NOTES:

1. SUBSTRATE: N-SF6

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1: NONE
   S2: NONE

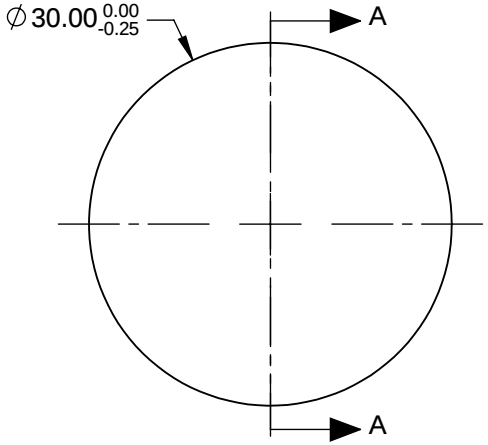
3. EDGES: FINE GROUND

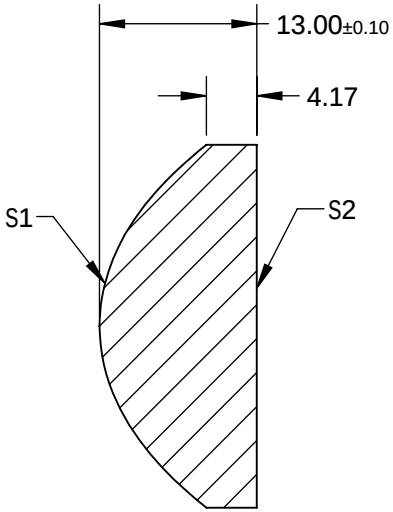
4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25 µm RMS

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

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





SECTION A-A

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

COEFFIECIENT TABLE 6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	1.500000E+01
(1/RADIUS)	0.070967284
k	-1.1731250
D	0.0000000E+00
E	2.7018881E-05
F	-5.4438834E-09
G	6.0741654E-12
H	-3.5644152E-13
J	6.4388602E-16
L	0.0000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	14.091	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø27.00	Ø27.00
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	17.50
BFL @ 587.6nm	10.30
THIRD ANGLE PROJECTION	
ALL DIMS IN	mm

Edmund Optics®

TITLE	30mm DIA., 0.86 NUMERICAL APERTURE, UNCOATED, PRECISION ASPHERIC LENS
DWG NO	37432
SHEET	1 OF 1