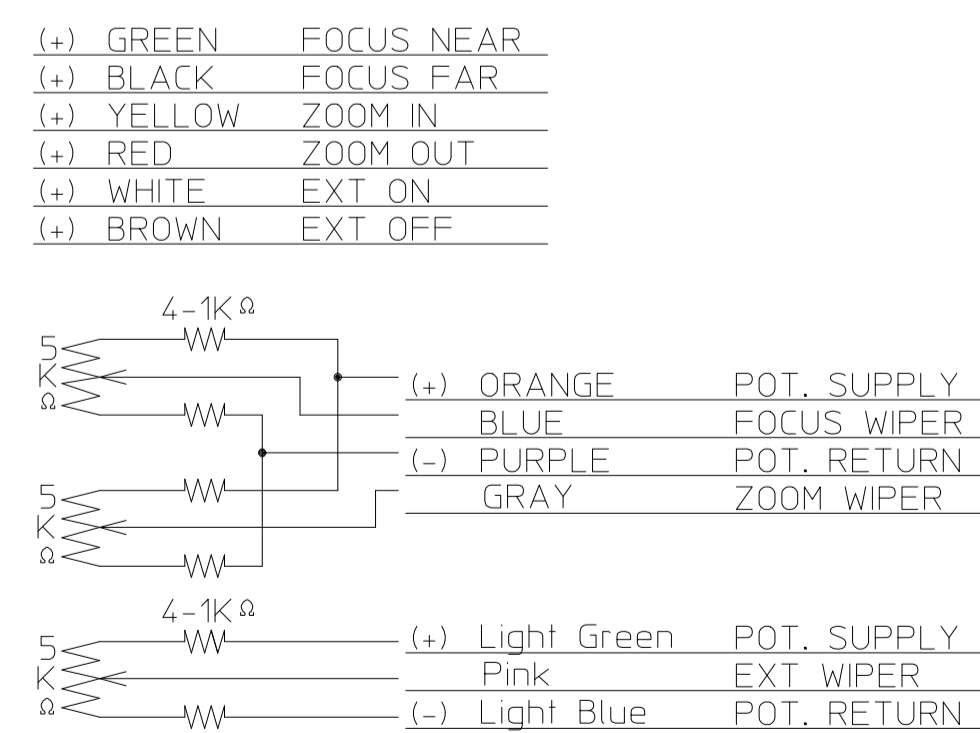


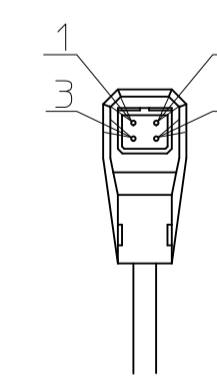
USE	1/1.8" (φ9mm)	
FOCAL LENGTH	f=20~1000mm	f=44~2200mm
IRIS RANGE	F=3.6~22 (Tele:F9.2)	F=7.7~22 (Tele:F19.8)
IMAGE SIZE	5.4x7.2mm (φ9)	
FIELD ANGLE	DIA.	(w) 25.1° (t) 0.53°
	HOR.	(w) 20.1° (t) 0.42°
	VER.	(w) 15.1° (t) 0.32°
FIELD OF VIEW AT M.O.D.	DIA.	(w) 2115mm (t) 44mm
	HOR.	(w) 1685mm (t) 35mm
	VER.	(w) 1260mm (t) 26mm
DISTORTION (TV)	(w)	-0.4% (t) -0.4%
	(w)	-0.6% (t) -0.6%
	(w)	-0.6% (t) -0.6%
FOCUS RANGE	∞~5.0m	
CREAR APERTURE	FRONT φ110mm	REAR φ17.9mm
EXIT PUPIL POSITION	105.2mm	
WEIGHT	5.6kg	
MOUNT	C-MOUNT	

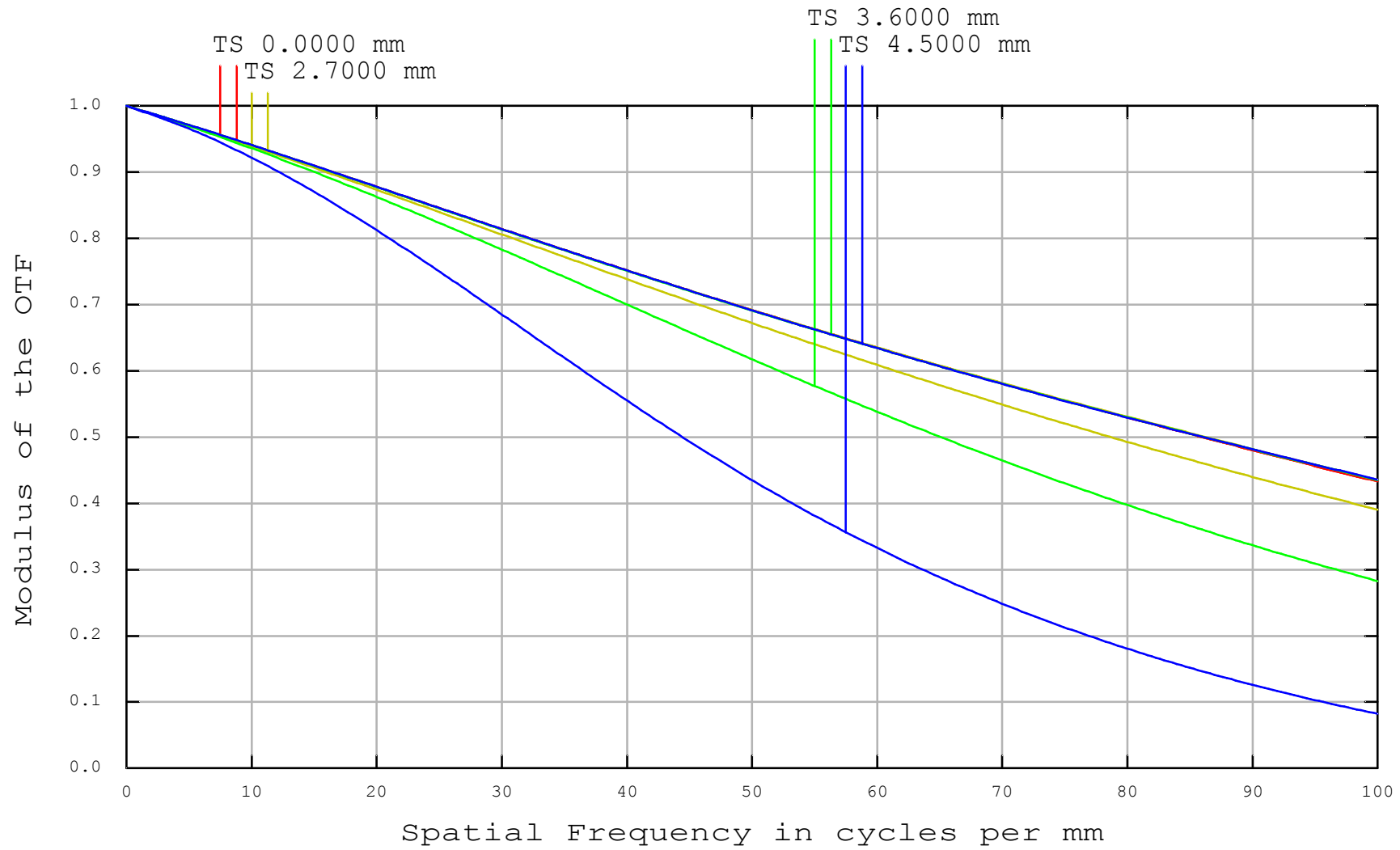
① MOTOR & POT. CABLE (FOCUS, ZOOM, EXTENDER)



② IRIS CABLE (DIRECT CONTROL)

DRIVE COIL	RESISTOR	190Ω (20°)
	COLOR	RED(+) 3pin BLACK 4pin
BRAKE COIL	RESISTOR	1150Ω (20°)
	COLOR	YELLOW(+) 2pin GREEN 1pin
DRIVE VOLT.	OPEN	LESS THAN +4V
	CLOSE	OVER THAN 0V W/CLOSING SPRING





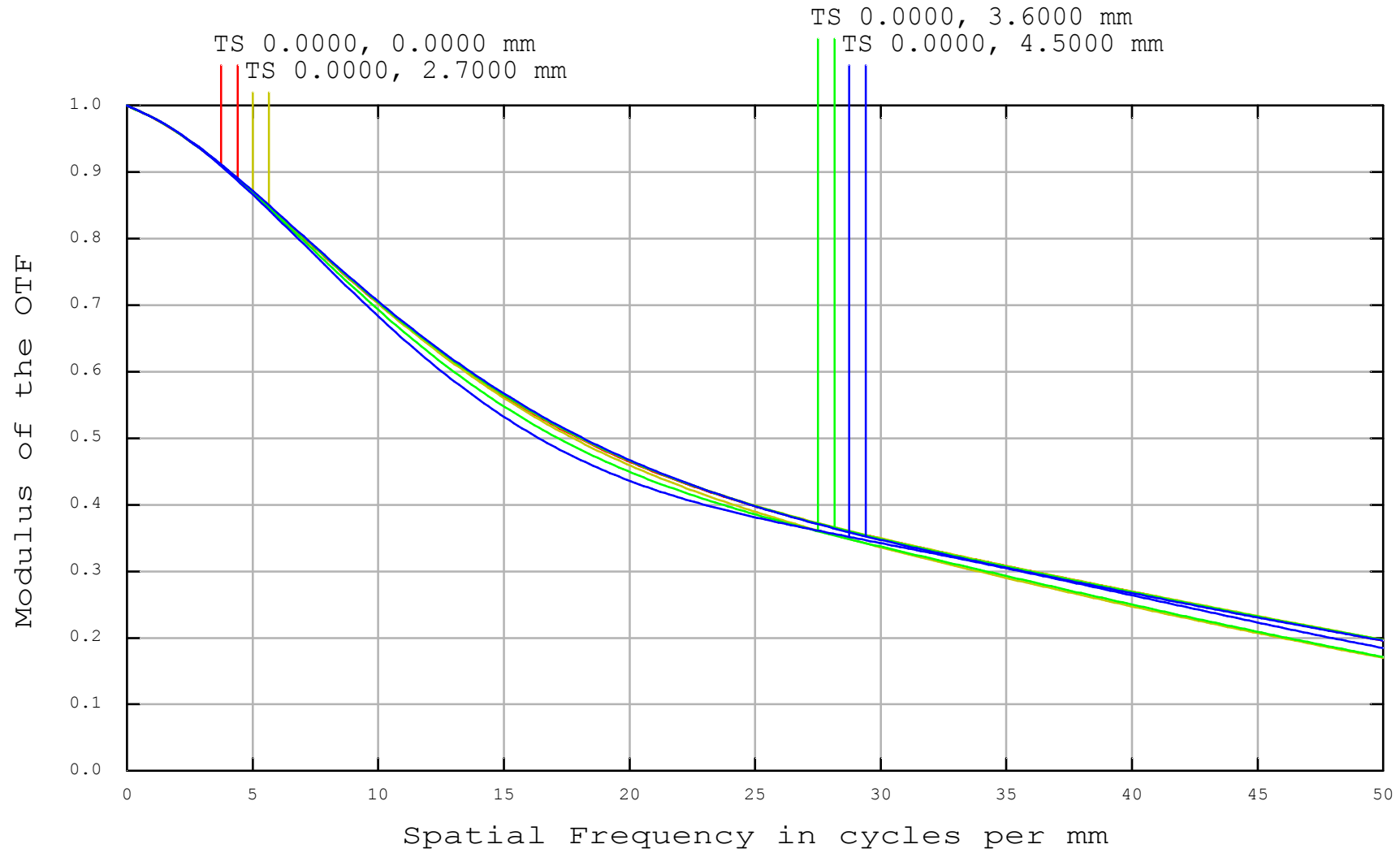
Polychromatic Diffraction MTF

LMZ2200 (44mmF7.7)

Data for 0.4358 to 0.6563 μm .

Surface: Image



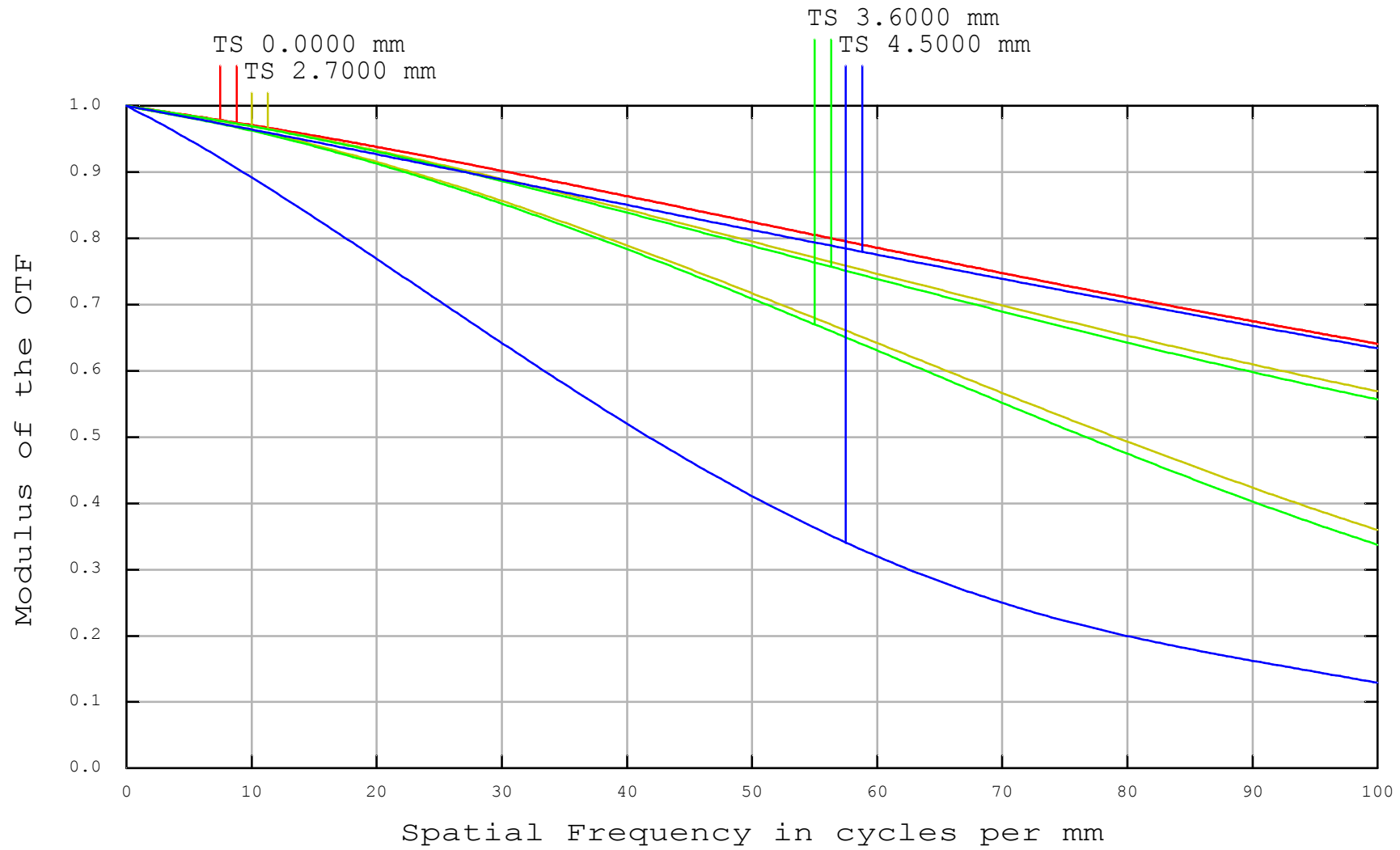


Polychromatic Diffraction MTF

LMZ2200 (2200mmF19.8)

Data for 0.4358 to 0.6563 μm .
 Surface: Image



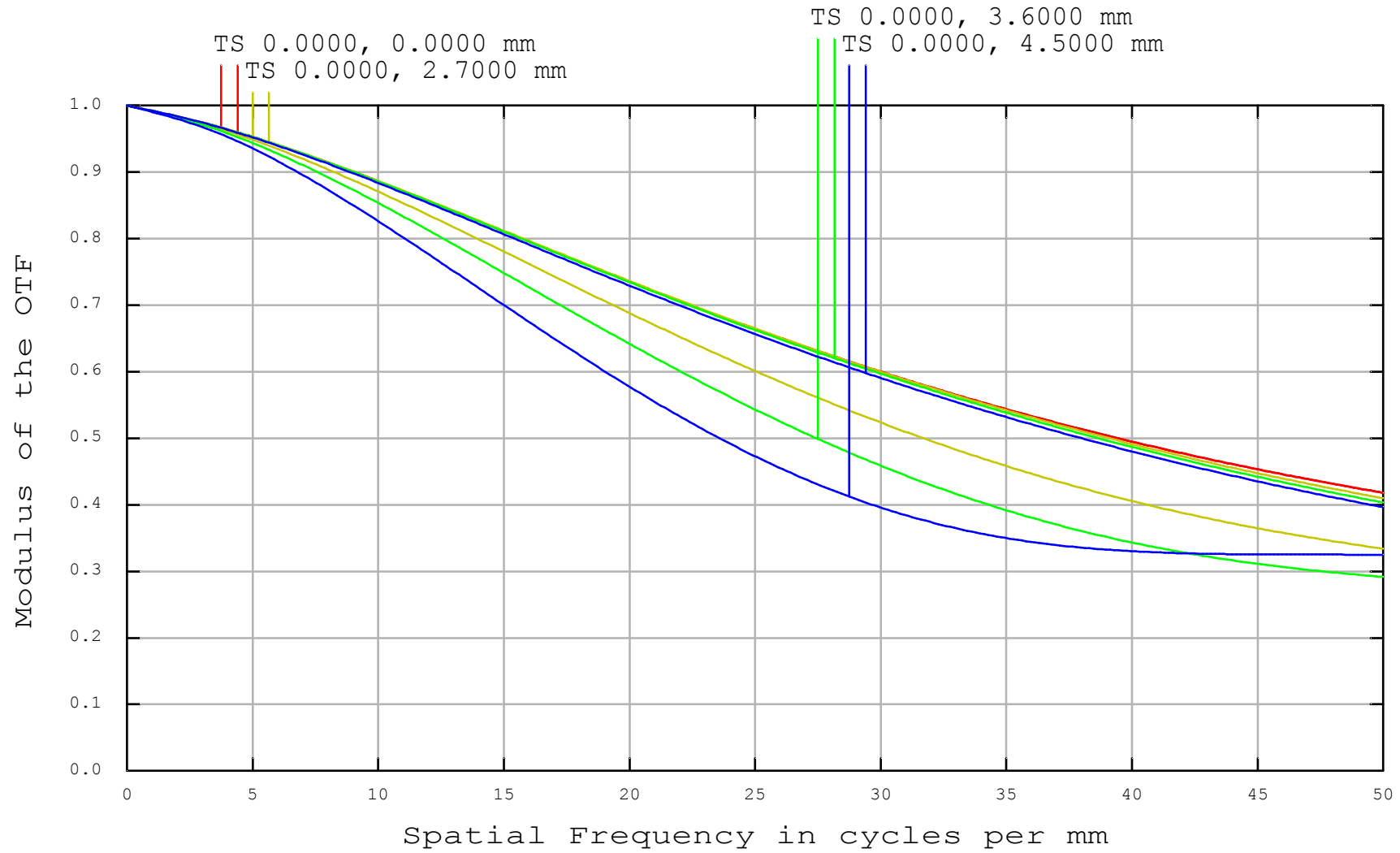


Polychromatic Diffraction MTF

LMZ2200 (20mmF3.6)

Data for 0.4358 to 0.6563 μm .
Surface: Image





Polychromatic Diffraction MTF

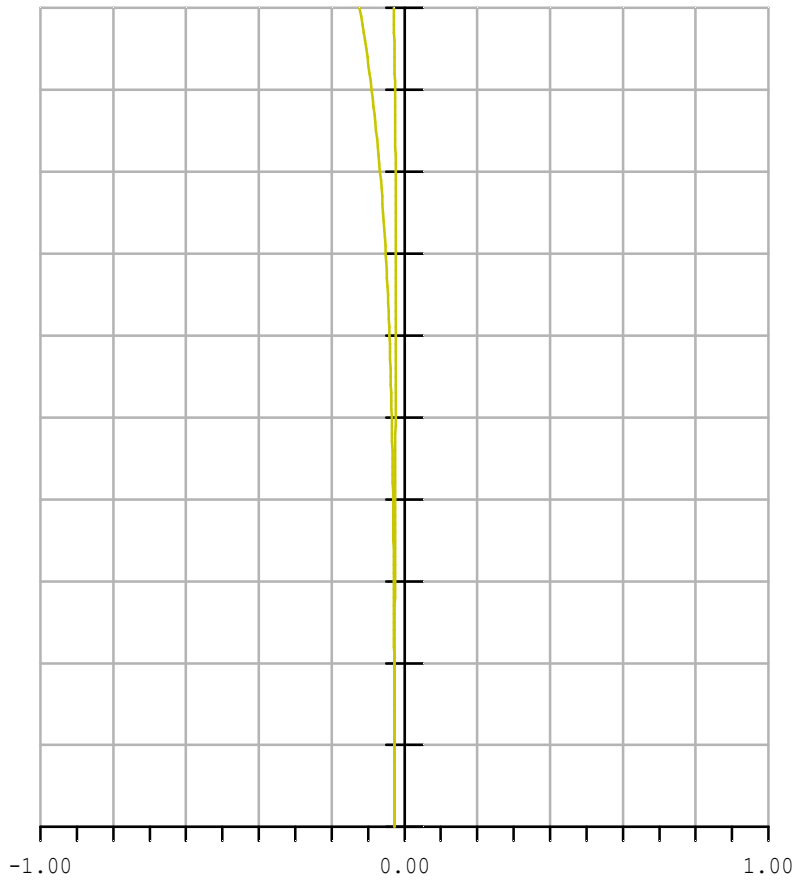
LMZ2200 (1000mmF9.2)

Data for 0.4358 to 0.6563 μm .
Surface: Image



Field Curvature

T S
+Y

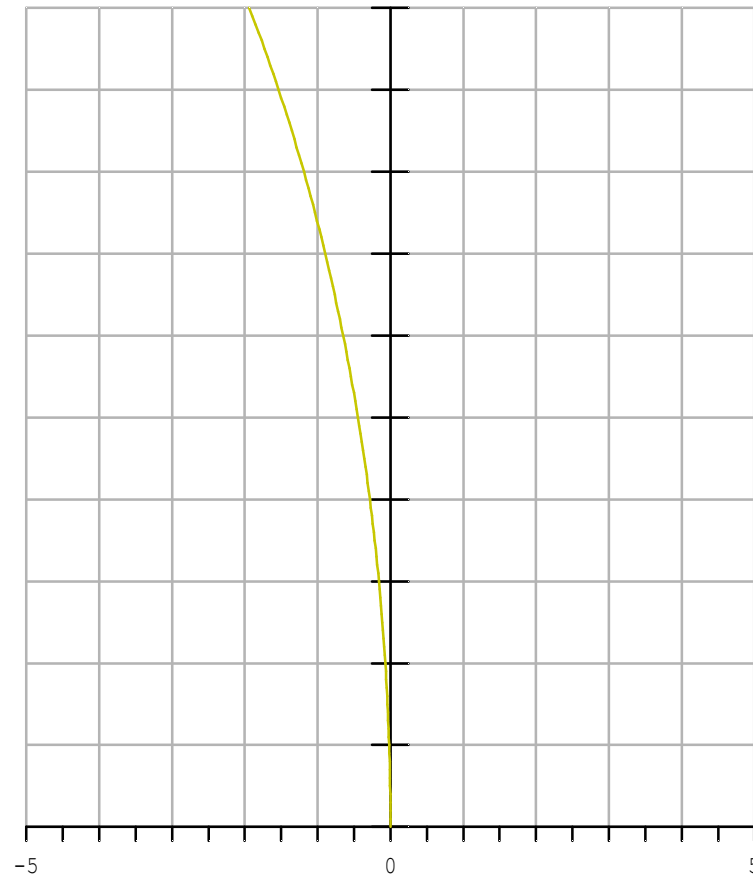


Millimeters

Field units changed to field angle

Distortion

+Y



Percent

Field Curvature / F-Tan(Theta) Distortion

LMZ2200 (44mmF7.7)

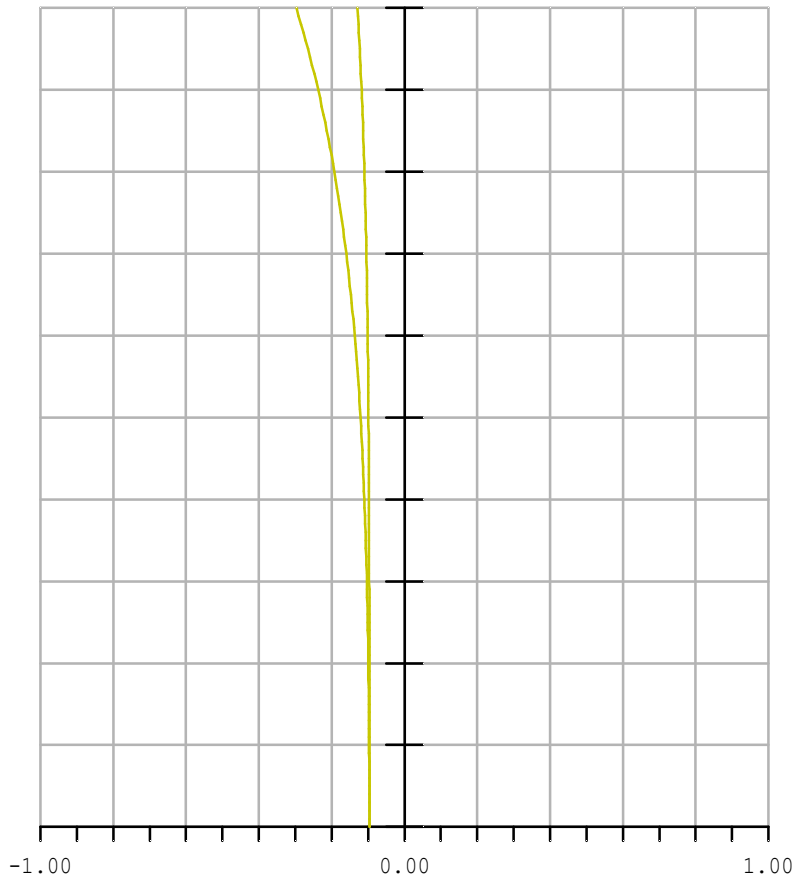
Maximum Field is 5.939 Degrees.

Wavelengths: 0.486



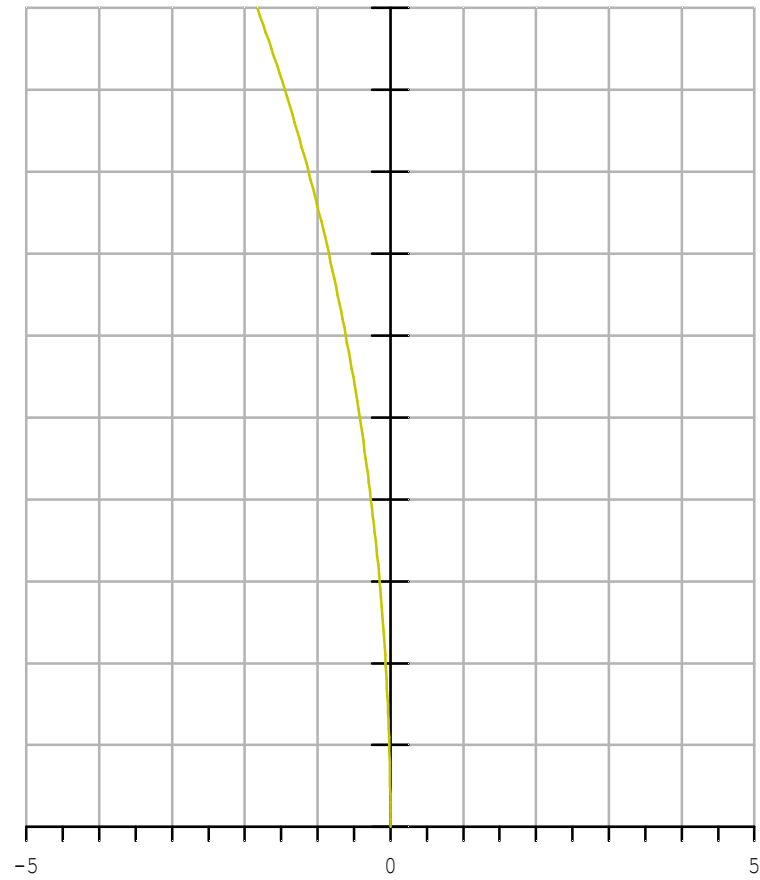
Field Curvature

T S +Y



Distortion

+Y



Millimeters

Percent

Field units changed to field angle

Field Curvature / F-Tan(Theta) Distortion

LMZ2200 (2200mmF19.8)

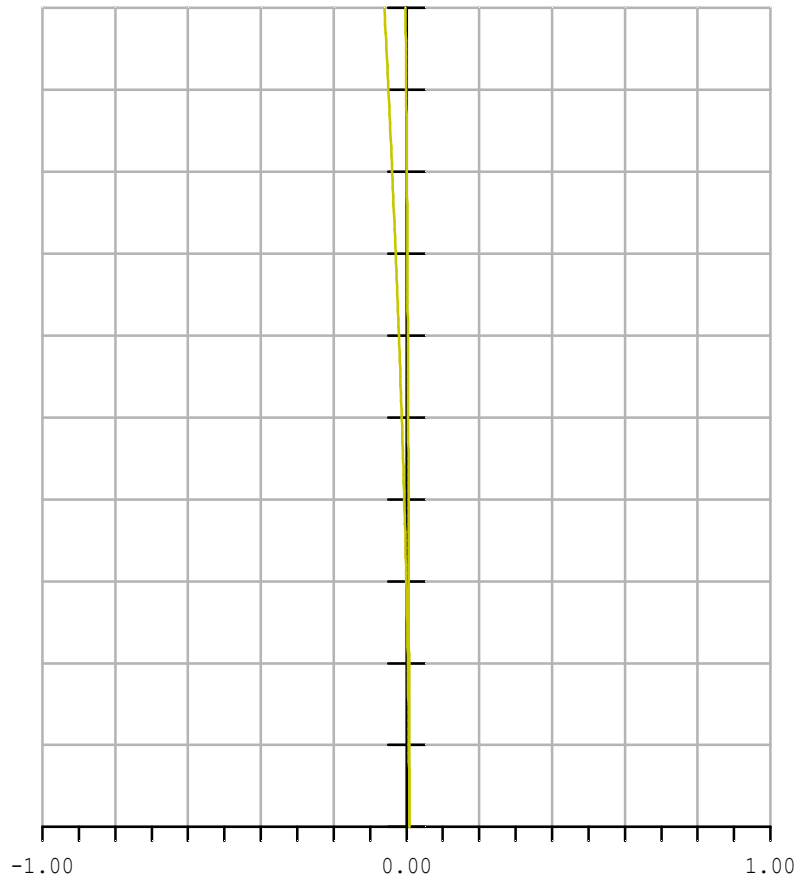
Maximum Field is 0.124 Degrees.

Wavelengths: 0.486



Field Curvature

T_S
+Y

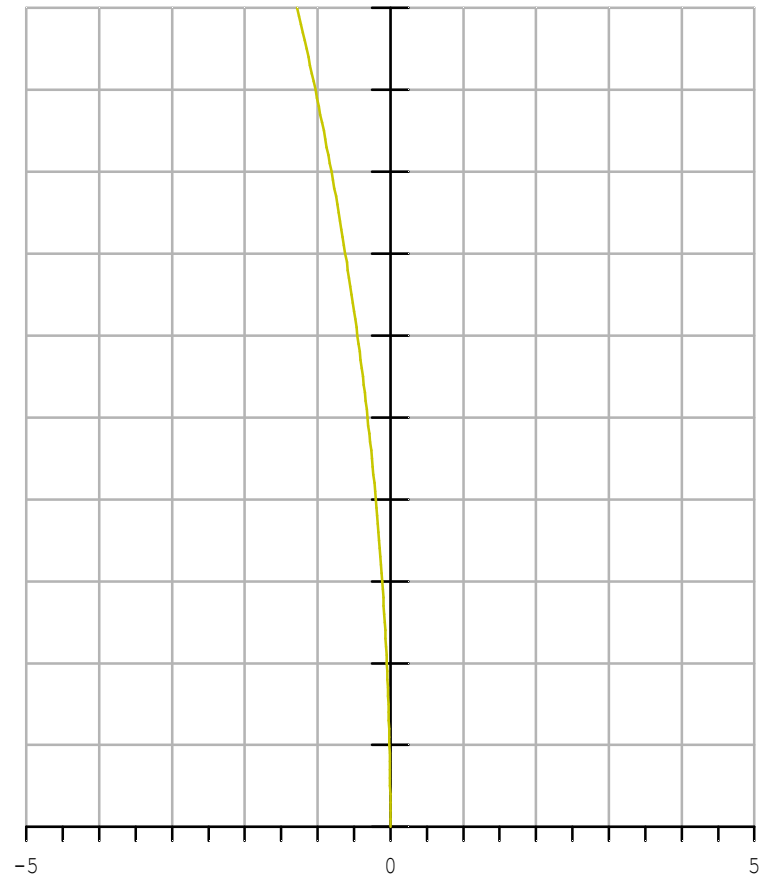


Millimeters

Field units changed to field angle

Distortion

+Y



Percent

Field Curvature / F-Tan(Theta) Distortion

LMZ2200 (20mmF3.6)

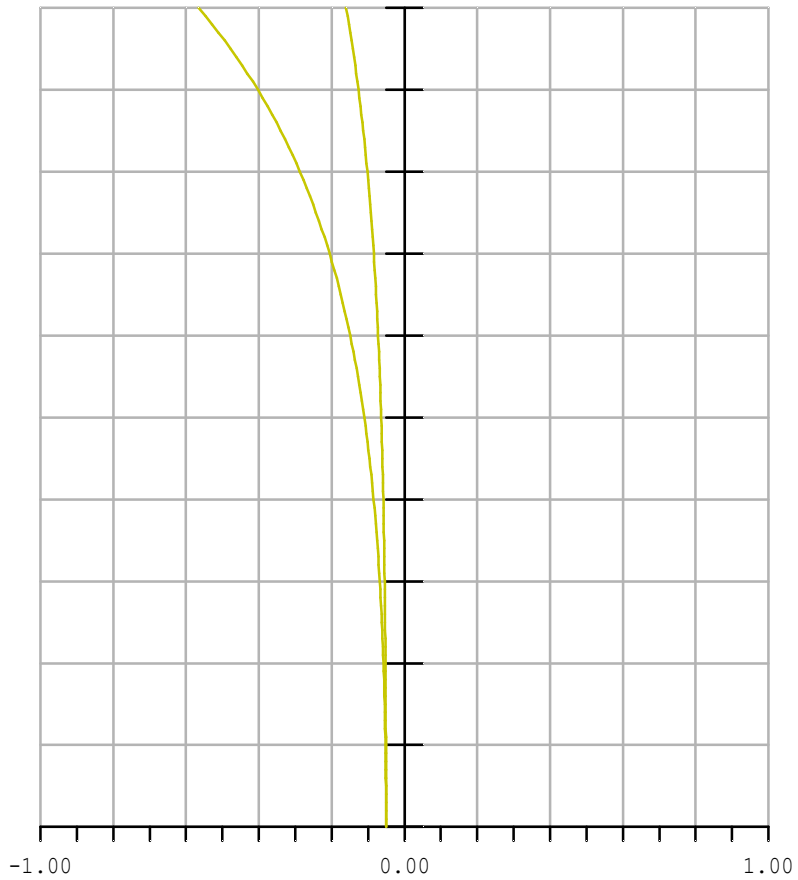
Maximum Field is 12.538 Degrees.

Wavelengths: 0.486



Field Curvature

T S +Y

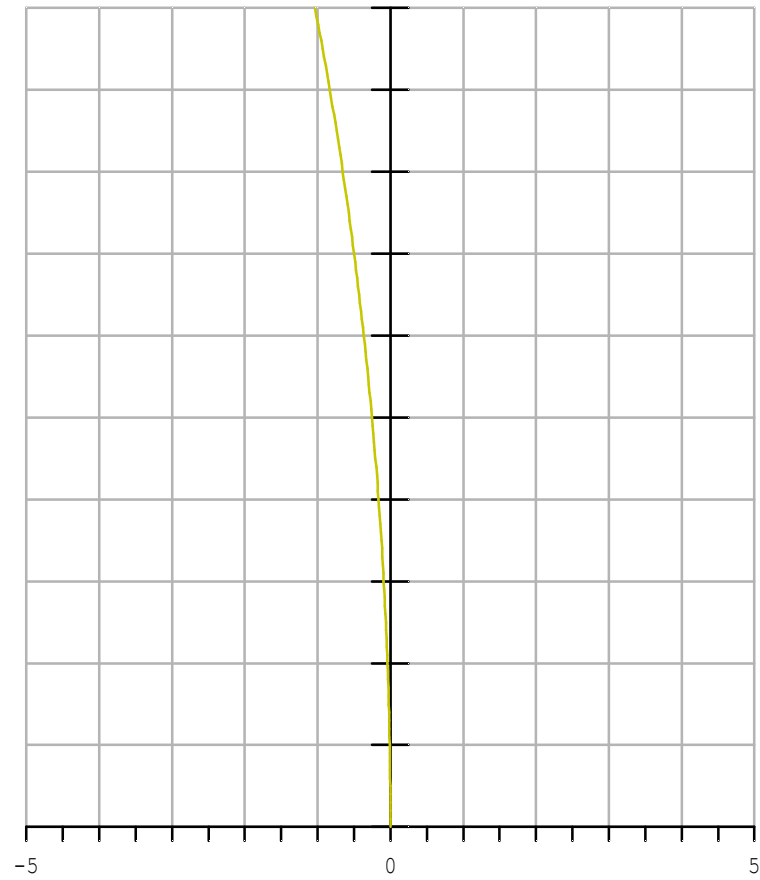


Millimeters

Field units changed to field angle

Distortion

+Y



Percent

Field Curvature / F-Tan(Theta) Distortion

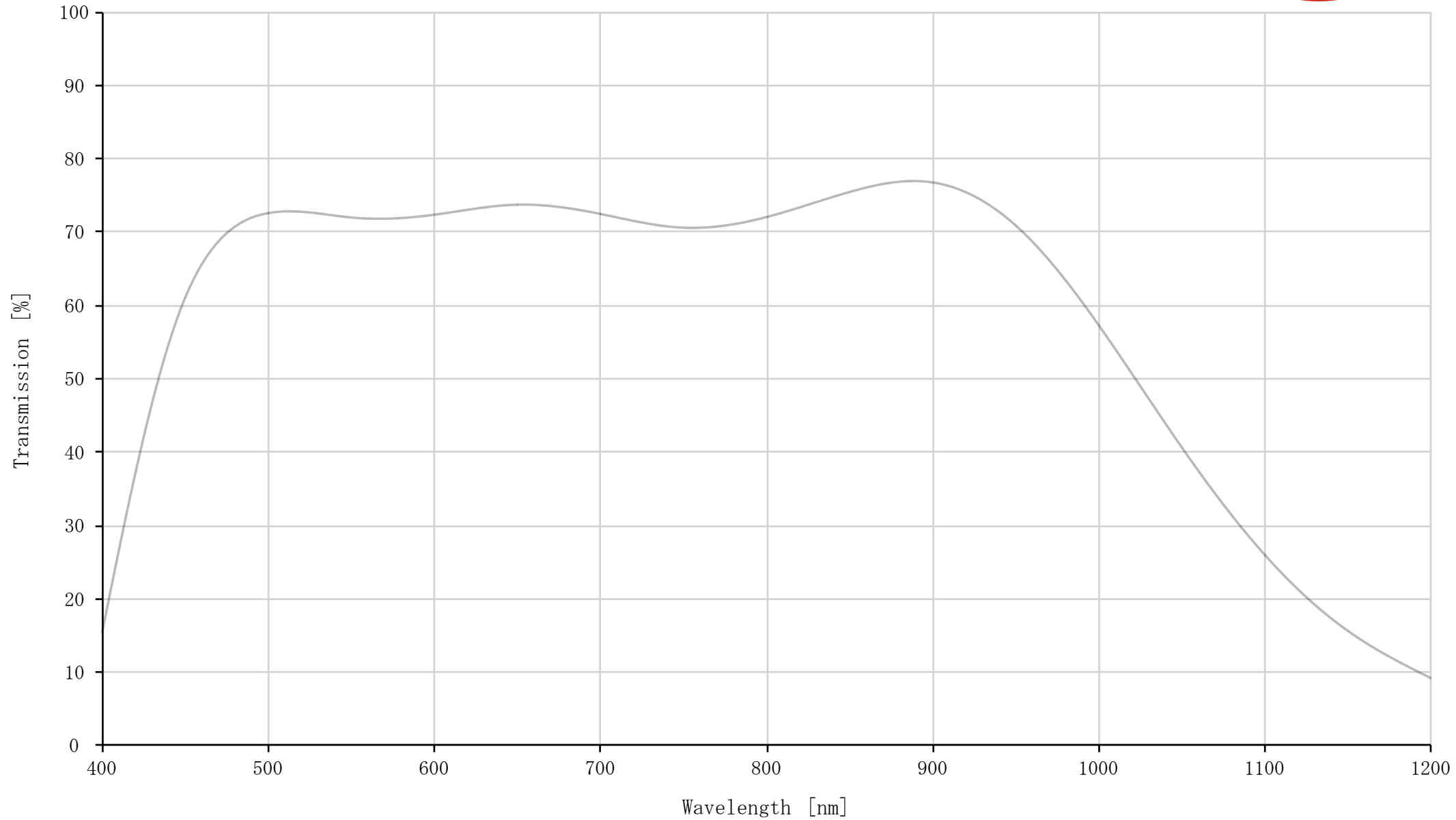
LMZ2200 (1000mmF9.2)

Maximum Field is 0.266 Degrees.

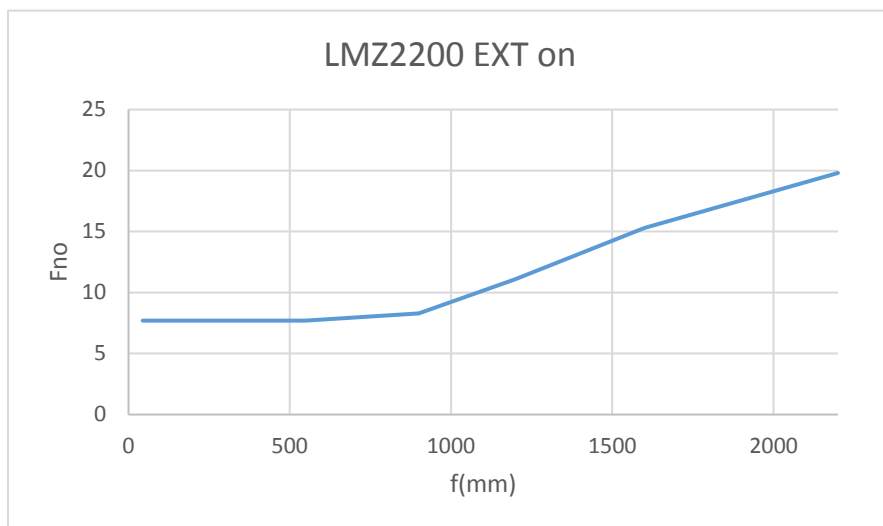
Wavelengths: 0.486



LMZ2200 Transmission

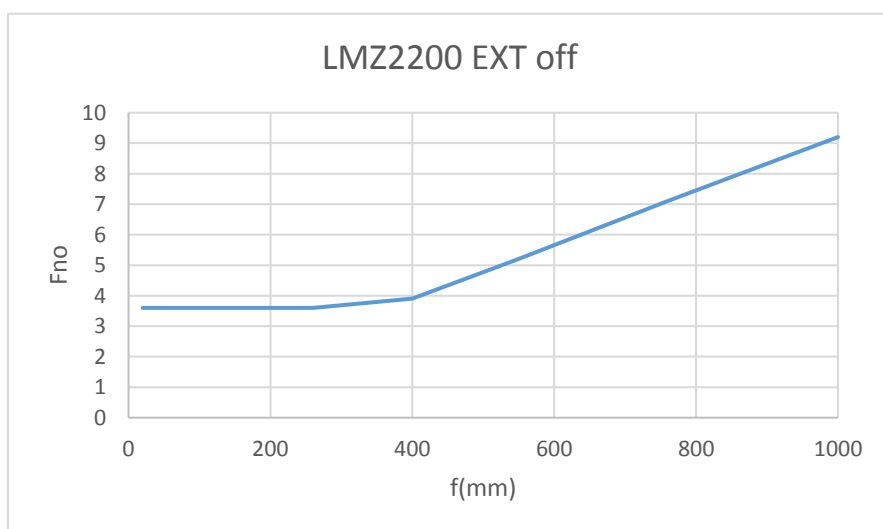


LMZ2200 F-stop



EXT on

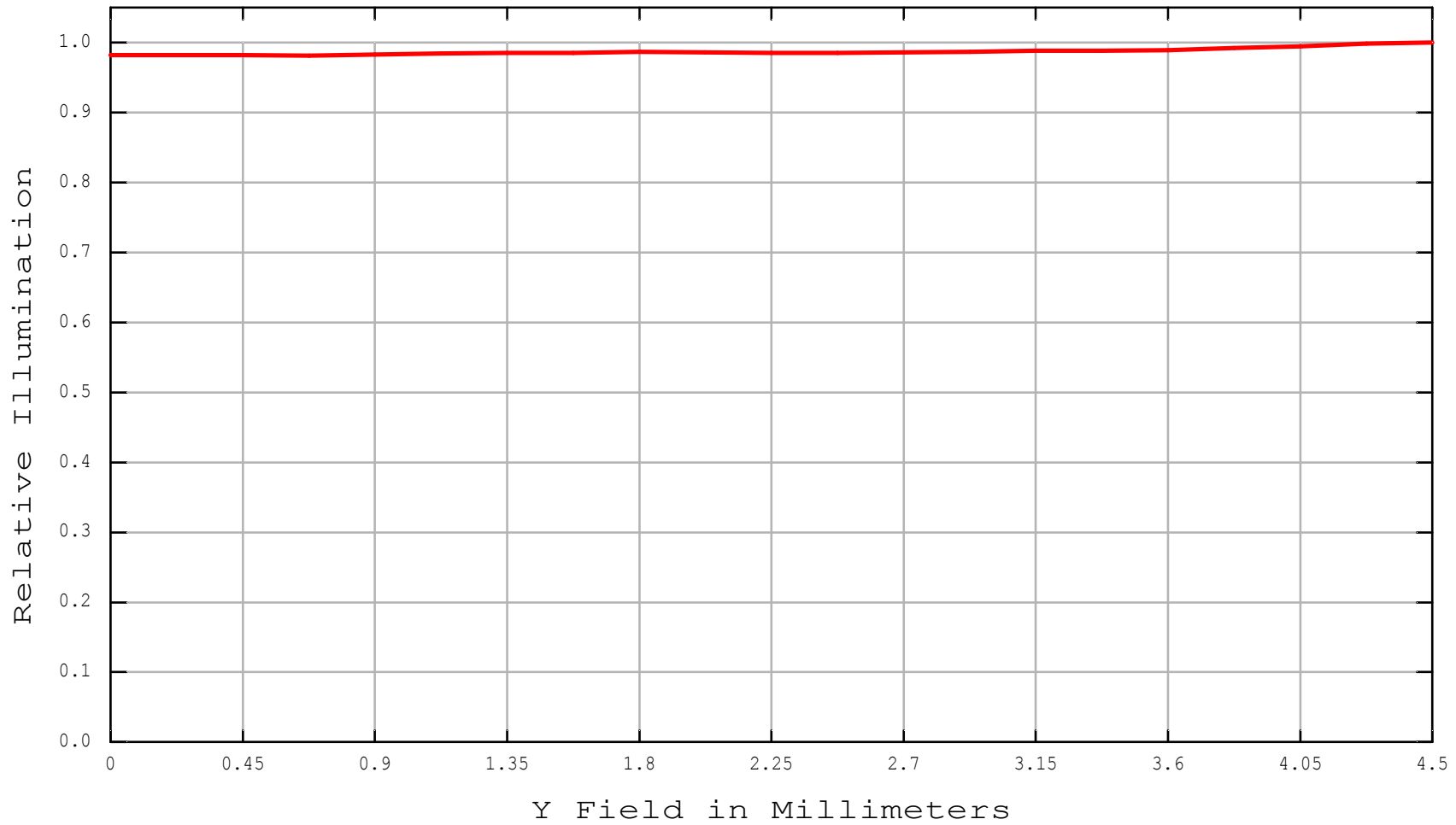
f(mm)	Fno
44	7.7
88	7.7
300	7.7
550	7.7
900	8.3
1200	11.1
1600	15.3
2200	19.8



EXT off

f(mm)	Fno
20	3.6
40	3.6
140	3.6
260	3.6
400	3.9
550	5.2
760	7.1
1000	9.2



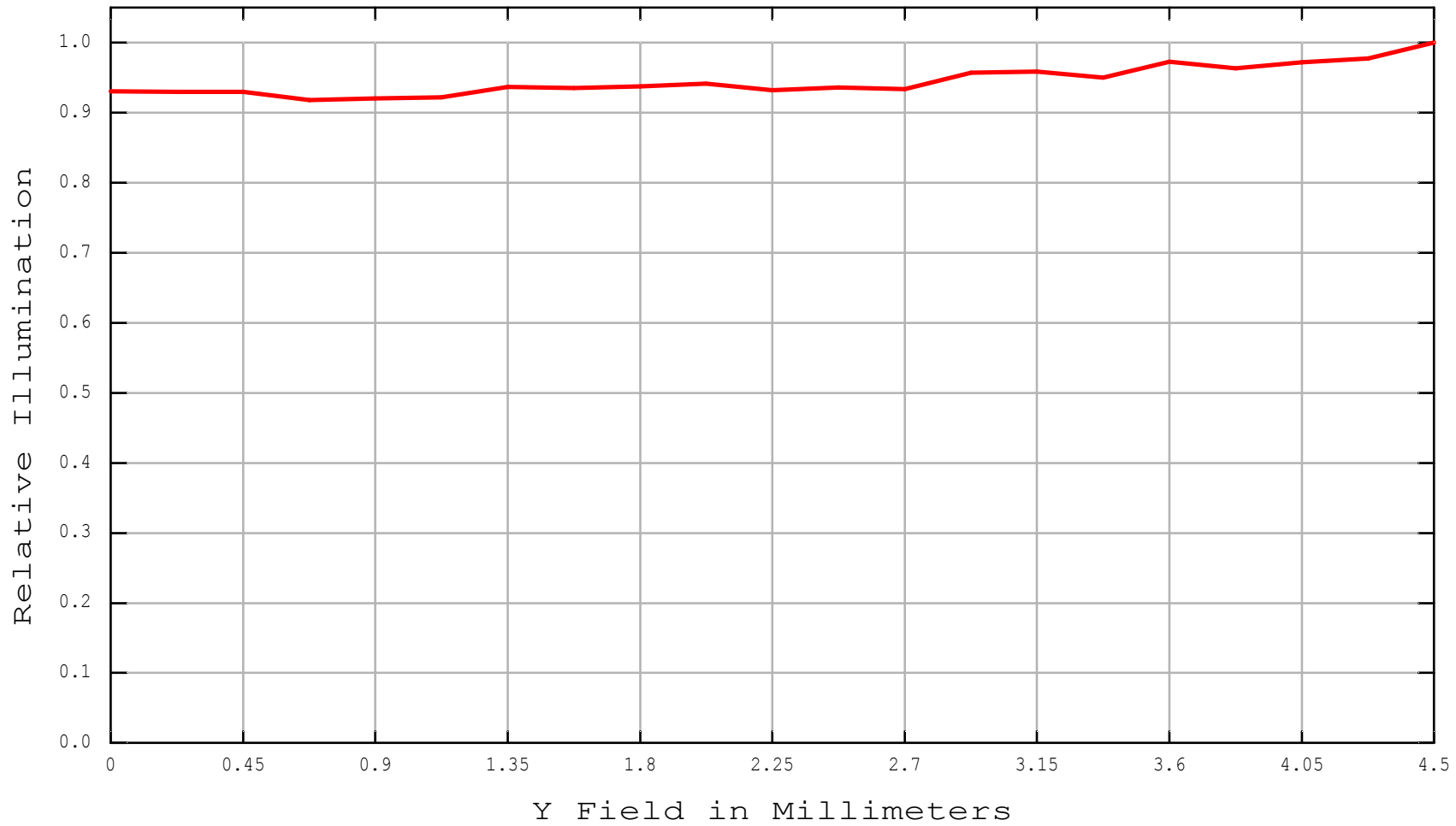


Relative Illumination

LMZ2200 (44mmF7.7)

Wavelength: 0.486130 μm



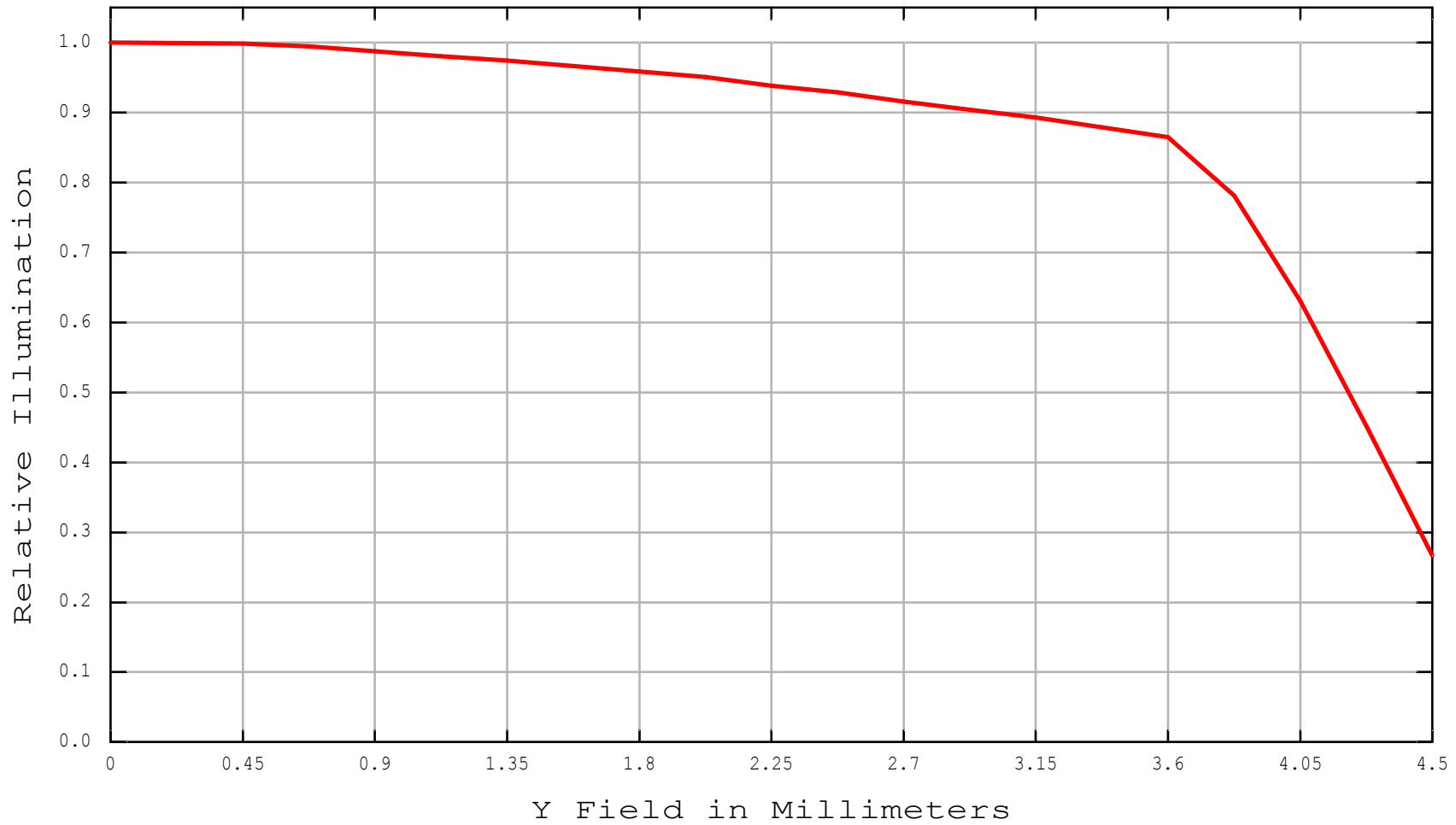


Relative Illumination

LMZ2200 (2200mmF19.8)

Wavelength: 0.486130 μm



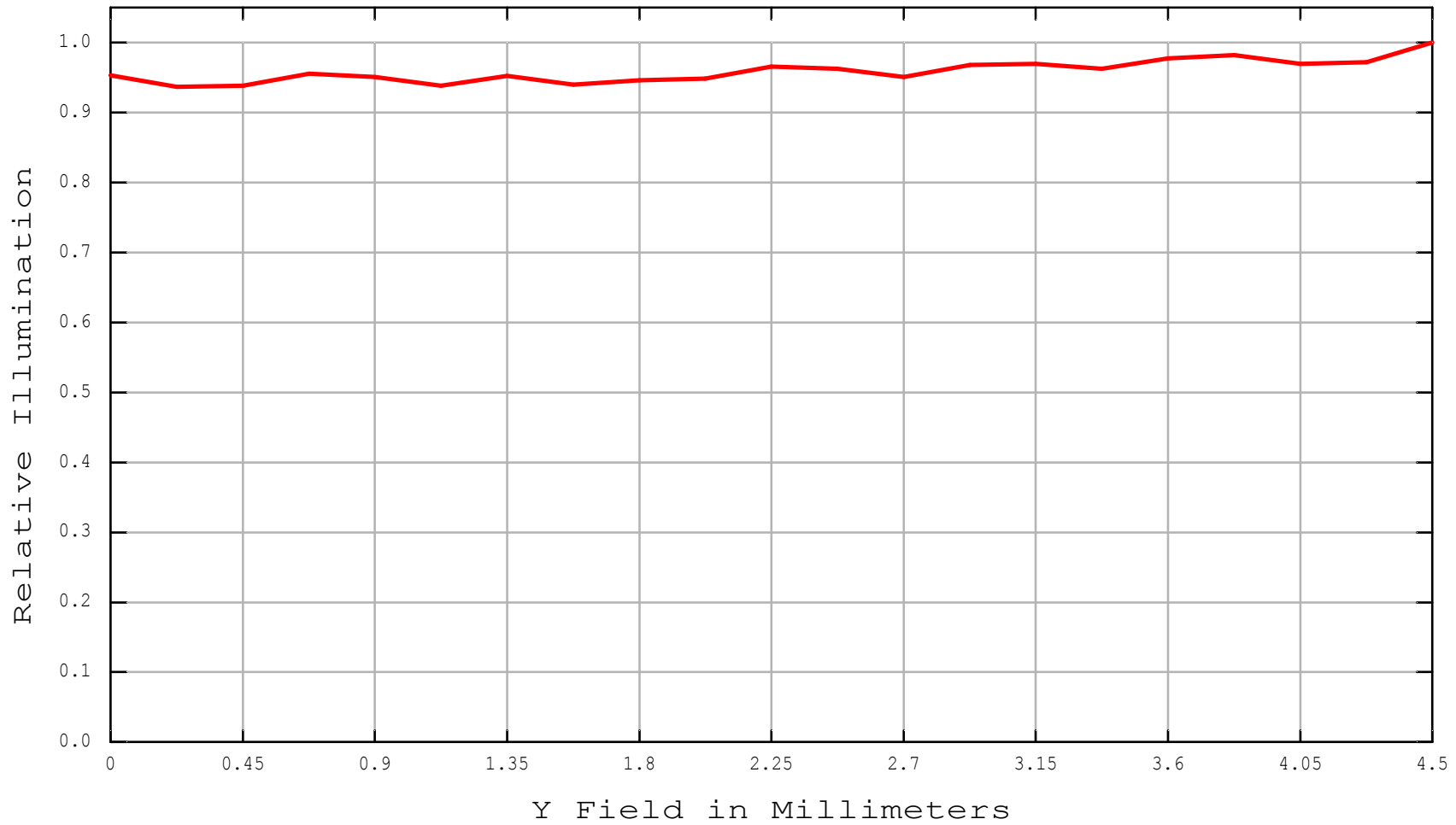


Relative Illumination

LMZ2200 (20mmF3.6)

Wavelength: 0.486130 μm





Relative Illumination

LMZ2200 (1000mmF9.2)

Wavelength: 0.486130 μm

