



NOTES/SPECIFICATIONS:

1. MATERIAL: CORNING FUSED SILICA, SUBSTRATE GRADE, 2G OR EQUIVALENT PER MIL-G-174B
Nd: 1.458 ± 0.001 Vd: $67.821 \pm 1.0\%$
2. MANUFACTURE PER MIL-PRF-13830B
3. CHAMFER EDGES TO $0.25 \times 0.25 +0.25/-0.50$
4. CIRCULAR CLEAR APERTURE: $> \text{Ø } 45.7\text{mm}$
5. SURFACE QUALITY (S1): 10-5 SCRATCH-DIG
6. SURFACE FLATNESS (S1): $< \lambda/10$ AT 633nm
(S2): UNIFORM FINE GRIND #12-20 GRIT
7. PARALLELISM: $< 3\text{arcmin}$
8. NO CHIPS
9. EACH LOT OF OPTICS PRODUCED REQUIRES TEST DATA VERIFYING COMPLIANCE TO SPECIFICATIONS

DRAWING PROJECTION							
	NAME	DATE	50.8mm Elliptical Polished Blank				
DRAWN	CWD	2022/5/18	BBME4508-1				
APPROVAL	ZSE	2022/5/18	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			SEE NOTES		1 : 1	A	