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

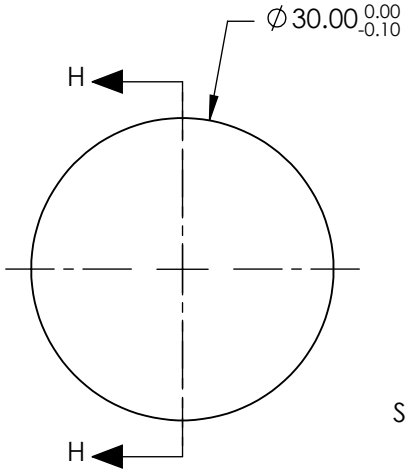
3. EDGES: FINE GROUND

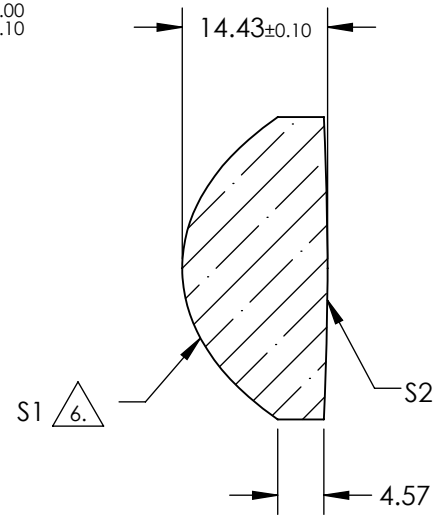
4. CENTERING: 3-5 ARCMIN

5. ASPHERE FIGURE ERROR: 0.75 µm RMS

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

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





SECTION H-H

COEFFIECIENT TABLE 6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	15.000000E+00
(1/RADIUS)	7.341611E-02
k	-6.250402E-01
D	0.000000E+00
E	0.000000E+00
F	3.055889E-08
G	-1.438345E-10
H	0.000000E+00
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

REV. A	S1	S2
SHAPE	CONVEX	CONVEX
RADIUS	5.731	300.00
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	90%	90%
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6µm	22.5	Edmund Optics®	
BFL @ 587.6µm	13.73		
THIRD ANGLE PROJECTION		TITLE	30mm DIA., 0.66 NUMERICAL APERTURE NIR COATED, ASPHERIC LENS
ALL DIMS IN	mm	DWG NO	66331
			SHEET 1 OF 1