

NOTES:

- 1. SUBSTRATE:
CaF2
- 2. CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): < 1 ARCMIN
- 3. COATING (APPLY ACROSS COATING APERTURE)
S1: NONE
S2: NONE

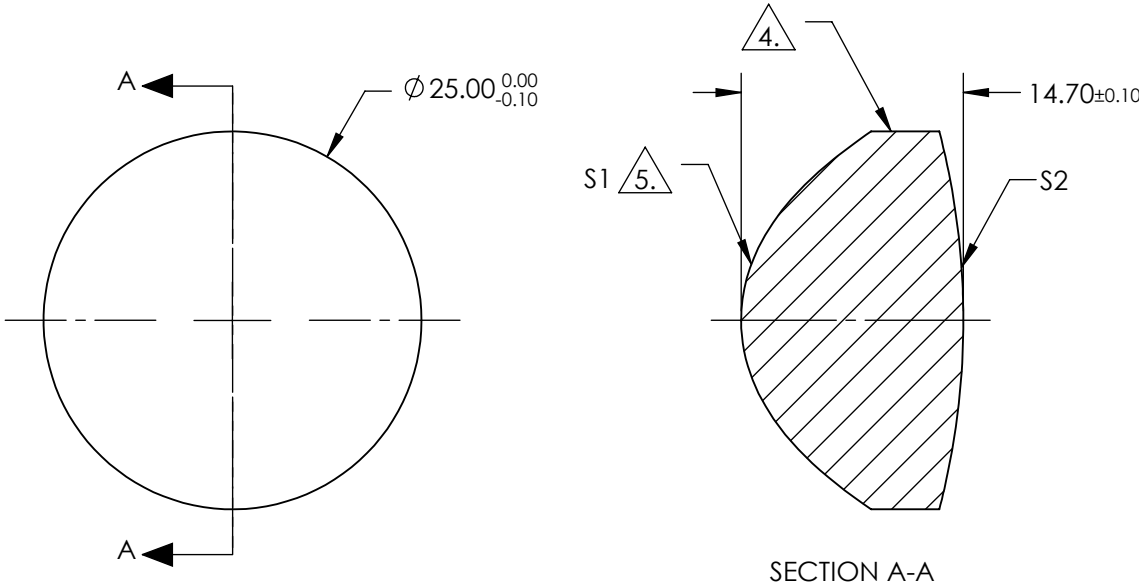
FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

4. EDGES: DIAMOND TURNED


5. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE):

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



COEFFIECIENT TABLE 5.	
COEFFIECIENT	S1
SEMI-DIAMETER	1.250000E+01
(1/RADIUS)	9.723843E-02
k	-1.224683E+00
D	0.000000E+00
E	7.115607E-05
F	3.977327E-09
G	1.060505E-10
H	-2.763393E-12
J	-8.561339E-16
L	0.000000E+00

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	10.284	50.000
SURFACE QUALITY	40 - 20	40 - 20
CLEAR APERTURE	Ø22.50	Ø22.50
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 780nm: 21.23	
BFL @ 780nm: 12.05	
THIRD ANGLE PROJECTION	
	
ALL DIMS IN	mm

 **Edmund Optics®**

TITLE	ASPHERE CaF2 25DIA x 20FL UV GRADE UNCTD
DWG NO	13462
SHEET	1 OF 1