NOTES:

1.  SUBSTRATE:
    LIBA 2000+

2.  CENTERING TOLERANCE (AT 587.6nm): BEAM DEVIATION (HALF ANGLE): <25 ARCMIN

3.  COATING (APPLY ACROSS COATING APERTURE)
    S1 & S2: NONE

4. EDGE: AS MOLDED

5. ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING EQUATION AND COEFFICIENTS SHOWN
   IN TABLE BELOW

$$Z(Y)=\frac{\left(\frac{1}{RADIUS}\right)*Y^2}{1+\sqrt{1-(1+k)*\left(\frac{1}{RADIUS}\right)^2*Y^2}}+D*Y^2+E*Y^4+F*Y^6+G*Y^8+H*Y^{10}+J*Y^{12}+L*Y^{14}+M*Y^{16}$$
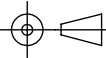
6.  RoHS: COMPLIANT

$\emptyset 10.00^{0.00}_{-0.20}$

( 3.22 )

S1

S2

6.79±0.30

4.

SECTION A-A

| COEFFICIENT TABLE 5. | |
|---|---|
| | S1 |
| | |
| Semi-diameter | 5.0 |
| Coefficient | |
| (1/RADIUS) | 2.398082E-01 |
| k | -6.570601E-01 |
| D | 0.000000E+00 |
| E | 2.500548E-04 |
| F | 5.665679E-06 |
| G | 1.109842E-07 |
| H | 0.000000E+00 |
| J | 0.000000E+00 |
| L | 0.000000E+00 |
| M | 0.000000E+00 |
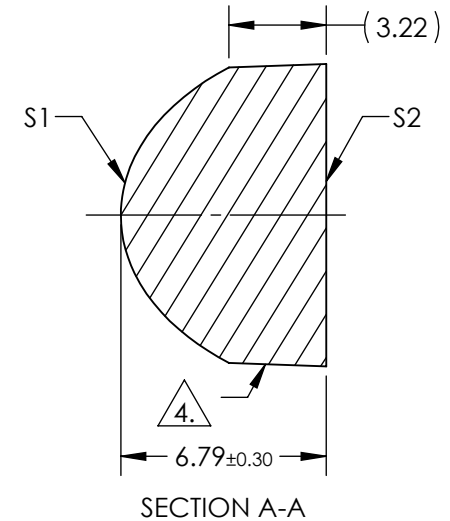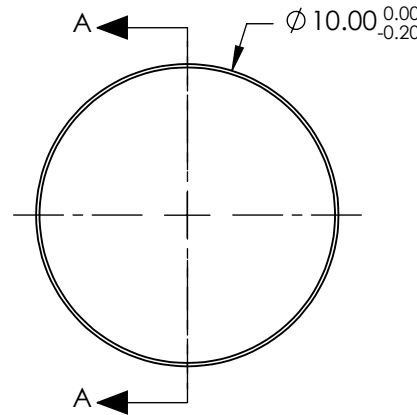
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

| | S1 | S2 | | |
|---|---|---|---|---|
| SHAPE | CONVEX | PLANO | EFL: 8.00 | |
| RADIUS | 4.170 | ∞ | BFL: 3.20 | |
| SURFACE QUALITY | As Molded | As Molded | | TITLE |
| CLEAR APERTURE | Ø8.78 | Ø8.78 | | |
| BEVEL | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED | | |

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: LENS CONDENSER 10mm X 8mm UNCTD TS

ALL DIMS IN: mm

DWG NO: 36164

SHEET 1 OF 1