NOTES:
1. SUBSTRATE: N-BK7
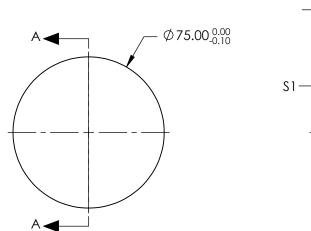
2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1: NONE
   S2: NONE

3. EDGES: FINE GROUND

4. CENTERING: ≤5 ARCMIN

5. ASPHERE FIGURE ERROR: 0.75 µm RMS

$\triangle 6.$ ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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

A — A

$\varnothing 75.00^{0.00}_{-0.10}$

SECTION A-A

25.40 ± 0.10

4.99

S1   S2

COEFFIECIENT TABLE $\triangle 6.$	
COEFFIECIENT	**S1**
SEMI-DIAMETER	3.750000E+01
(1/RADIUS)	2.579979E-02
k	-8.470000E-01
D	0.000000E+00
E	6.330000E-07
F	9.690000E-11
G	8.770000E-15
H	2.680000E-18
J	-7.200000E-22
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	38.760	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	Ø67.5	Ø67.5
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	75.00
BFL @ 587.6nm	58.25

THIRD ANGLE PROJECTION

ALL DIMS IN — mm

DWG NO — 14997

Edmund Optics®

TITLE: 75mm DIA., 0.50 NUMERICAL APERTURE UNCOATED, ASPHERIC LENS

SHEET 1 OF 1