



SCALE 1: 1

NOTES

1. CLEAR APERTURE: >80%CA
2. AR COATING(S1,S2,S3,S4): $R_{avg} < 0.5\%$ @400 nm-700 nm (6° AOI, SINGLE SURFACE)
3. ANGLE TOLERANCE: $\pm 5'$
4. COATING(S5): SPLITTING COATING
 $T_{abs} = (7+10/-7)\%$, $R_{abs} = (87 \pm 10)\%$;
 $|T_s - T_p| < 10\%$, $|R_s - R_p| < 10\%$; $T_{abs} + R_{abs} > 85\%$
5. GLUED(S5,S6): NOA61
6. SPLIT RATIO(R:T): 90:10
7. TRANSMITTED BEAM DEVIATION: $0^\circ \pm 5$ arcmin
8. REFLECTED BEAM DEVIATION: $90^\circ \pm 5$ arcmin
9. SURFACE QUALITY(S1,S2,S3,S4): 40/20(S/D)
10. WAVEFRONT ERROR(RMS): $\lambda/4$ @633 nm
11. SURFACE FLATNESS(S1,S2,S3,S4): $\lambda/6$ @633 nm
12. OTHER SURFACES: FINE GROUND
13. CHAMFER: 0.2 mm, 45°

DRAWING PROJECTION			LBTEK			
NAME	DATE					
			BS1391-A			
DRAWN	LZHOU	Aug./12th/24	BEAM SPLITTER L=20.0 mm,R:T=90:10@400 nm-700 nm			
APPROVAL	WCHENG	Aug./12th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	20.1 g	2:1	B