# Optical Simulation



TS 0.0000 MM
TS 1.6100 MM
TS 1.8400 MM
TS 2.3000 MM

MODULUS OF THE OTF

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

0   44.6   89.2   133.8   178.4   223   267.6   312.2   356.8   401.4   446

SPATIAL FREQUENCY IN CYCLES PER MM

POLYCHROMATIC DIFFRACTION MTF

DATA FOR 0.4700 TO 0.6200 μm.
SURFACE: IMAGE

DS8336-V1.ZMX



RELATIVE ILLUMINATION

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

0   0.23   0.46   0.69   0.92   1.15   1.38   1.61   1.84   2.07   2.3

X FIELD IN MILLIMETERS

RELATIVE ILLUMINATION

WAVELENGTH: 0.620000 μm

DS8336-V1.ZMX

FIELD CURVATURE
SS T T
+Y

DISTORTION
+Y

-0.20        0.00        0.20
MILLIMETERS
FIELD UNITS CHANGED TO FIELD ANGLE

-3          0          3
PERCENT

FIELD CURVATURE / F-TAN(THETA) DISTORTION

MAXIMUM FIELD IS 42.302 DEGREES
WAVELENGTHS:  0.470    0.546    0.620

DS8336-V1.ZMX



TS 0.0000 MM
TS 1.6100 MM
TS 1.8400 MM
TS 2.3000 MM

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

MODULUS OF THE OTF

-0.05  -0.04  -0.03  -0.02  -0.01   0    0.01   0.02   0.03   0.04   0.05
FOCUS SHIFT IN MILLIMETERS

POLYCHROMATIC DIFFRACTION THROUGH FOCUS MTF

DATA FOR 0.4700 TO 0.6200 μm.
SPATIAL FREQUENCY: 223.0000 CYCLES PER MM.

DS8336-V1.ZMX

CRA VS FIELD

CHIEF RAY ANGLE VS FIELD

DATA FOR 0.5460 MICRONS
EDITED BY NEWMAX

DS8336-V1.ZMX