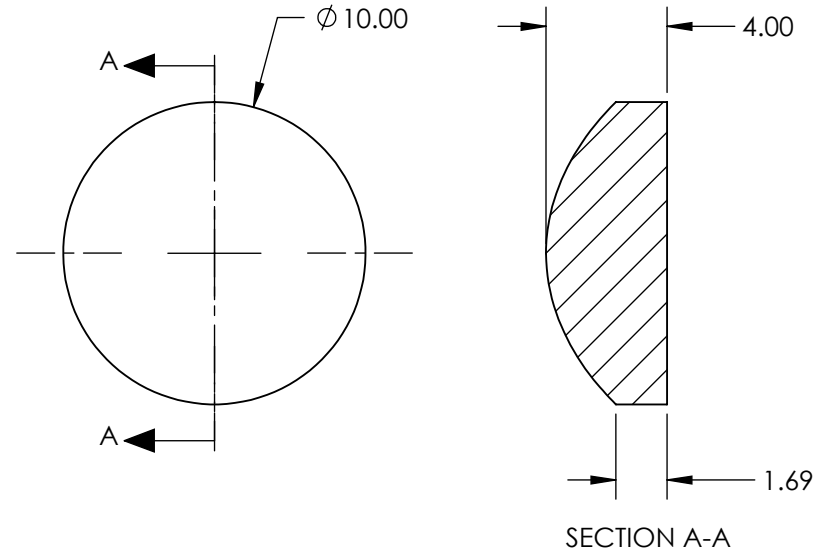NOTES:
1. SUBSTRATE: L-BAL35

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1: R(avg) ≤1.5% @ 600 - 1050nm
   S2: R(avg) ≤1.5% @ 600 - 1050nm

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)

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

Ø 10.00

A

A

4.00

1.69

SECTION A-A

COEFFIECIENT TABLE /6.\	
COEFFIECIENT	S1
SEMI-DIAMETER	5.000000E+00
(1/RADIUS)	1.697505E-01
k	-1.062472E+00
D	0.000000E+00
E	3.101282E-04
F	1.265069E-06
G	-1.767675E-08
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	5.891	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	90%	90%
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6µm	10
BFL @ 587.6µm	7.48

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 10mm DIA, 0.50 NUMERICAL APERTURE NIR COATED, ASPHERIC LENS

ALL DIMS IN: mm

DWG NO: 69861

SHEET 1 OF 1