

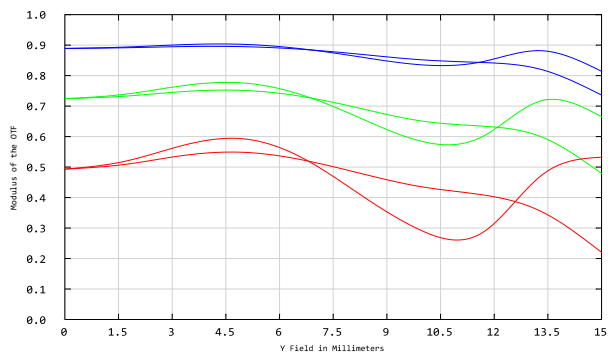
Coloretto Series Line Scan Lenses

#OPT-VCT20/4.5-0.10X $\beta' = 0.04X \sim 0.22X$ F4.5 IMA= 30 mm EFFL= 21 mm

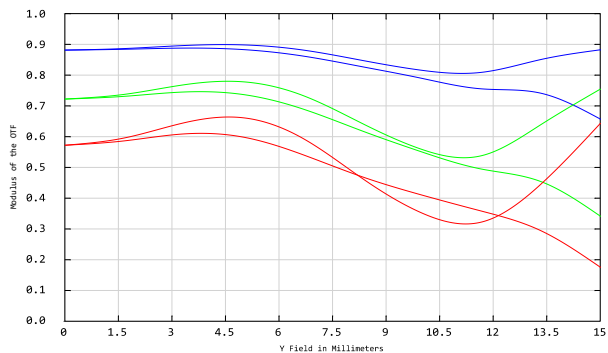
● Modulation Transfer Function(MTF)

$\beta' = 0.04X$, W.D.= 514 mm

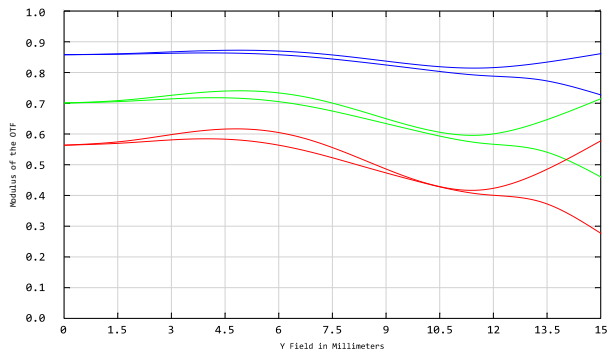
● f/4.5



● f/5.6



● f/8.0

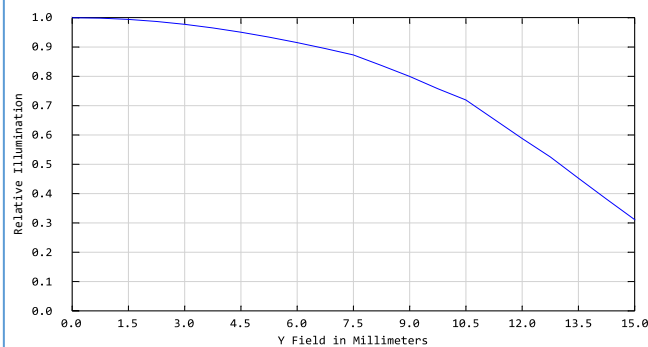


- ☒ S1 : 20 lp/mm-Sagittal
- ☒ T1 : 20 lp/mm-Tangential
- ☒ S2 : 40 lp/mm-Sagittal
- ☒ T2 : 40 lp/mm-Tangential
- ☒ S3 : 70 lp/mm-Sagittal
- ☒ T3 : 70 lp/mm-Tangential

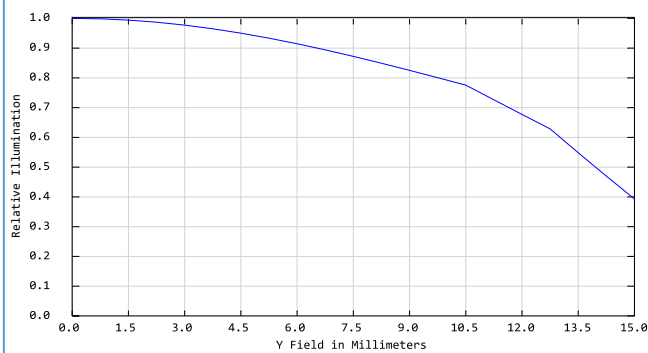
● Vignetting

$\beta' = 0.04X$, W.D.= 514 mm

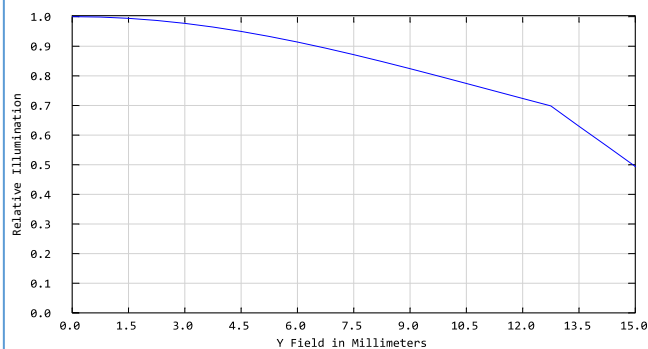
● f/4.5



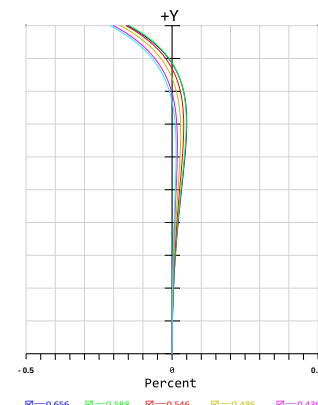
● f/5.6



● f/8.0



● Distortion



f/4.5, $\beta' = 0.04X$

W.D.= 514 mm

● Entrance Pupil Position (入瞳位置) : -34.95 mm

● Exit Pupil Position (出瞳位置) : -23.60 mm

● 1st Principal Point (第一主点) : -33.28 mm

● 2nd Principal Point (第二主点) : -21.78 mm

(*:Measured with respect to Image Plane, W.D.= 514 mm)

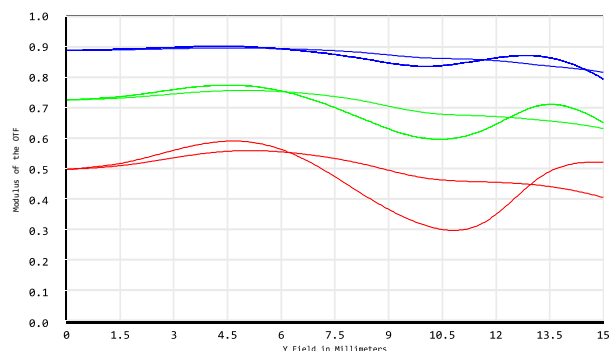
Coloretto Series Line Scan Lenses

#OPT-VCT20/4.5-0.10X $\beta' = 0.04X \sim 0.22X$ F4.5 IMA= 30 mm EFFL= 21 mm

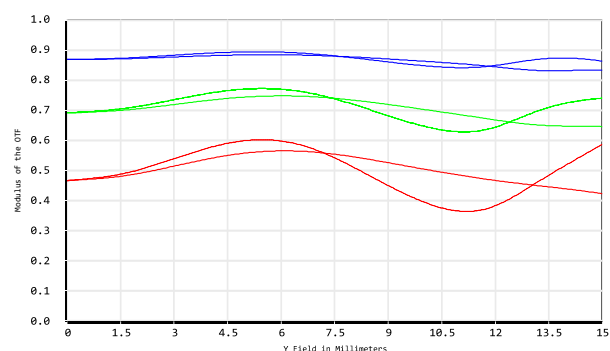
● Modulation Transfer Function(MTF)

$\beta' = 0.10X$, W.D.= 209.5 mm

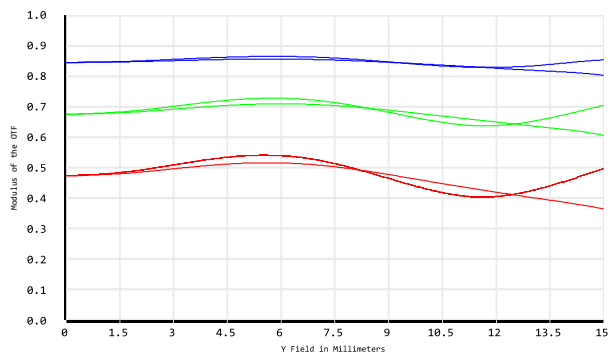
● f /4.5



● f /5.6



● f /8.0



☒ S1 : 20 lp/mm-Sagittal

☒ T1 : 20 lp/mm-Tangential

☒ S2 : 40 lp/mm-Sagittal

☒ T2 : 40 lp/mm-Tangential

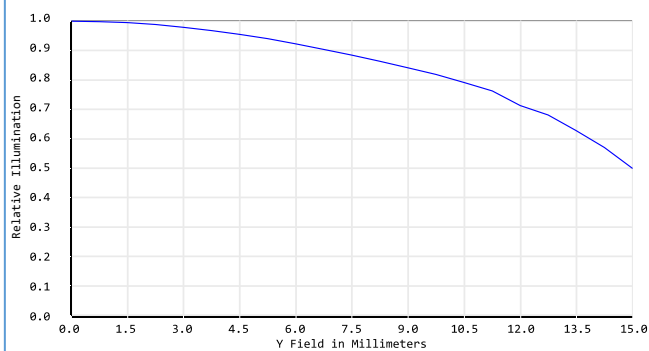
☒ S3 : 70 lp/mm-Sagittal

☒ T3 : 70 lp/mm-Tangential

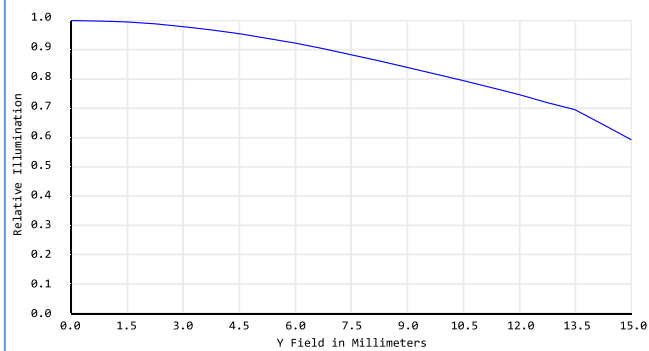
● Vignetting

$\beta' = 0.10X$, W.D.= 209.5 mm

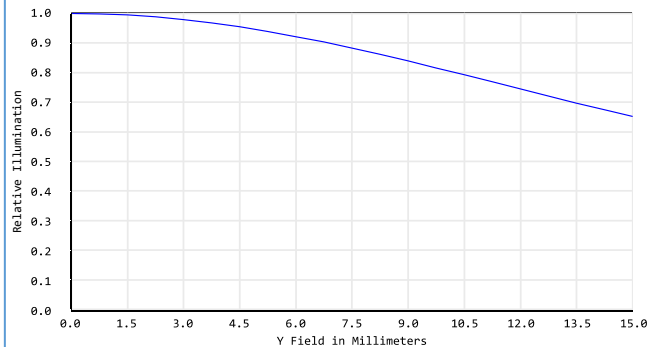
● f /4.5



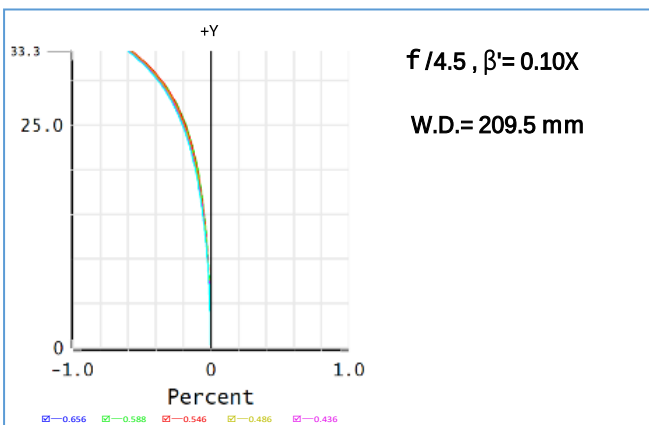
f /5.6



● f /8.0



● Distortion



● Entrance Pupil Position (入瞳位置) : -36.20 mm

● Exit Pupil Position (出瞳位置) : -24.85 mm

● 1st Principal Point (第一主点) : -34.53 mm

● 2nd Principal Point (第二主点) : -23.03 mm

(*:Measured with respect to Image Plane, W.D.= 209.5 mm)

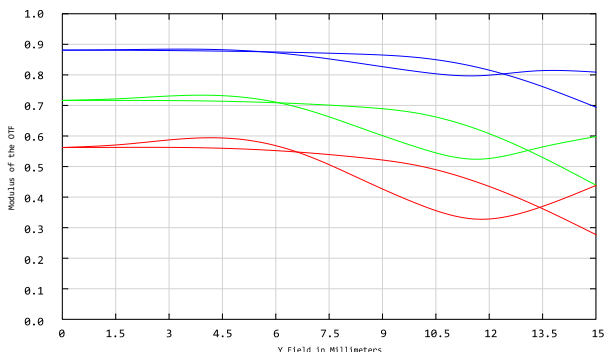
Coloretto Series Line Scan Lenses

#OPT-VCT25/4.5-0.10X $\beta' = 0.04X \sim 0.22X$ F4.5 IMA= 30 mm EFFL= 21 mm

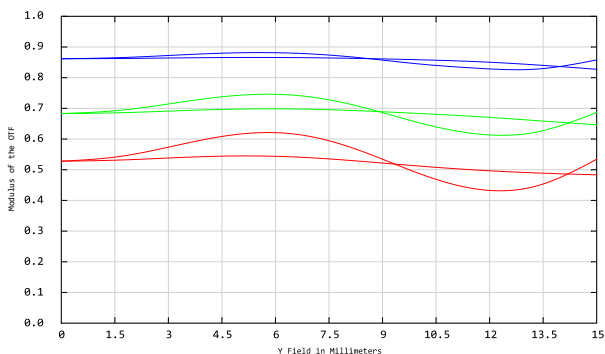
● Modulation Transfer Function(MTF)

$\beta' = 0.22X$, W.D.= 95 mm

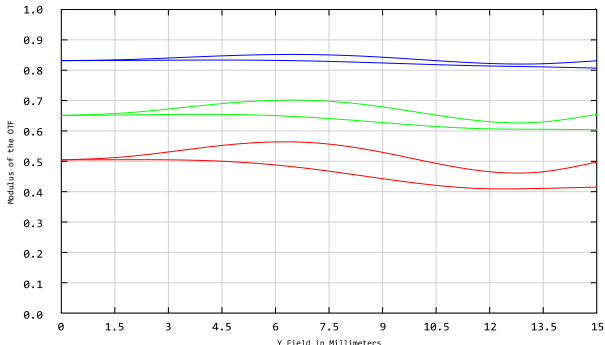
● f /4.5



● f /5.6



● f /8.0

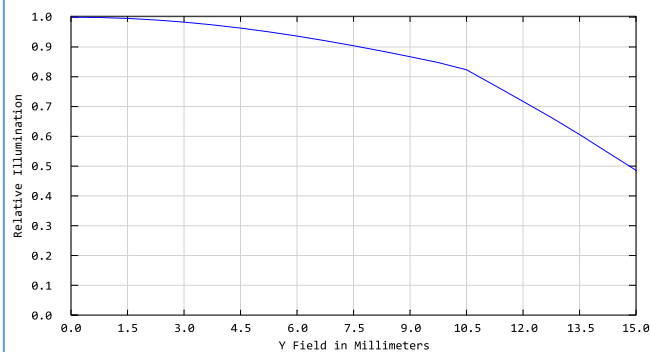


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|--|--|
| ☒ S1 : 20 lp/mm-Sagittal | ☒ T1 : 20 lp/mm-Tangential |
| ☒ S2 : 40 lp/mm-Sagittal | ☒ T2 : 40 lp/mm-Tangential |
| ☒ S3 : 70 lp/mm-Sagittal | ☒ T3 : 70 lp/mm-Tangential |

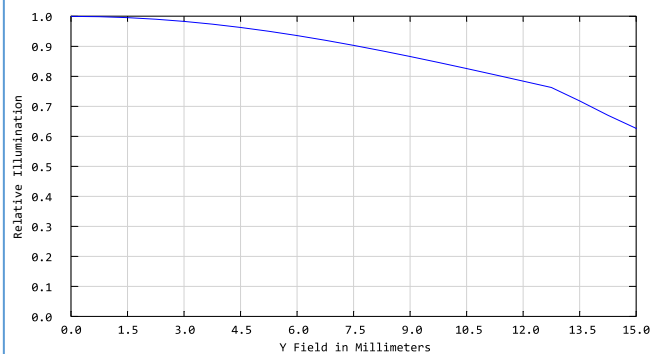
● Vignetting

$\beta' = 0.22X$, W.D.= 95 mm

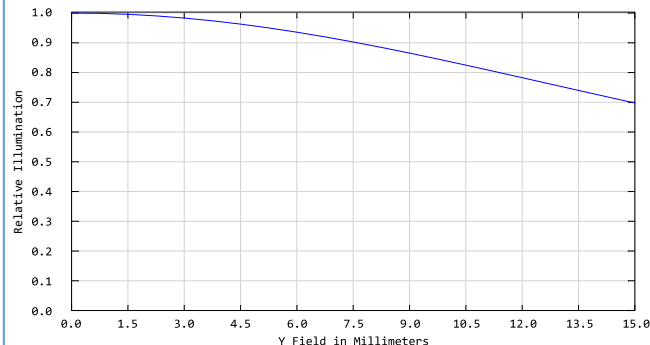
● f /4.5



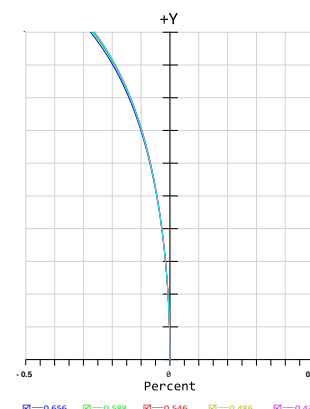
● f /5.6



● f /8.0



● Distortion



f /4.5, $\beta' = 0.22X$

W.D.= 95 mm

● Entrance Pupil Position (入瞳位置) : -38.75 mm

● Exit Pupil Position (出瞳位置) : -27.40 mm

● 1st Principal Point (第一主点) : -37.08 mm

● 2nd Principal Point (第二主点) : -25.58 mm

(*:Measured with respect to Image Plane, W.D.= 95 mm)