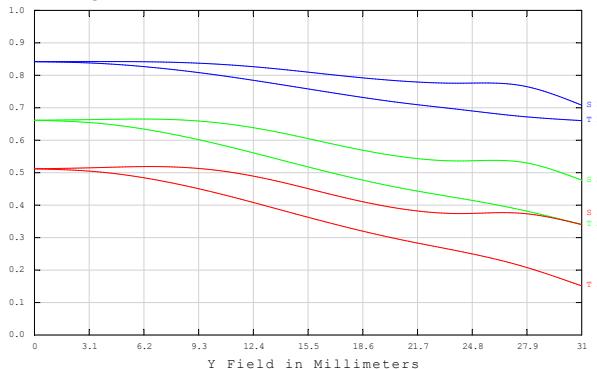


# HAWK 线扫描镜头

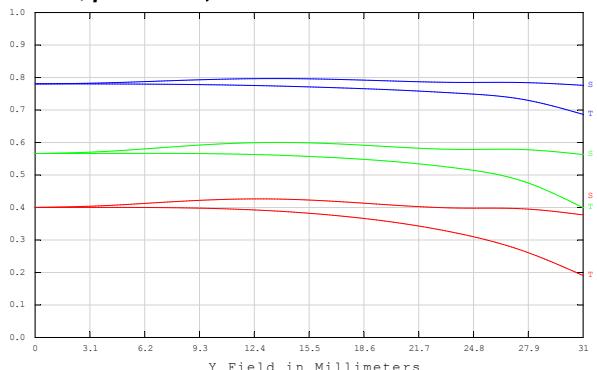
OPT-MHK60/5.1-0.07X  $\beta' = 0.02X - 0.15X$  F5.1 IMA = 63mm EFL=60mm

## ● Modulation Transfer Function(MTF)

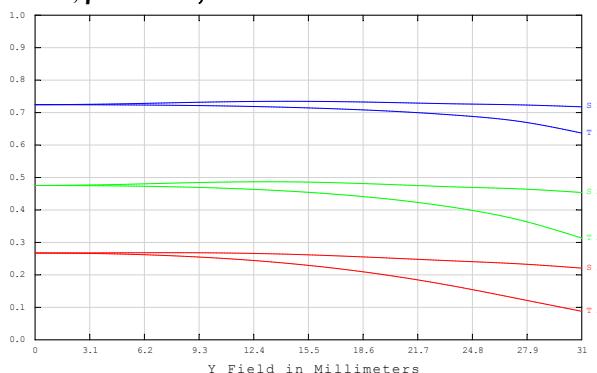
### ● F5.1, $\beta' = 0.02X$ , W.D.=3017mm



### ● F8.0, $\beta' = 0.02X$ , W.D.=3017mm



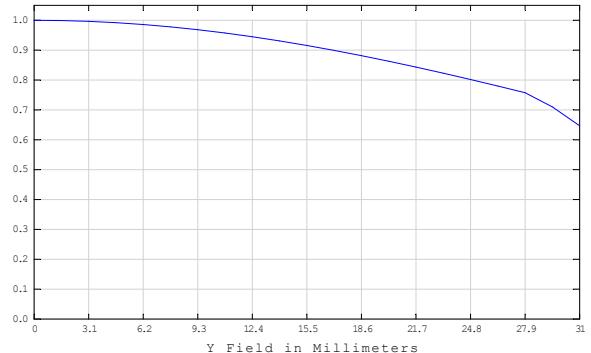
### ● F11, $\beta' = 0.02X$ , W.D.=3017mm



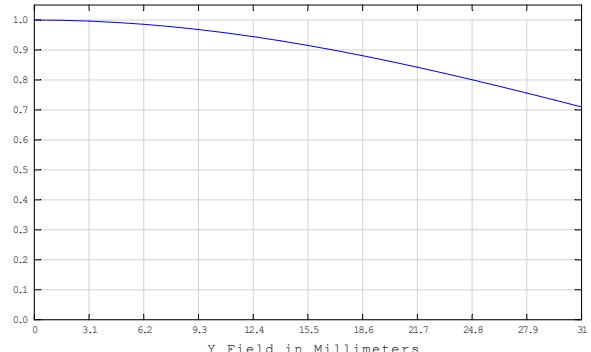
- S1——Sagittal : 33lp/mm     T1——Meridional: 33lp/mm
- S2——Sagittal : 66lp/mm     T2——Meridional: 66lp/mm
- S3——Sagittal : 100lp/mm     T3——Meridional: 100lp/mm

## ● Vignetting

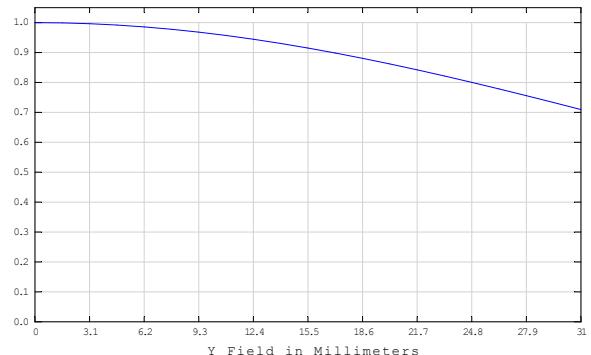
### ● F5.1, $\beta' = 0.02X$ , W.D.=3017mm



### ● F8.0, $\beta' = 0.02X$ , W.D.=3017mm

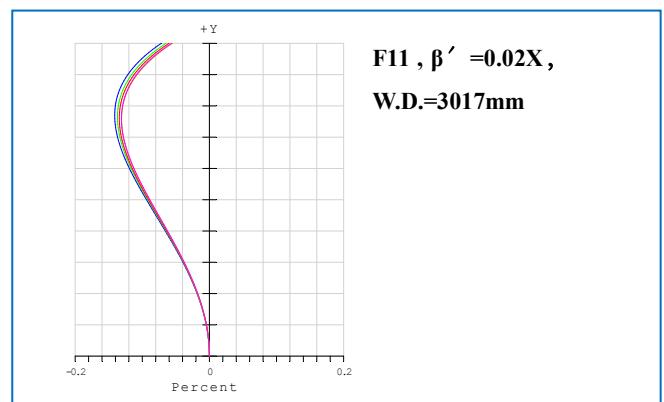


### ● F11, $\beta' = 0.02X$ , W.D.=3017mm



- Entrance Pupil Position (入瞳位置) : -91.13mm
- Exit Pupil Position (出瞳位置) : -61.79mm
- 1st Principal Point (第一主点) : -90.48mm
- 2nd Principal Point (第二主点) : -61.12mm
- (\*:Measured with respect to Image Plane, W.D.= 3017mm)

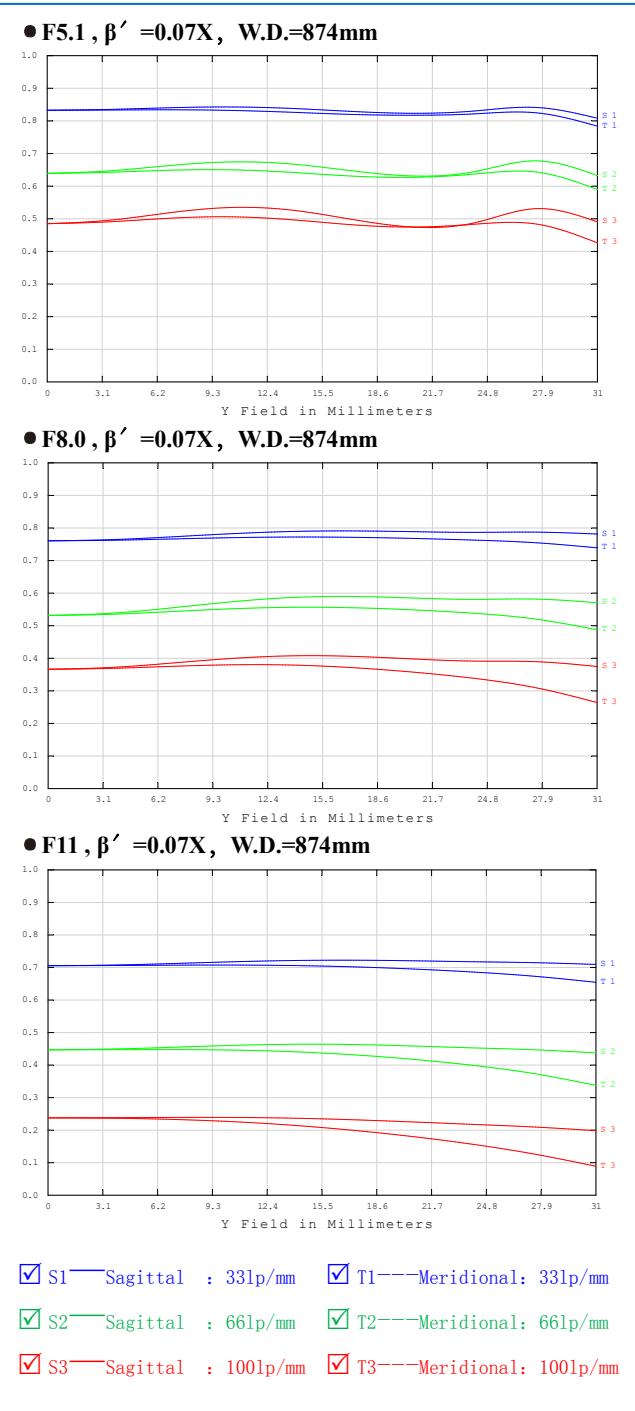
## ● Distortion



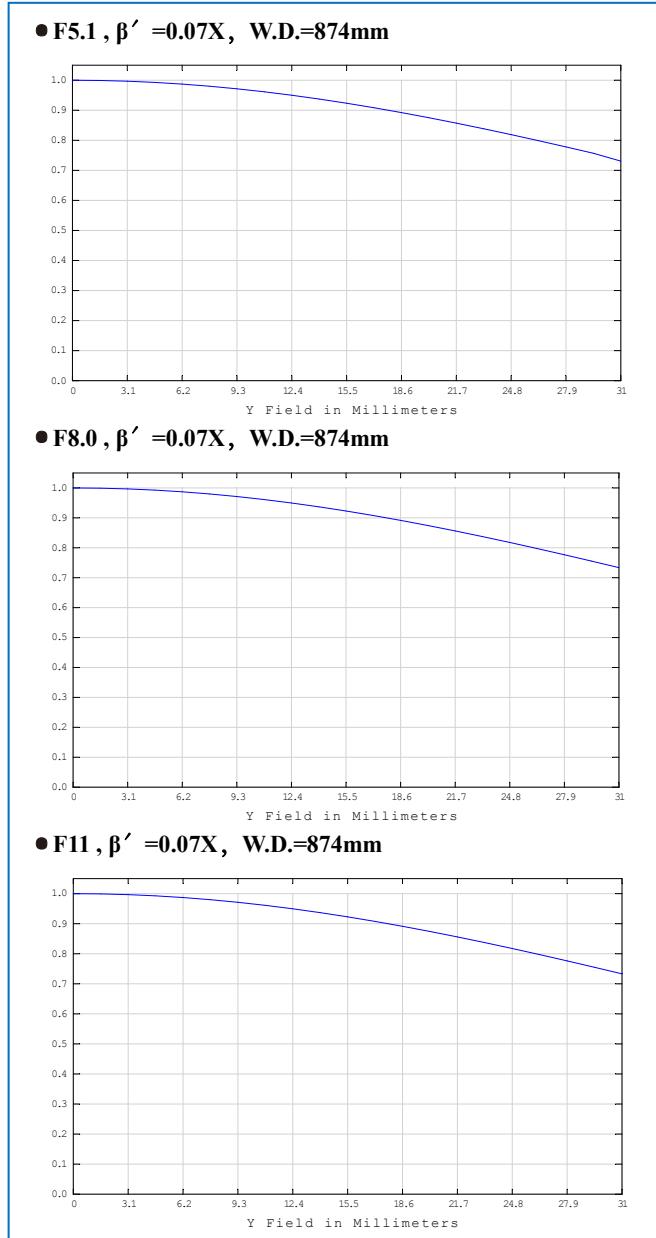
# HAWK 线扫描镜头

OPT-MHK60/5.1-0.07X  $\beta' = 0.02X - 0.15X$  F5.1 IMA = 63mm EFL=60mm

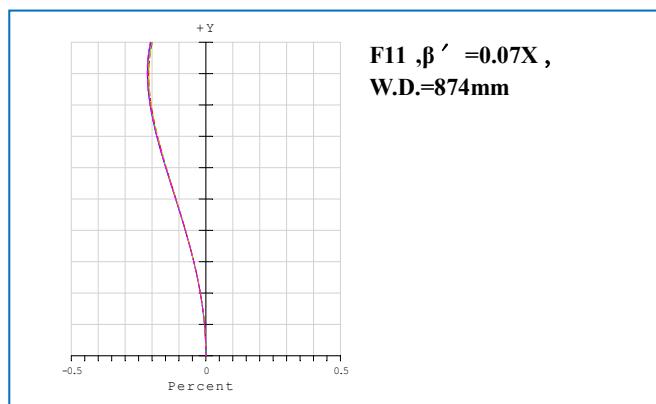
## ● Modulation Transfer Function(MTF)



## ● Vignetting



## ● Distortion



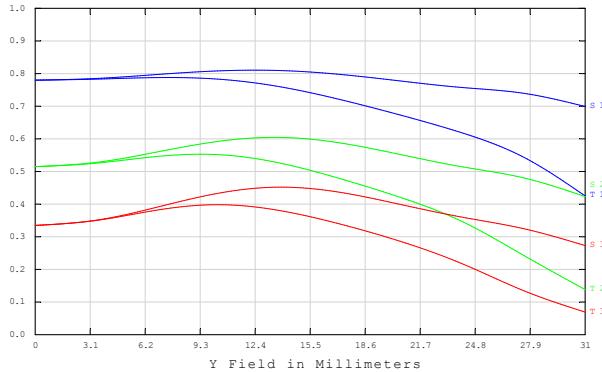
- Entrance Pupil Position (入瞳位置) : -94.13mm
  - Exit Pupil Position (出瞳位置) : -64.78mm
  - 1st Principal Point (第一主点) : -93.48mm
  - 2nd Principal Point (第二主点) : -64.12mm
- (\*:Measured with respect to Image Plane, W.D. = 874mm)

# HAWK 线扫描镜头

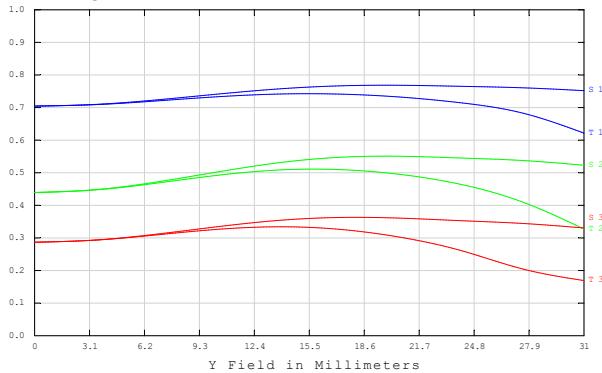
OPT-MHK60/5.1-0.07X  $\beta' = 0.02X - 0.15X$  F5.1 IMA = 63mm EFL=60mm

## ● Modulation Transfer Function(MTF)

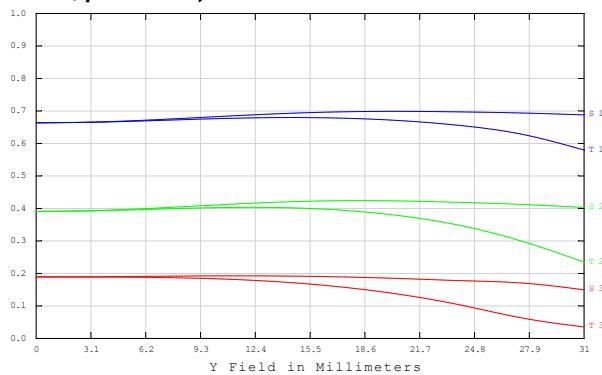
### ● F5.1, $\beta' = 0.15X$ , W.D.=417mm



### ● F8.0, $\beta' = 0.15X$ , W.D.=417mm



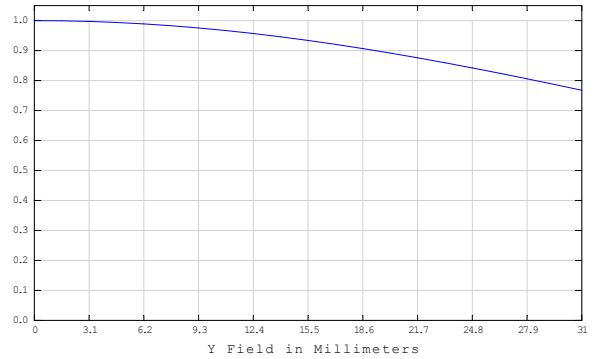
### ● F11, $\beta' = 0.15X$ , W.D.=417mm



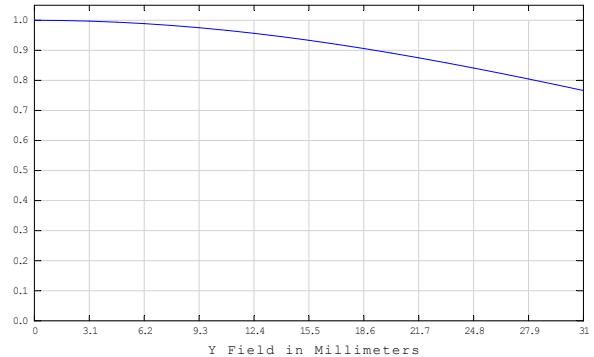
- S1——Sagittal : 33lp/mm     T1——Meridional: 33lp/mm
- S2——Sagittal : 66lp/mm     T2——Meridional: 66lp/mm
- S3——Sagittal : 100lp/mm     T3——Meridional: 100lp/mm

## ● Vignetting

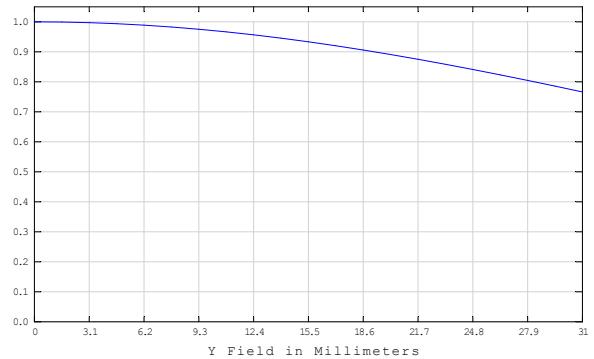
### ● F5.1, $\beta' = 0.15X$ , W.D.=417mm



### ● F8.0, $\beta' = 0.15X$ , W.D.=417mm



### ● F11, $\beta' = 0.15X$ , W.D.=417mm



● Entrance Pupil Position (入瞳位置) : -98.94mm

● Exit Pupil Position (出瞳位置) : -69.59mm

● 1st Principal Point (第一主点) : -98.29mm

● 2nd Principal Point (第二主点) : -68.93mm

(\*:Measured with respect to Image Plane, W.D.= 417mm)

F11,  $\beta' = 0.15X$ ,  
W.D.=417mm

