NOTES:

1. SUBSTRATE: L-BAL35

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1: R(avg) ≤1.5% @ 425 - 675nm
   S2: R(avg) ≤1.5% @ 425 - 675nm

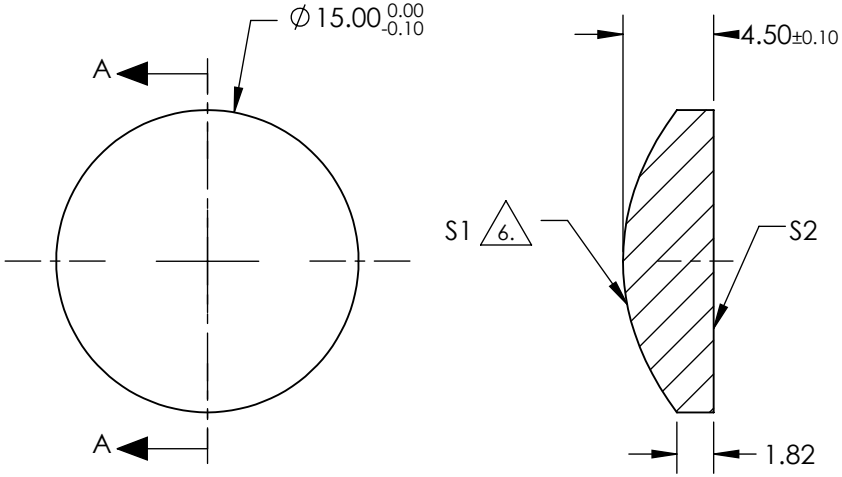
3. EDGES: FINE GROuND

4. CENTERING: <3-5 ARCMIN

5. ASPHERE 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

COEFFIECIENT TABLE △7	
COEFFIECIENT	**S1**
SEMI-DIAMETER	7.500000E+00
(1/RADIUS)	0.090531E+00
k	-1.832442E+00
D	0.000000E+00
E	1.166845E-04
F	-2.157671E-07
G	9.596239E-10
H	-2.541401E-12
J	0.000000E+00
L	0.000000E+00

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	11.046	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	90%	90%
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6µm	18.75	Edmund Optics®	
BFL @ 587.6µm	15.92		
THIRD ANGLE PROJECTION		TITLE	15mm DIA., 0.40 NUMERICAL APERTURE VIS COATED, ASPHERIC LENS
ALL DIMS IN	mm	DWG NO	49099 SHEET 1 OF 1