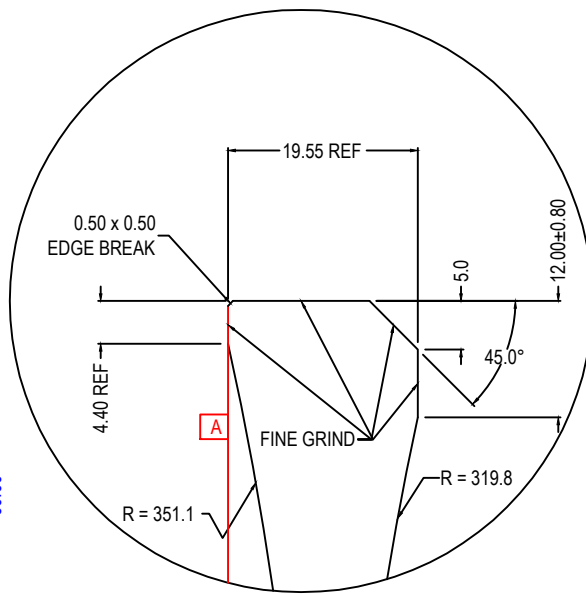
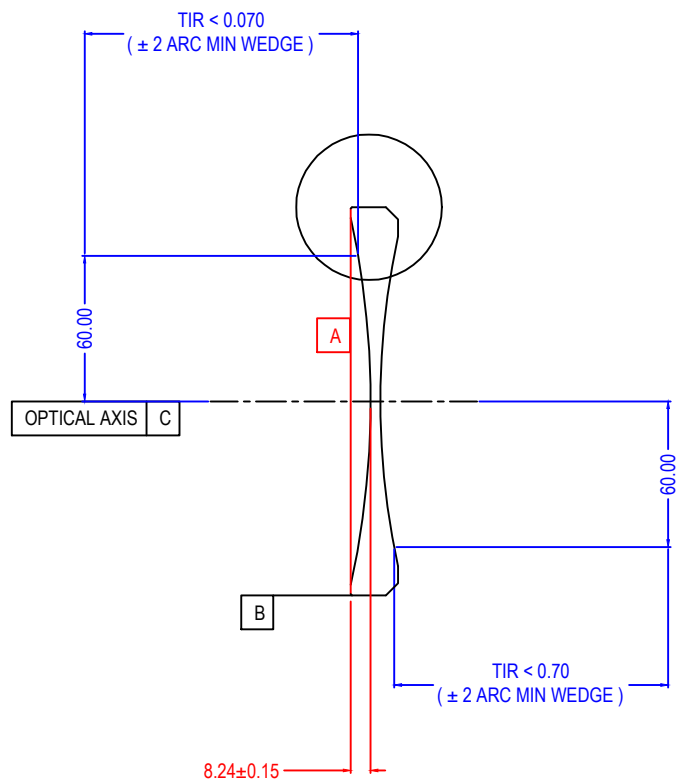


RADIUS	RAD. TOL.	TEST PLATE RAD.	RAD. FIT @ C.A.	IRREG. @ C.A.	C. A. Ø	SCR / DIG	EDGE Ø	EDGE Ø TOL	C. T.	C. T. TOL	GLASS
351.1 (CC)	± 0.60	351.10 ± 0.55	4 RINGS	1 RING	134.0	40 / 20	160.00	+ 0.00 / - 0.10	4.00	+ 0.00 / - 0.50	H-ZLAF50B
319.8 (CC)	± 0.50	319.80 ± 0.46	4 RINGS	1 RING	123.0	40 / 20					

$\lambda = 589 \text{ NM}$

4X



GLASS

H-ZLAF50B #804466 ; FINE ANNEALED; STRIAE GRADE 1;
BUBBLE GRADE "B", (CHINA SPECIFICATION).

COATING ON BOTH CONCAVE SURFACES

QUARTER WAVE MgF2 COATING ON BOTH CONCAVE SURFACES TO MIL-C-675C.
CENTER COATING @ 550 NM.

EDGE BREAKS & BEVELS & MOUNTING SURFACES

FINE GRIND SURFACES AS INDICATED.
NO CHIPS ALLOWED WITHIN CLEAR APERTURE.

GENERAL FABRICATION

PITCH POLISH OPTICAL SURFACES. UNLESS OTHERWISE NOTED, THIS LENS MUST BE
FABRICATED IN ACCORDANCE WITH MIL-O-13830A.

INSPECTION REPORT REQUIRED FOR EACH LENS

1. CERTIFY ALL SPECIFICATIONS IN HEADER.
2. CERTIFY EDGE BREAKS.
3. CERTIFY CONCENTRICITY AND TOTAL INDICATOR RUNOUT TOLERANCES.
4. CERTIFY DIMENSION FROM R = 351.1 VERTEX TO MOUNTING SURFACE A.

© 0.030 C B

2 ARC MINUTES C A

2 ARC MINUTES B A

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DIRECT ALL FABRICATION QUESTIONS TO
FATHOM IMAGING
(413) 245-3996

ALL DIMENSIONS IN MILLIMETERS

TITLE			
DOUBLE CONCAVE			
DATE	SCALE	DRAWN BY	APPROVED BY
DEC 28, 2014	1X	P. REMIJAN	
PROPERTY OF			
MBARI			
PROJECT	DESIGN FILE	REVISIONS	DWG NUMBER
901209	22T-7A	REVIEW	901209-2