NOTES:

1. SUBSTRATE:
   S-LAH64

2. CENTERING TOLERANCE (AT 587.6nm):
   BEAM DEVIATION (HALF ANGLE): <3 ARCMIN

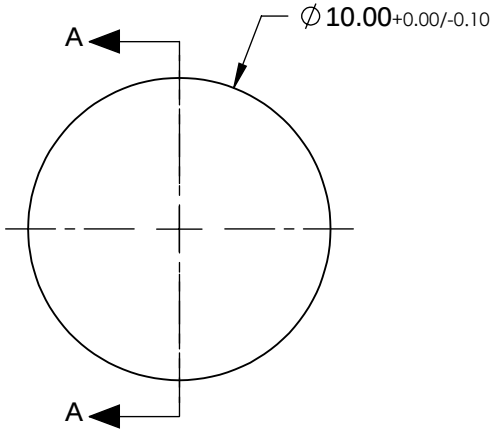
3. COATING (APPLY ACROSS COATING APERTURE)
   S1: NIR (600-1050nm)
   Ravg < 0.5% @ 600 - 1050nm @ ±30° AOI
   Rabs < 1.5% @ 600 - 1050nm @ ±30° AOI
   S2: NIR (600-1050nm)
   Ravg < 0.5% @ 600 - 1050nm @ ±30° AOI
   Rabs < 1.5% @ 600 - 1050nm @ ±30° AOI

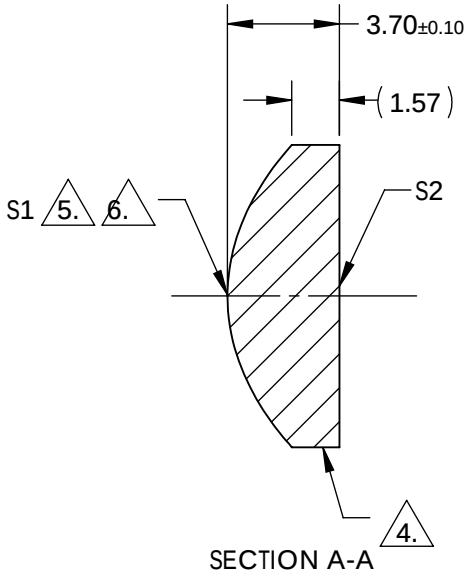
4. EDGES: FINE GROUND

5. ASPHERIC FIGURE ERROR: 0.75 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 5.

COEFFIECIENT	S1
SEMI-DIAMETER	5.000000E+00
(1/RADIUS)	1.609011E-01
k	-9.930000E-01
D	0.000000E+00
E	1.932900E-04
F	-1.552500E-07
G	-1.140000E-08
H	-1.022900E-10
J	1.394500E-12
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	6.215	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	9 mm	9 mm
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

BFL @ 780nm:

THIRD ANGLE PROJECTION

ALL DIMS IN mm

Edmund Optics®

TITLE: 10mm Dia., 0.63 NA, 600-1050nm Coated, NIR Aspheric Lens

DWG NO: 16278

SHEET 1 OF 1