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

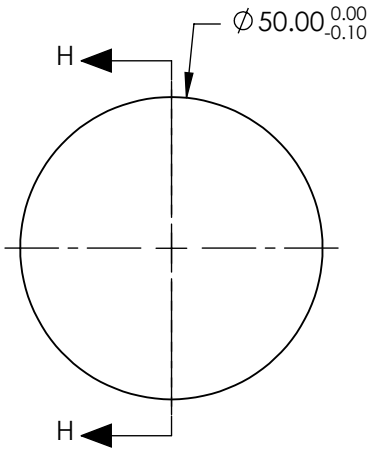
3. EDGES: FINE GROUND

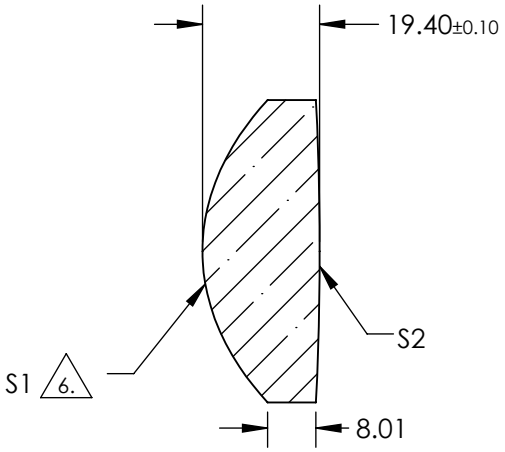
4. CENTERING: 3-5 ARCMIN

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 H-H

COEFFIECIENT TABLE 6.	
COEFFIECIENT	S1
SEMI-DIAMETER	25.000000E+00
(1/RADIUS)	3.241451E-02
k	-6.221342E-01
D	0.000000E+00
E	0.000000E+00
F	-1.379492E-10
G	-3.125020E-13
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	PLANO
RADIUS	30.850	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	90%	90%
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6µm	50	Edmund Optics®	
BFL @ 587.6µm	38.33		
THIRD ANGLE PROJECTION		TITLE	50mm DIA., 0.50 NUMERICAL APERTURE VIS COATED, ASPHERIC LENS
ALL DIMS IN	mm	DWG NO	66326
			SHEET 1 OF 1