NOTES:

1. SUBSTRATE:
   S-LAH64

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

3. COATING (APPLY ACROSS COATING APERTURE)
   S1: VIS (350-700nm)
   Ravg < 0.5% @ 350 - 700nm @ ±30° AOI
   Rabs < 1.5% @ 350 - 700nm @ ±30° AOI
   S2: VIS (350-700nm)
   Ravg < 0.5% @ 350 - 700nm @ ±30° AOI
   Rabs < 1.5% @ 350 - 700nm @ ±30° AOI

4. EDGES: FINE GROUND

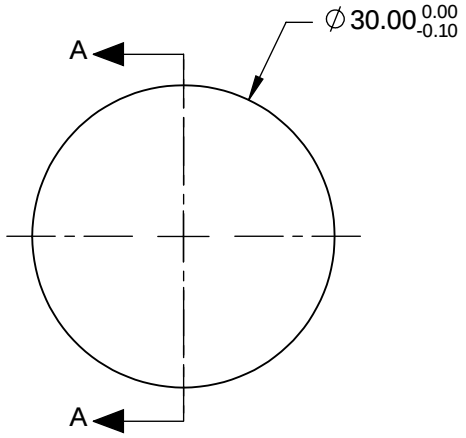
5. ASPHERIC FIGURE ERROR: 0.75 µm RMS

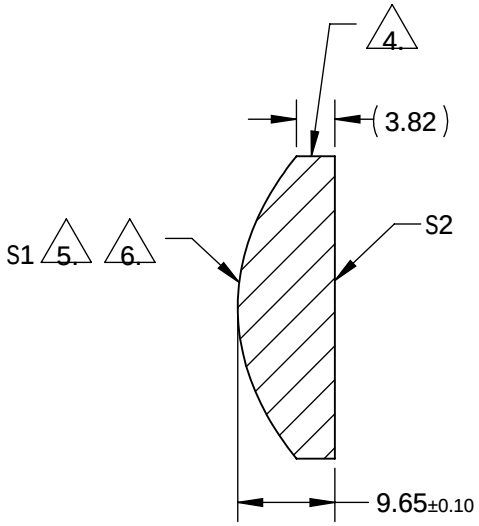
6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE):

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

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY





SECTION A-A

COEFFIECIENT TABLE 6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	1.500000E+01
(1/RADIUS)	4.95049505E-02
k	-9.750000E-01
D	0.000000E+00
E	5.035200E-06
F	-8.189800E-10
G	-2.938300E-12
H	-1.936100E-15
J	3.397600E-18
L	0.000000E+00

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	20.200	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	27 mm	27 mm
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

BFL @ 780nm: 20.57

THIRD ANGLE PROJECTION

ALL DIMS IN mm

Edmund Optics®

TITLE: 30mm Dia., 0.58 NA, 350-700nm Coated, NIR Aspheric Lens

DWG NO: 16274

SHEET 1 OF 1