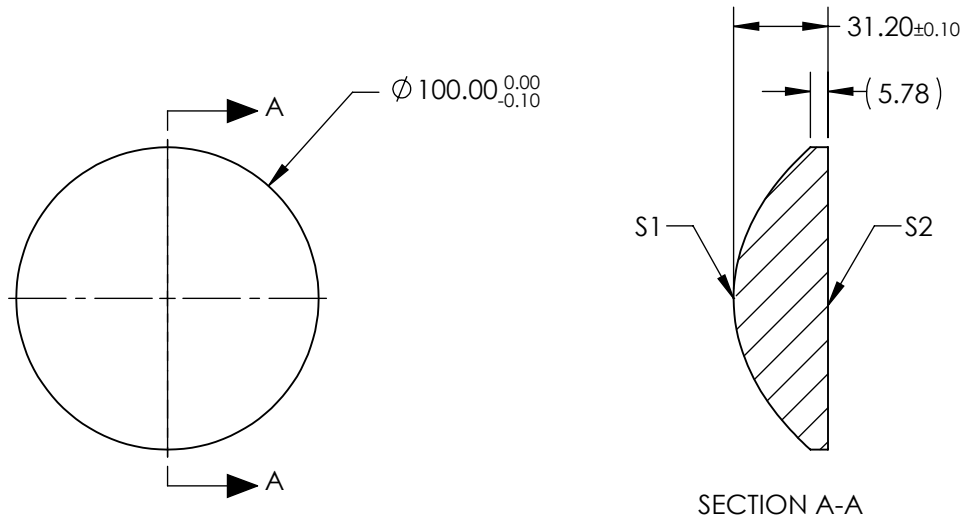NOTES:
1. SUBSTRATE: N-SF5

2. COATING (APPLY ACROSS CLEAR APERTURE)

       S1: NONE
       S2: NONE

3. EDGES: FINE GROuND

4. CENTERING: ≤5 ARCMIN

5. ASPHERE FIGURE ERROR: 0.75µm RMS

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

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

$\varnothing 100.00^{0.00}_{-0.10}$

A

A

31.20±0.10

(5.78)

S1   S2

SECTION A-A

COEFFIECIENT TABLE ⃞6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	5.000000E+01
(1/RADIUS)	1.858149E-02
k	-7.860000E-01
D	0.000000E+00
E	1.650000E-07
F	3.220000E-12
G	-1.030000E-15
H	-4.030000E-19
J	1.990000E-23
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	53.817	-8.573
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	⌀90.00	⌀90.00
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	80.00
BFL @ 587.6nm	61.35

THIRD ANGLE PROJECTION

TITLE

ALL DIMS IN   mm

Edmund Optics®

LENS ASPHERE 100MM F/0.8 UNCTD

DWG NO   15003

SHEET 1 OF 1