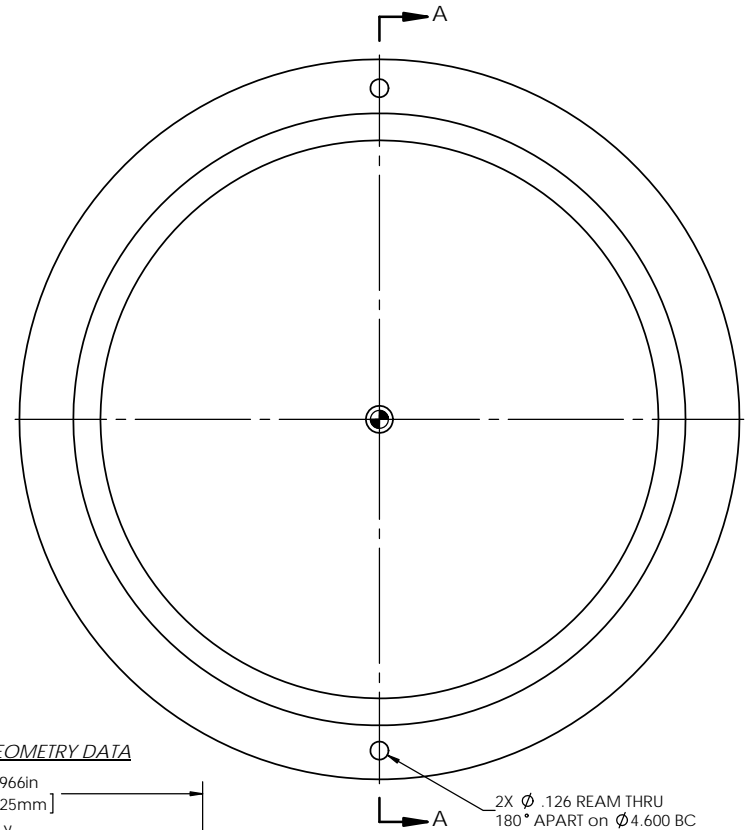
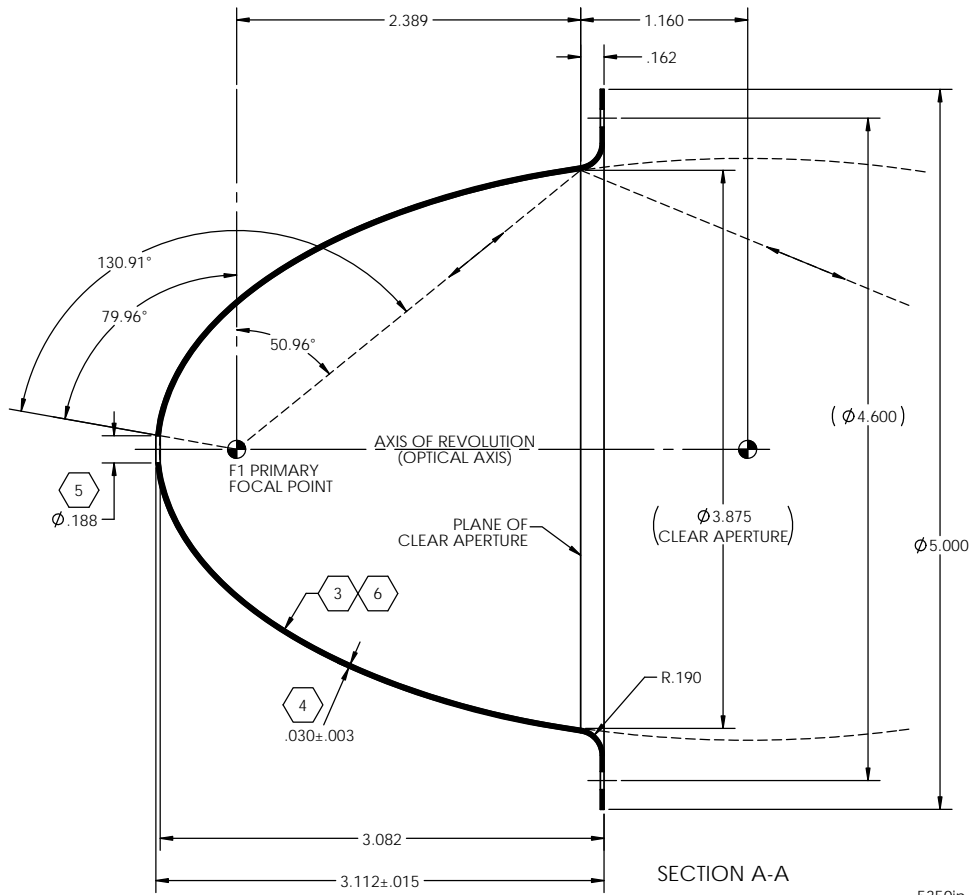


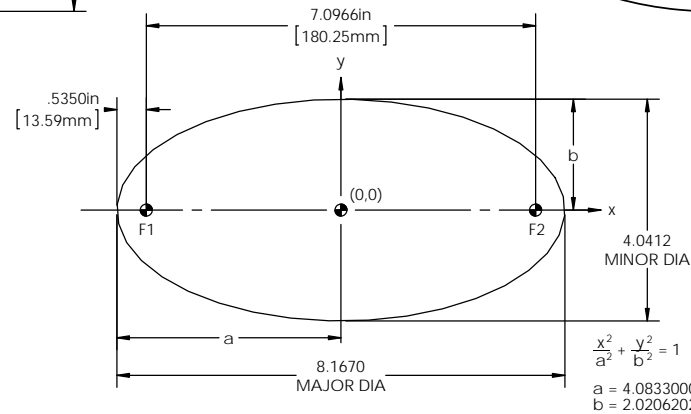
| REVISIONS | | | |
|-----------|------------------------------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| Ø | INITIAL SOLIDWORKS DRAWING RELEASE | 04/17/12 | JEH |

NOTES: UNLESS OTHERWISE SPECIFIED

- SPECIFICATION CONTROL DRAWING.
- DEBURR SHARP EDGES .015 MAX.



ELLIPSOID GEOMETRY DATA



TOTAL PLATED SURFACE AREA: 0.2673 S.F.

- REFLECTOR TO BE REPLICATED FROM SPECIFIED MASTER TOOL EXHIBITING REQUIRED ELLIPTICAL GEOMETRY AND SPECULAR SURFACE FINISH OF 80-50 SCRATCH-DIG PER MIL-0-13830A.
- NOMINAL THICKNESS MAY VARY ±.008 WITHIN .25 OF EDGES.
- VERTEX HOLE OPENING IS PREFERRED REGISTRATION FEATURE FOR AXIAL ALIGNMENT OF REFLECTOR. PLANE OF CLEAR APERTURE NOT RECOMMENDED FOR THIS PURPOSE.
- FINAL REFLECTIVE SURFACE CONDITION WITH AVAILABLE REFLECTIVITY ENHANCEMENT COATINGS DEFINED AS FOLLOWS: (ADD DESIGNATED SUFFIX TO P/N)

- RH ELECTRO-DEPOSITED BRIGHT RHODIUM
- AQ VACUUM DEPOSITED ALUMINUM WITH SiO₂ (QUARTZ)
- AF VACUUM DEPOSITED ALUMINUM WITH MgF₂ (MAGNESIUM FLUORIDE)
- DCC DICHROIC GOLD COATING - SPECIFY WAVELENGTH REGION
- SP OTHER SPECIAL COATINGS AS SPECIFIED

| | | | | | |
|---|---------------------------------|----------------------|----------|---|-----------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: | | CONTRACT NO. 04-E180 | | 42310 WINCHESTER RD. TEMECULA, CA 92590 WWW.OPTIFORMS.COM | |
| FRACTIONS ± 1/16 | DECIMALS .XX ± .003 .XXX ± .005 | APPROVALS | DATE | REFLECTOR, ELLIPTICAL | |
| | | DRAWN | 04/19/12 | 7.10"/180mm (F1-F2) | |
| | | CHECKED | | SIZE | CAGE CODE |
| | | ENG'GR | 04/19/12 | C | 0Y1Y4 |
| | | DESIGN ACTIVITY | | DWG. NO. | E180-0100 |
| NOTE 3, 6 | | SCALE | 1.5:1 | CAD NO. | E180 |
| APPLICATION | -DO NOT SCALE DRAWING- | | | SHEET | 1 OF 1 |