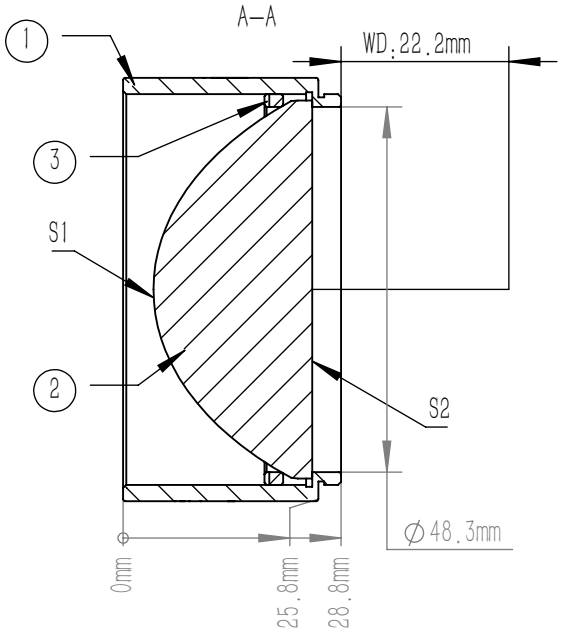
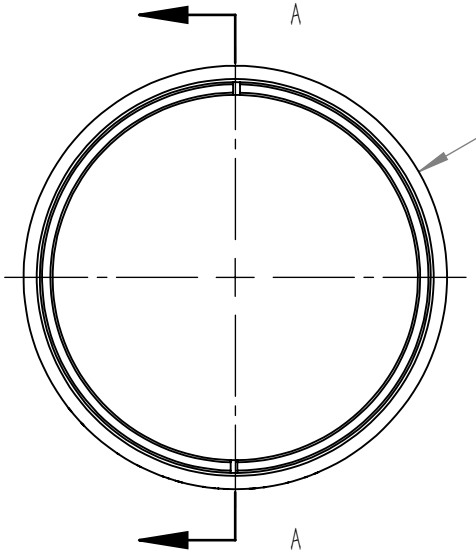
ASPHERIC LENS EQUATION

	R	k	A4
S1	20.923	−0.6405	2.0E−06
S2	PLANO	–	–

ASPHERIC COEFFICIENTS

$$z = \frac{Y^2}{R\left(1+\sqrt{1-(1+k)Y^2/R^2}\right)} + A_4 Y^4$$





NOTE

1. DESIGN WAVELENGTH: 633.0 nm
2. CLEAR APERTURE: >90%CA
3. OPERATION WAVELENGTH: 380 nm–2.1 μm
4. NA: 0.60
5. F/#: 0.89
6. DIAMETER TOLERANCE: +0.0/−0.5 mm
7. THICKNESS TOLERANCE: ±0.3 mm
8. FOCAL LENGTH: 40.0 mm±8%
9. BACK FOCAL LENGTH(REF): 26.0mm
10. SURFACE QUALITY(S1,S2): 80/50 (S/D)
11. SURFACE FLATNESS(S2): λ/2@632.8 nm
12. CENTRATION: <30 arcmin
13. CHAMFER: <0.2 mm,45°
14. COATING (S1,S2) : UNCOATED

	PART DESCRIPTION	MATERIAL
1	SM2L25A	ANODIZED ALUMINIUM
2	ASL5040	B270
3	SM2SR	ANODIZED ALUMINIUM

DRAWING PROJECTION

CRUIS
cruis-optics.com

	NAME	DATE	ASL5040M			
DRAWN	WENSHUO	2024/08/28	∅ 50.0 mm,F=40.0 mm,NA=0.60 ASPHERIC CONDENSER LENS UNCOATED			
APPROVAL	SHAWN	2024/08/28	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N/A		1:1	A