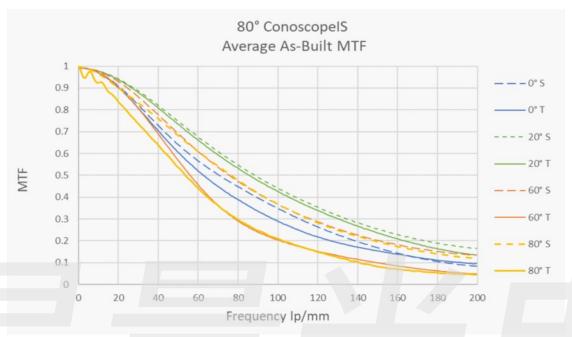
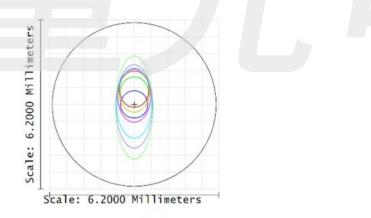
## E 80° ConoscopelS

Acceptance Angle	±80°	Measured from axis to edge of field
Entrance Pupil Diameter	1mm	
Object Distance	Infinity	Infinity is appropriate for displays
Front Working Distance	1mm of air	Distance from sample to lens
Image Diameter	8.7mm	
Camera	Sony IMX183	2.4µm pixels
Resolution	0.088°/px	With 2x2 binning
MTF	>20% at 5.4 cy/° (100cy/mm)	Average as built, graph on second page
Distortion	<1.8%	Can be calibrated out
CRA Control	<5°	Maximum chief ray angle
CRA Control Peak Wavelength	<5° 540nm	Maximum chief ray angle
		Maximum chief ray angle
Peak Wavelength	540nm	Maximum chief ray angle
Peak Wavelength Wavelength Range	540nm 450-850nm	
Peak Wavelength Wavelength Range Relative Illumination	540nm 450-850nm No vignetting	Falls off approximately as cos θ
Peak Wavelength Wavelength Range Relative Illumination Coating	540nm  450-850nm  No vignetting  AR coating for R<0.5%	Falls off approximately as cos θ
Peak Wavelength Wavelength Range Relative Illumination Coating Mount	540nm  450-850nm  No vignetting  AR coating for R<0.5%  Yoke	Falls off approximately as $\cos\theta$ For incident angles in the range up to $50^\circ$



## 80° ConoscopelS





\$0, 0 \$0, 25 \$0, 40 \$0, 50 \$0, 70 \$0, 75 \$0, 80

Aperture Diameter: 6.0048

Footprint Diag	ram
80 DEG CONOSCOPIC SCATTEROMETER 1212 2/28/2023 Surface 1: Ray X Min = -0.6883 Ray X Max = 0.6883 Ray Y Min = -2.0002 Ray Y Max = 1.7746	Eckhardt Optics LLC
Max Radius= 2.0002 Wavelength= 0.5500 Legend items refer to Field positions	CONO80SC_16ELT18H_PROD.ZMX Configuration 1 of 1

Location of the sampled area as a function of angle.

The blue circle in the center is the on-axis sample.

The red circle above center is the sample for 40° off-axis.

The large, light green ellipse is the sample for 80° off-axis.