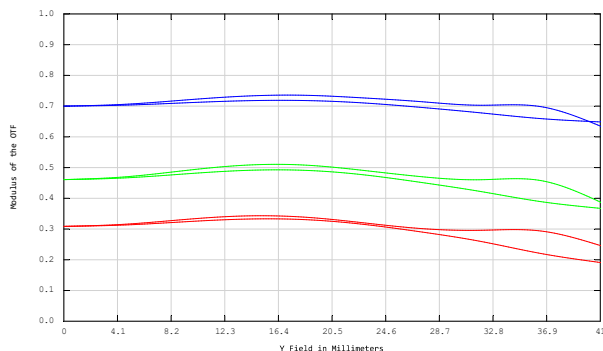
● Modulation Transfer Function(MTF)

$\beta' = 0.65X$, W.D.= 254 mm

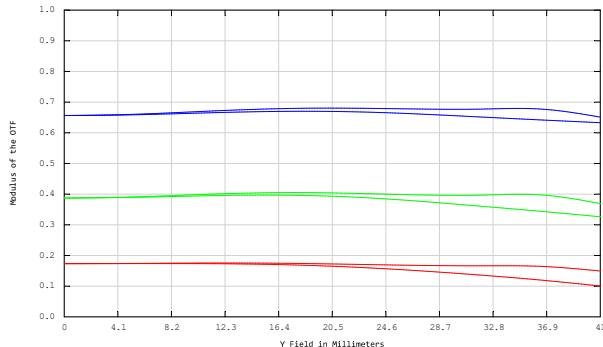
● f /4.8



● f /5.6



● f /8.0

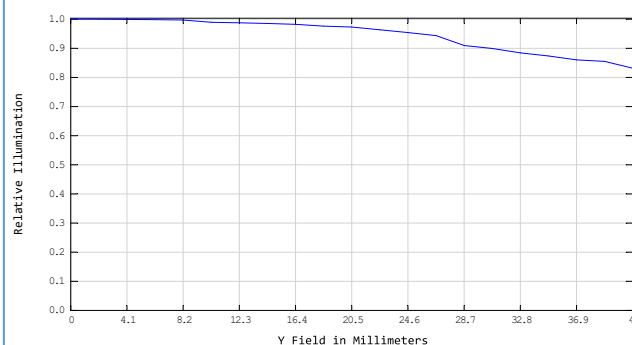


- ☒ S1 : 33 lp/mm-Sagittal
- ☒ T1 : 33 lp/mm-Tangential
- ☒ S2 : 66 lp/mm-Sagittal
- ☒ T2 : 66 lp/mm-Tangential
- ☒ S3 : 100 lp/mm-Sagittal
- ☒ T3 : 100 lp/mm-Tangential

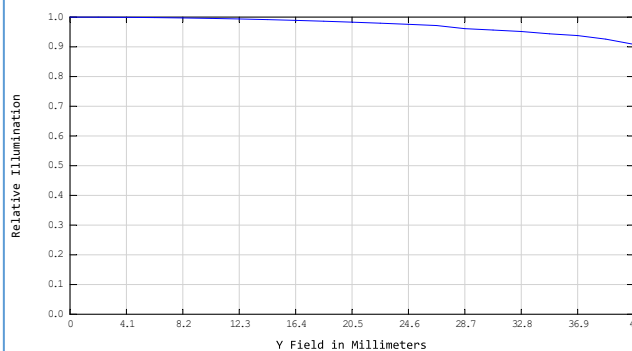
● Vignetting

$\beta' = 0.65X$, W.D.= 254 mm

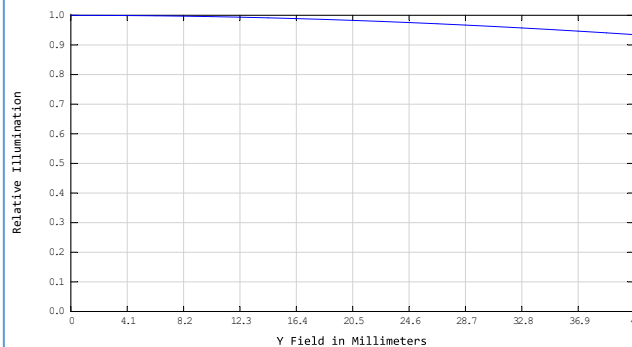
● f /4.8



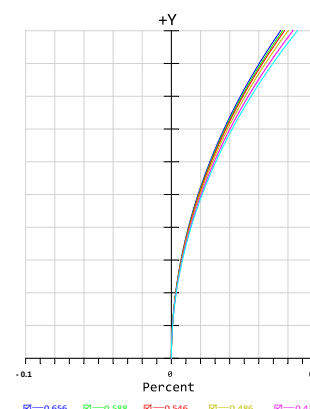
● f /5.6



● f /8.0



● Distortion



f /8.0 , $\beta' = 0.65X$

W.D.= 254 mm

- Entrance Pupil Position (入瞳位置) : -188.76 mm
 - Exit Pupil Position (出瞳位置) : -189.21 mm
 - 1st Principal Point (第一主点) : -158.365 mm
 - 2nd Principal Point (第二主点) : -191.32 mm
- (*:Measured with respect to Image Plane, W.D.= 254 mm)

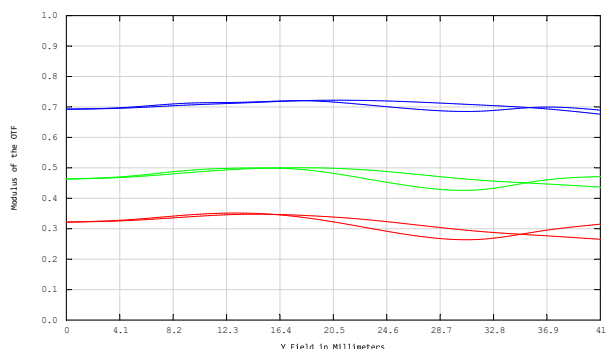
Grampus Series Line Scan Lenses

#OPT-VGP116/4.8-0.75X $\beta' = 0.65X \sim 0.85X$ F4.8 IMA= 82 mm EFFL= 116 mm

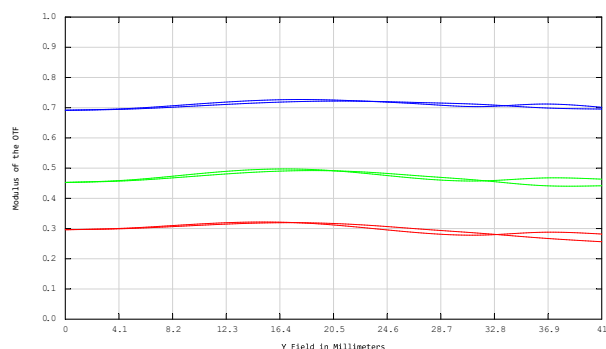
● Modulation Transfer Function(MTF)

$\beta' = 0.75X$, W.D.= 230.2 mm

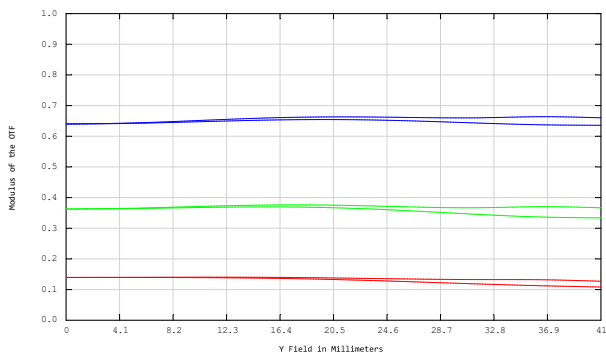
● f /4.8



● f /5.6



● f /8.0

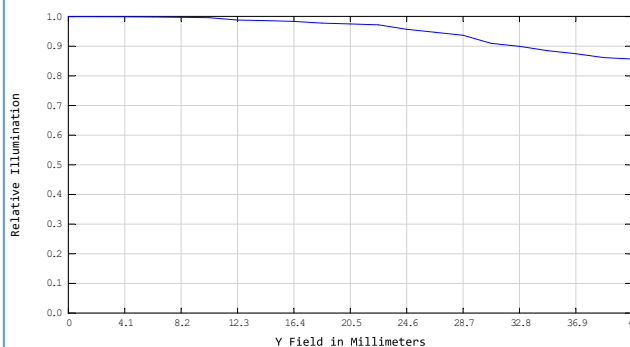


- | | |
|---|---|
| ☒ S1 : 33 lp/mm-Sagittal | ☒ T1 : 33 lp/mm-Tangential |
| ☒ S2 : 66 lp/mm-Sagittal | ☒ T2 : 66 lp/mm-Tangential |
| ☒ S3 : 100 lp/mm-Sagittal | ☒ T3 : 100 lp/mm-Tangential |

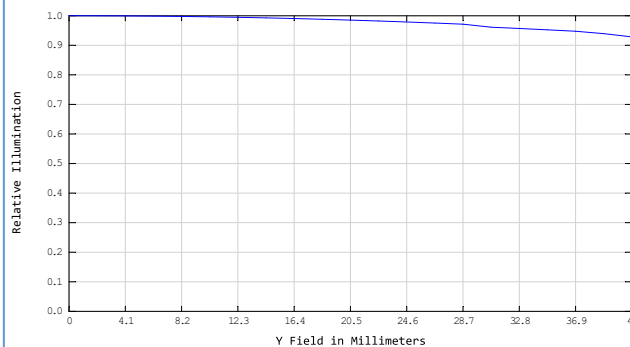
● Vignetting

$\beta' = 0.75X$, W.D.= 230.2 mm

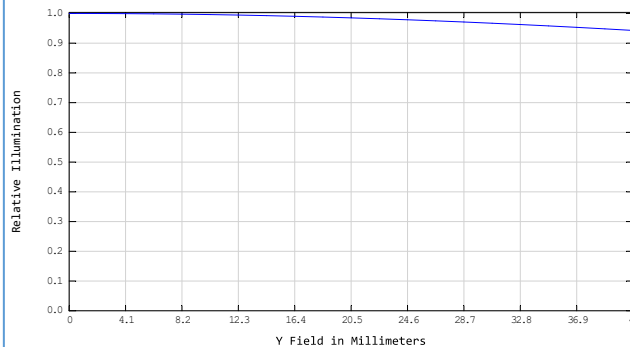
● f /4.8



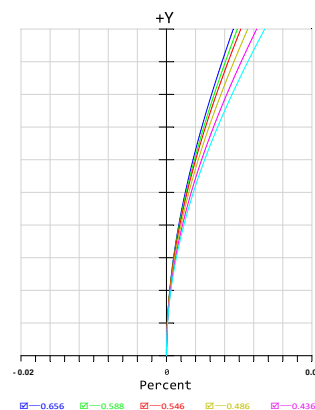
● f /5.6



● f /8.0



● Distortion



f /8.0 , $\beta' = 0.75X$

W.D.= 230.2 mm

● Entrance Pupil Position (入瞳位置) : -200.35 mm

● Exit Pupil Position (出瞳位置) : -200.80 mm

● 1st Principal Point (第一主点) : -169.01 mm

● 2nd Principal Point (第二主点) : -202.91 mm

(*:Measured with respect to Image Plane, W.D.= 230.2 mm)

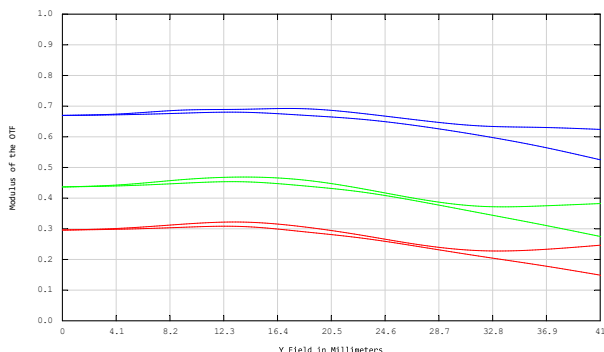
Grampus Series Line Scan Lenses

#OPT-VGP116/4.8-0.75X $\beta' = 0.65X \sim 0.85X$ F4.8 IMA= 82 mm EFL= 116 mm

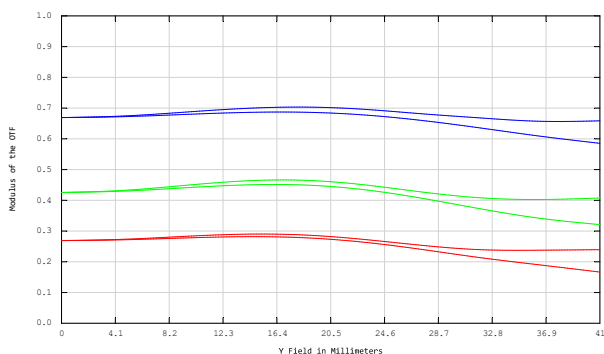
● Modulation Transfer Function(MTF)

$\beta' = 0.85X$, W.D.= 212 mm

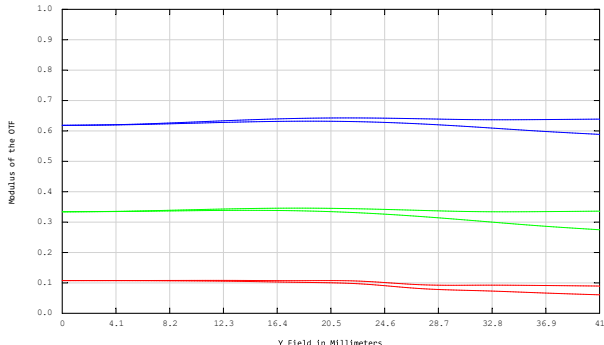
● f /4.8



● f /5.6



● f /8.0

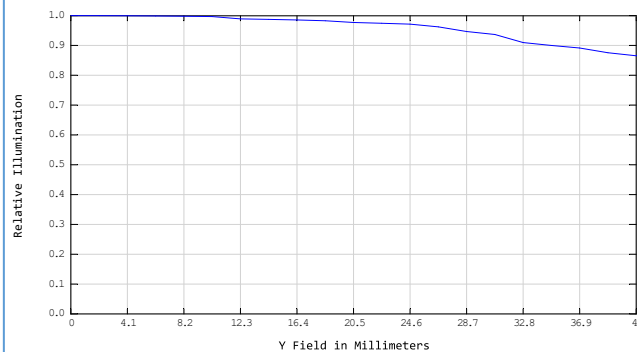


- ☒ S1 : 33 lp/mm-Sagittal
- ☒ T1 : 33 lp/mm-Tangential
- ☒ S2 : 66 lp/mm-Sagittal
- ☒ T2 : 66 lp/mm-Tangential
- ☒ S3 : 100 lp/mm-Sagittal
- ☒ T3 : 100 lp/mm-Tangential

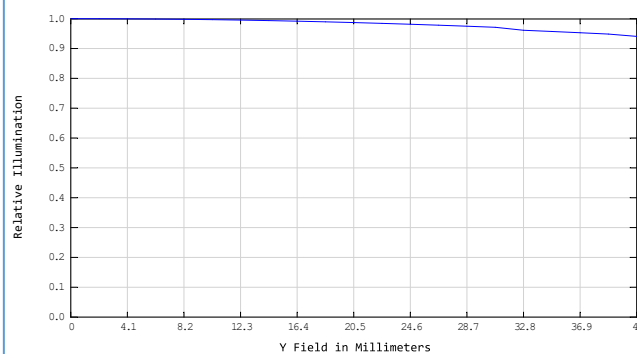
● Vignetting

$\beta' = 0.85X$, W.D.= 212 mm

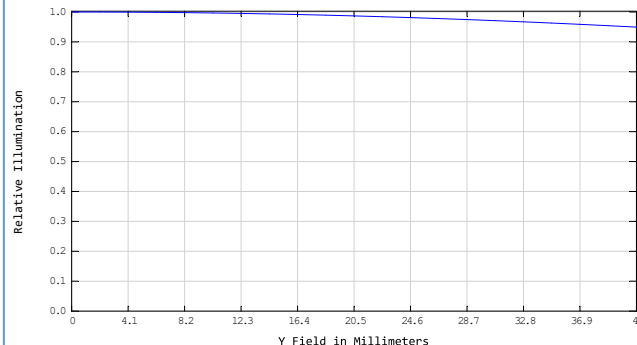
● f /4.8



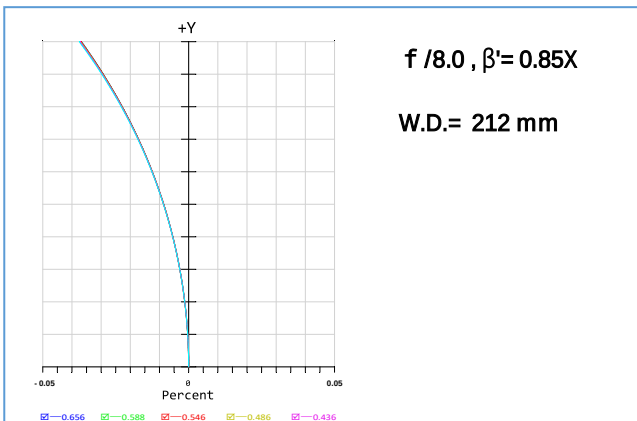
● f /5.6



● f /8.0



● Distortion



● Entrance Pupil Position (入瞳位置) : -211.94 mm

● Exit Pupil Position (出瞳位置) : -212.39 mm

● 1st Principal Point (第一主点) : -180.62 mm

● 2nd Principal Point (第二主点) : -214.5 mm

(*:Measured with respect to Image Plane, W.D.= 212 mm)