

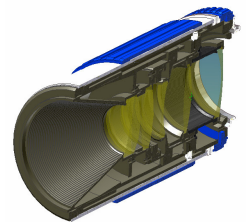


UV CoastalOpt™ SLR Lens

250 nm - 650 nm



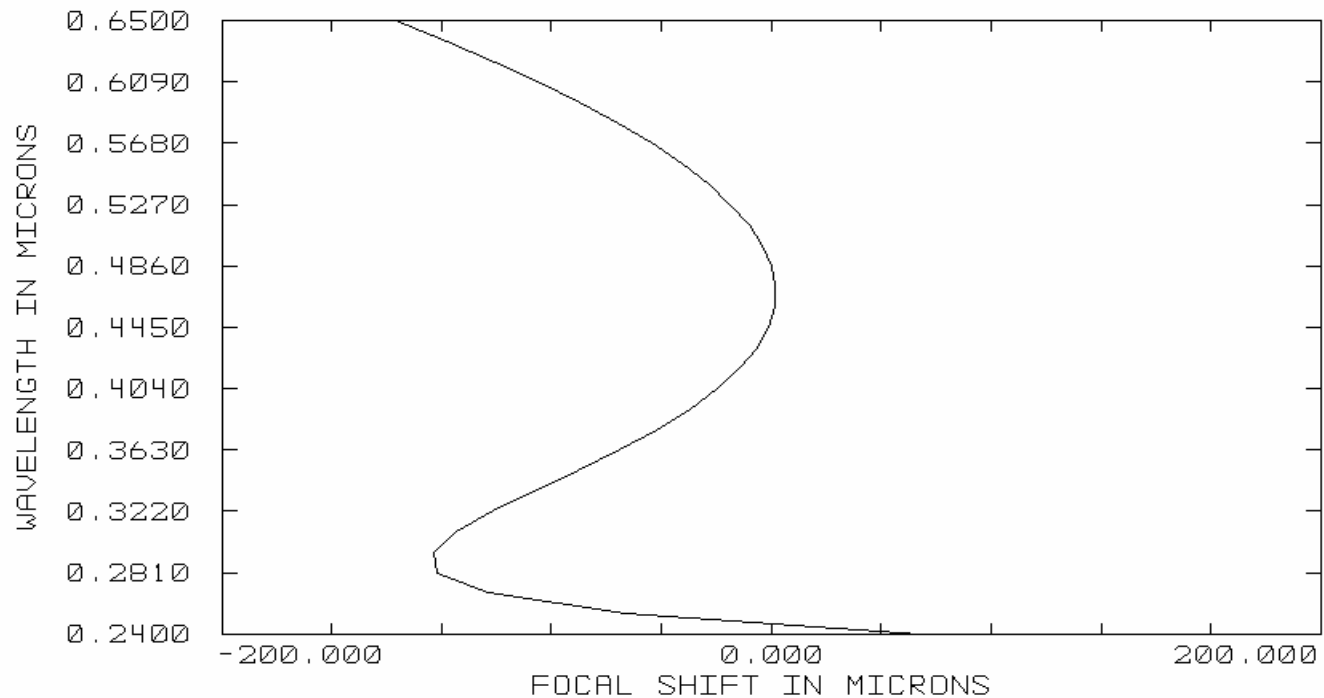
- 105mm f/4.5 lens
- Apochromatic
- Macro lens
- Manual focus (0.5 m – infinity)
- Nikon F-Mount
- **250 nm to 650 nm** range
- 52 mm Filter Mount
- Aperture (4.5 - 32)





UV CoastalOpt™ SLR Lens

-Chromatic Focal Shift



CHROMATIC FOCAL SHIFT

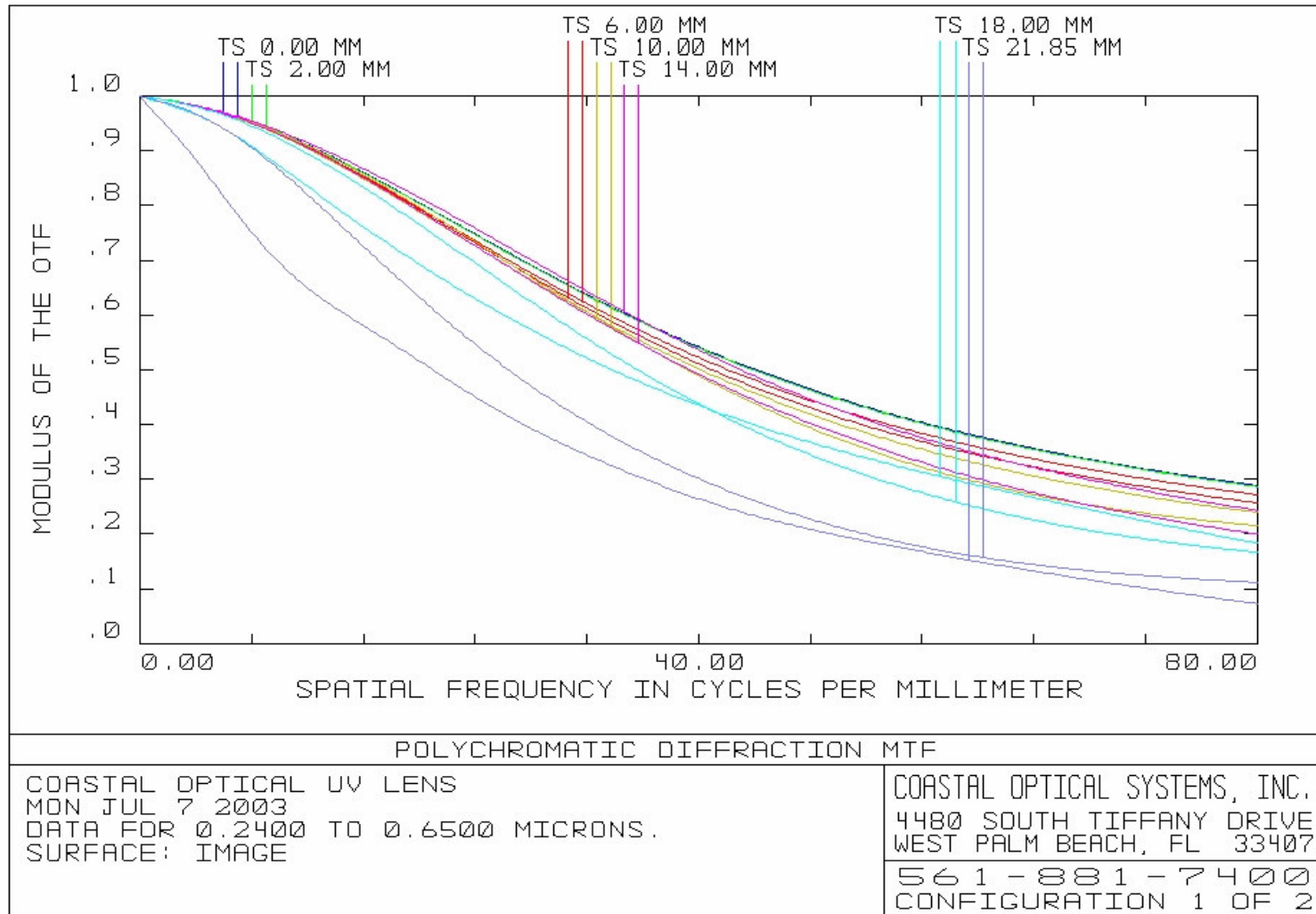
COASTAL OPTICAL UV LENS
MON JUL 7 2003
MAXIMUM FOCAL SHIFT RANGE: 191.1319 MICRONS
DIFFRACTION LIMITED RANGE: 38.642 MICRONS
PUPIL ZONE: 0.0000

COASTAL OPTICAL SYSTEMS, INC.
4480 SOUTH TIFFANY DRIVE
WEST PALM BEACH, FL 33407
561-881-7400
CONFIGURATION 1 OF 2



UV CoastalOpt™ SLR Lens

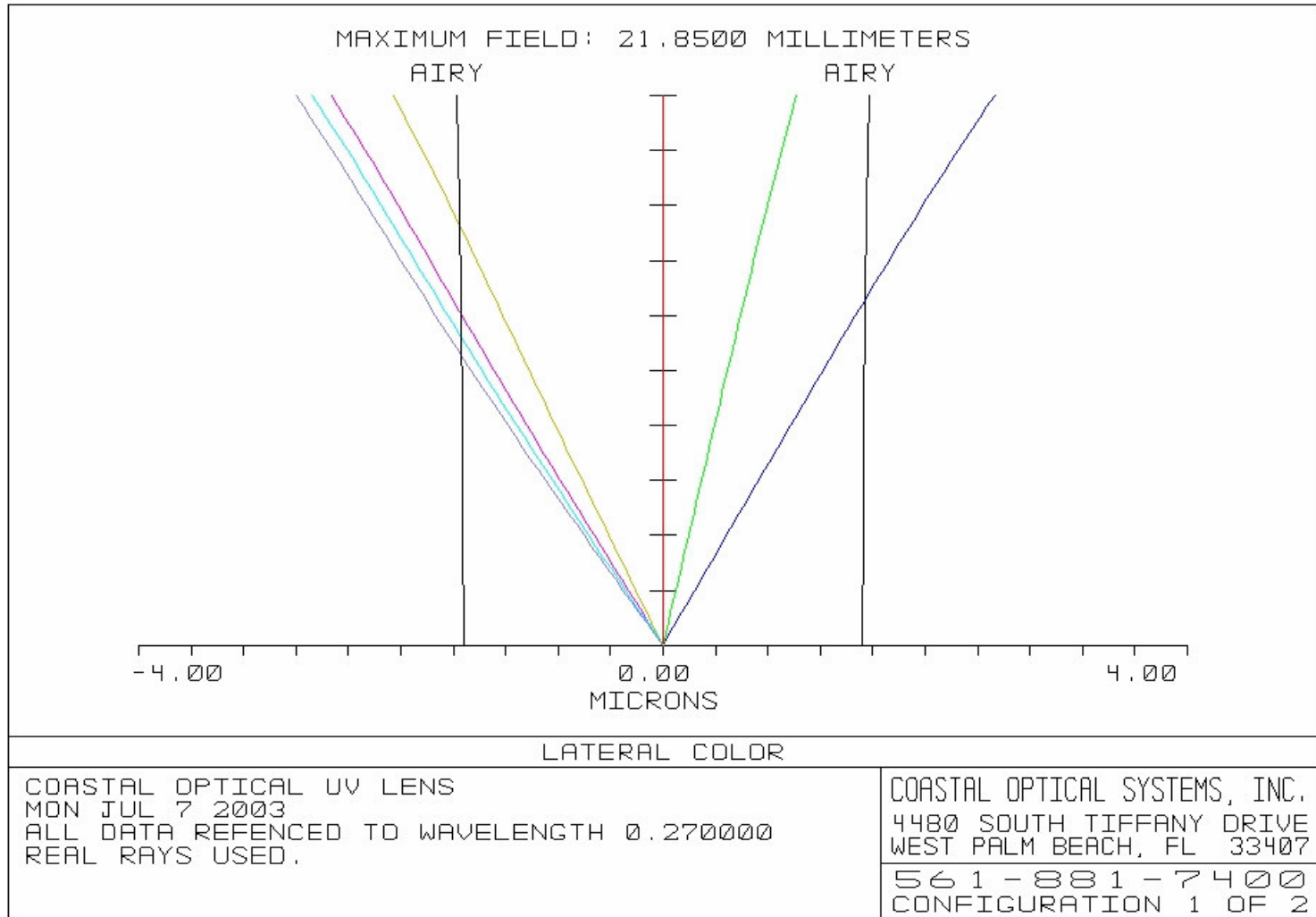
-Polychromatic MTF





UV CoastalOpt™ SLR Lens

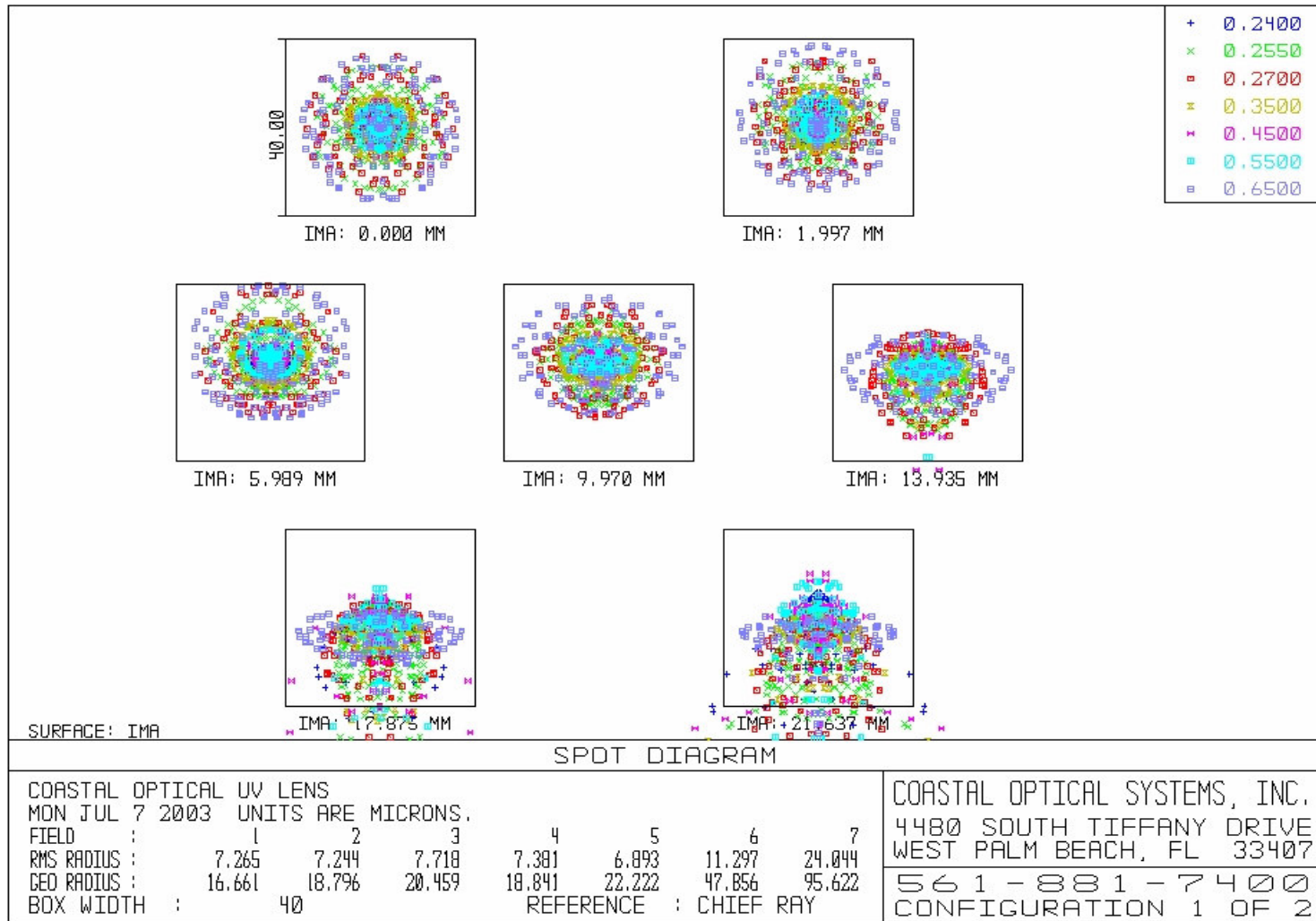
-Lateral Color (240 nm - 650 nm)





UV CoastaOpt™ SLR Lens

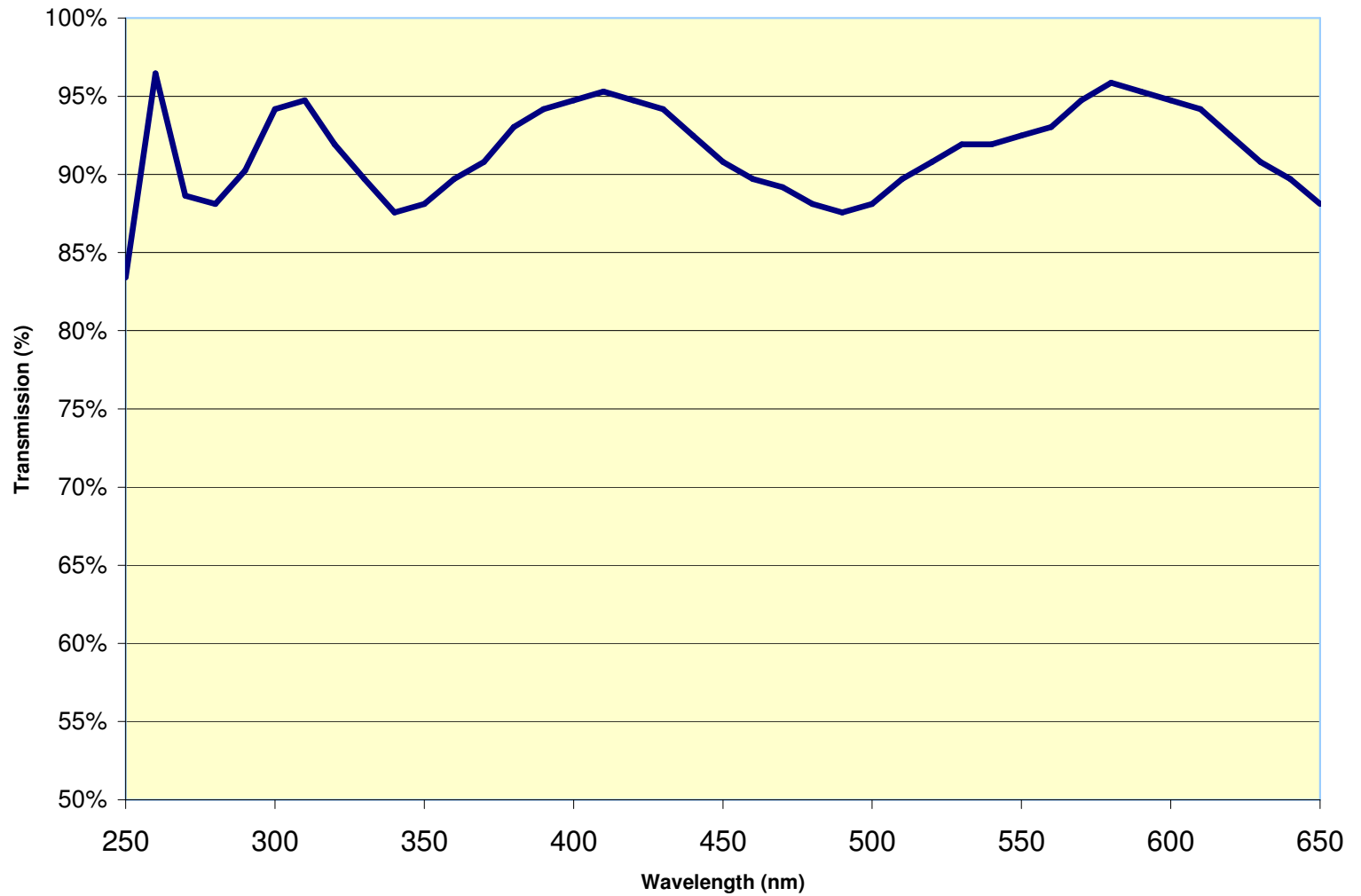
-Spot Diagram





UV CoastalOpt™ SLR Lens

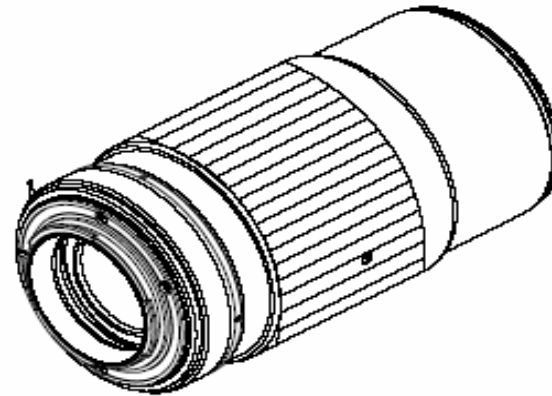
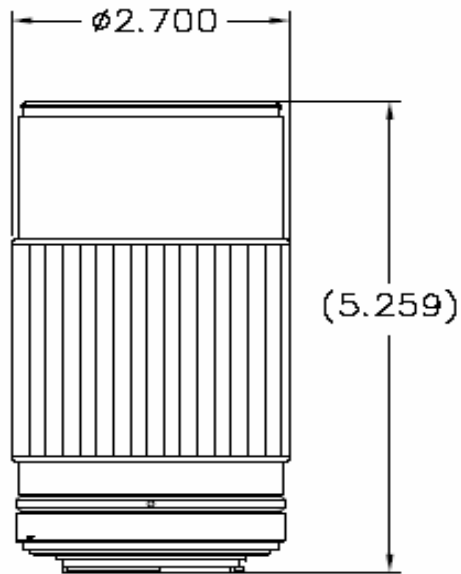
-Transmission Curve





UV CoastalOpt™ SLR Lens

-Mechanical Dimensions





UVC - VIS color corrected lens introduced at Photonics West

January 28, 2003 (West Palm Beach, FL) Coastal Optical Systems, Inc. (www.coastalopt.com) has introduced a high performance color corrected lens for the ultraviolet-C through the visible wavelength range (250 nm – 650 nm). The single lens allows capturing both UV and visible images without a focus adjustment for the colorshift. The lens can be used for applications below 250 nm with narrow band filters. Initially, Nikon or C-mount versions are offered.

The lens was developed to use with the increasingly ultraviolet sensitive CCD's offered in the marketplace. Expected applications are include security, biological characterization, combustion analysis, forensics and professional photography.

Coastal Optical Systems, Inc., founded in 1991, designs and manufactures custom lens assemblies for aerospace and defence, machine vision, metrology, digital imaging, projection, and optical networking applications.