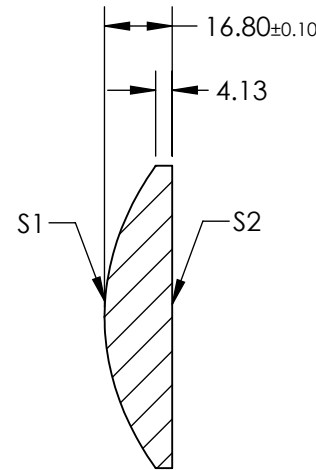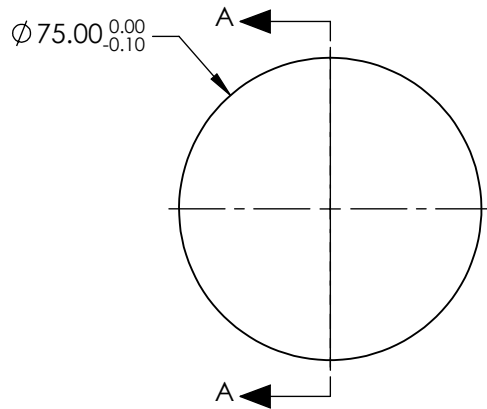NOTES:
1. SUBSTRATE: N-BK7

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

6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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

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

16.80±0.10

4.13

S1   S2

SECTION A-A

COEFFICIENT TABLE 6.	
COEFFICIENT	**S1**
SEMI-DIAMETER	3.750000E+01
(1/RADIUS)	1.719986E-02
k	-9.520000E-01
D	0.000000E+00
E	2.425000E-07
F	1.252000E-11
G	5.210000E-16
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	58.140	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	Ø67.5	Ø67.5
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	112.50
BFL @ 587.6nm	101.42

THIRD ANGLE PROJECTION

ALL DIMS IN   mm

Edmund Optics®

TITLE: 75mm DIA., 0.33 NUMERICAL APERTURE UNCOATED, ASPHERIC LENS

DWG NO: 15000

SHEET 1 OF 1