

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

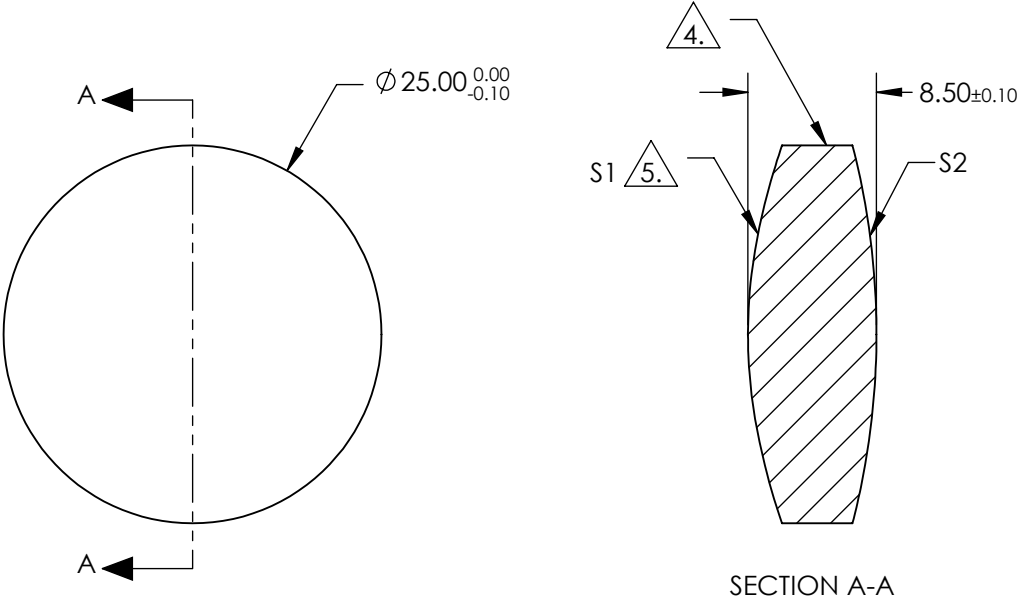
4. EDGES: DIAMOND TURNED

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

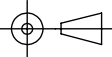
$$Z_{ASPH}(Y) = \frac{(1/RADIUS)^2 * Y^2}{1 + \sqrt{1 - (1+k) * (1/RADIUS)^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14}$$

FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY



| COEFFIECIENT TABLE 5. |               |
|-----------------------|---------------|
| COEFFIECIENT          | S1            |
| SEMI-DIAMETER         | 1.250000E+01  |
| (1/RADIUS)            | 3.032141E-02  |
| k                     | -9.200000E-01 |
| D                     | 0.000000E+00  |
| E                     | -4.300200E-06 |
| F                     | -4.179700E-09 |
| G                     | 3.366500E-13  |
| H                     | 0.000000E+00  |
| J                     | 0.000000E+00  |
| L                     | 0.000000E+00  |

|                 |                      |                      |                                                                                       |                                                                                                      |                                             |       |
|-----------------|----------------------|----------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------|-------|
|                 | S1                   | S2                   | EFL @ 780nm: 47.27                                                                    |  Edmund Optics® |                                             |       |
| SHAPE           | CONVEX               | PLANO                | BFL @ 780nm: 43.58                                                                    |                                                                                                      |                                             |       |
| RADIUS          | 32.980               | 50.000               |  | TITLE                                                                                                | ASPHERE CaF2 25DIA x 50FL IR GRADE<br>UNCTD |       |
| SURFACE QUALITY | 40 - 20              | 40 - 20              |                                                                                       |                                                                                                      |                                             |       |
| CLEAR APERTURE  | Ø22.50               | Ø22.50               |                                                                                       |                                                                                                      |                                             |       |
| BEVEL           | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED | ALL DIMS IN                                                                           | mm                                                                                                   | DWG NO                                      | 13467 |
|                 |                      |                      |                                                                                       |                                                                                                      | SHEET<br>1 OF 1                             |       |