NOTES:
1. SUBSTRATE: GRADE A FINE ANNEALED ZEONEX E48R

2. COATING:
    S1: NONE
    S2: NONE

△3. EDGES: FINE GROUND

4. ASPHERIC SURFACE DESCRIBED BY:

$$Z_{ASPH}(Y) = \frac{(1/RADIUS)*Y^2}{1+\sqrt{1-(1+k)*(1/RADIUS)^2*Y^2}} + D*Y^2 + E*Y^4 + F*Y^6 + G*Y^8 + H*Y^{10} + J*Y^{12} + L*Y^{14}$$

6. SURFACE PROFILE CHANGE DUE TO DIFFRACTIVE PATTERN DEFINED BY:
    WHERE:

$$STEP\_HEIGHT = \frac{\lambda}{nd-1}$$

$$Z_{DIFF}(Y) = \frac{1}{(nd-1)}*(Z_2*Y^2 + Z_4*Y^4) + (STEP\_HEIGHT)*\left[\left|INT\left(\frac{1}{\lambda}*(Z_2*Y^2 + Z_4*Y^4)\right)\right|\right]$$

COEFFIECIENT TABLE

COEFFIECIENT	S1
λ	0.587 MICRONS
Z_2	-2.1913105E-3
Z_4	-6.0986035E-6
k	-0.7
D	0
E	-9.0564752E-6
F	-5.3473757E-7
G	-7.4721884E-9
H	0
J	0
L	0

SECTION A-A

(2.37)
△3
S1
S2
(Ø 11.00)
(0.125)
4.3±0.1

(5.75)
Ø 12.0 $^{0.0}_{-0.1}$
A

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

REV. A		S1	S2	EFL (@ 587.6nm)	12	Edmund Optics®		
SHAPE		CONVEX	CONVEX	BFL (@ 587.6nm)	9.5			
RADIUS		7.57	48.3	THIRD ANGLE PROJECTION		TITLE	12mm DIA. X 12mm FL, UNCOATED, HYBRID ASPHERE	
SURFACE QUALITY		60 - 40	60 - 40					
CLEAR APERTURE		Ø 10.0	Ø 10.0	ALL DIMS IN	mm	DWG NO	65987	SHEET 1 OF 1
BEVEL MAX		PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					