NOTES:

1. SUBSTRATE: N-SF5

2. COATING (APPLY ACROSS CLEAR APERTURE)

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

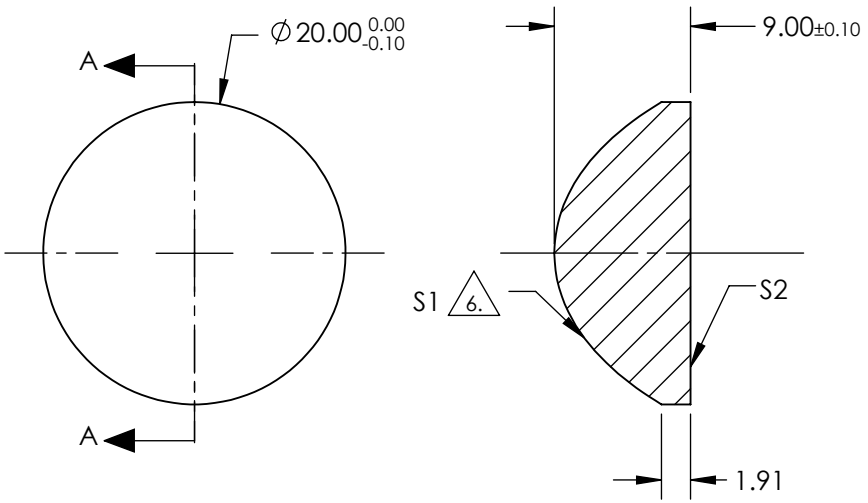
3. EDGES: FINE GROUND

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 △6.	
COEFFIECIENT	S1
SEMI-DIAMETER	10.000000E+00
(1/RADIUS)	1.189202E-01
k	-1.312935E+00
D	0.000000E+00
E	1.662932E-04
F	4.824129E-08
G	8.149880E-10
H	-1.105058E-11
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	8.409	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	90%	90%
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6µm	12.5	Edmund Optics®	
BFL @ 587.6µm	7.12		
THIRD ANGLE PROJECTION		TITLE	20mm DIA., 0.8 NUMERICAL APERTURE VIS COATED, ASPHERIC LENS
ALL DIMS IN	mm	DWG NO	67251
			SHEET 1 OF 1