NOTES:

1. SUBSTRATE:
   LIBA 2000+

2. CENTERING TOLERANCE (AT 587.6nm): BEAM DEVIATION (HALF ANGLE): <25 ARCMIN

3. COATING (APPLY ACROSS COATING APERTURE)
   S1& S2: ¼ WAVE MgF2 @ 550nm
   R(AVG) < 1.75% FROM 400-700nm (N-BK7)

4. ⟨4.⟩ EDGE: AS MOLDED

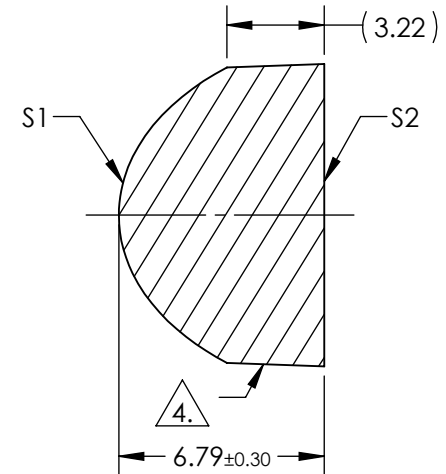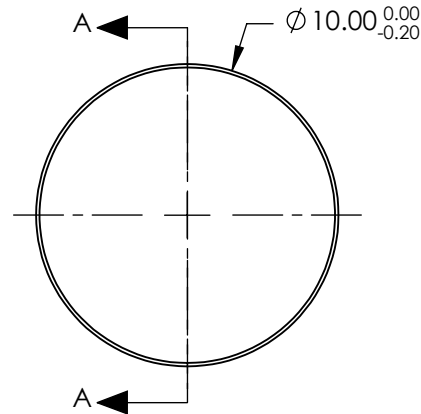5. ⟨5.⟩ ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING EQUATION AND COEFFICIENTS SHOWN IN TABLE BELOW

$$Z(Y)=\frac{\left(\frac{1}{RADIUS}\right)*Y^2}{1+\sqrt{1-(1+k)*\left(\frac{1}{RADIUS}\right)^2*Y^2}}+D*Y^2+E*Y^4+F*Y^6+G*Y^8+H*Y^{10}+J*Y^{12}+L*Y^{14}+M*Y^{16}$$

6. RoHS: COMPLIANT

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

COEFFICIENT TABLE ⟨5.⟩	
	S1
Semi-diameter	5.0
Coefficient	
(1/RADIUS)	2.398082E-01
k	-6.570601E-01
D	0.000000E+00
E	2.500548E-04
F	5.665679E-06
G	1.109842E-07
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00
M	0.000000E+00

$\varnothing 10.00^{0.00}_{-0.20}$

(3.22)

S1 — S2

6.79±0.30

SECTION A-A

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

REV. A	S1	S2	EFL: 8.00	Edmund Optics®
SHAPE	CONVEX	PLANO	BFL: 3.20	
RADIUS	4.170	∞	THIRD ANGLE PROJECTION	TITLE: LENS CONDENSER 10mm X 8mm MgF2 TS
SURFACE QUALITY	As Molded	As Molded		
CLEAR APERTURE	Ø8.78	Ø8.78	ALL DIMS IN mm	DWG NO 15190
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED		SHEET 1 OF 1