



NOTES

1. MATERIAL: N-BK7
2. DESIGN WAVELENGTH: 633 nm
3. INPUT BEAM DIAMETER( $1/e^2$ ):  $\phi 0.8$  mm
4. CLEAR APERTURE:  $> \phi 4.5$  mm
5. SURFACE QUALITY(S1, S2): 40/20(S/D)
6. FAN ANGLE:  $(75 +4/-1)^\circ @633$  nm
7. LINE UNIFORMITY:  $<30\%$  OVER CENTRAL 80% OF LINE @633 nm
8. LINE STRAIGHTNESS:  $>99.9\%$  OVER CENTRAL 80% OF LINE @633 nm
9. AR COATING(S1, S2):  $R_{avg} < 1\% @400\text{ nm}-1100$  nm
10. OTHER SURFACES: FINE GROUND

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	PWPD9-75-AB			
DRAWN	BSHU	Aug./1st/24	Powell Lens $\phi 9$ mm, FA=75°, AR: 400 nm-1100 nm			
APPROVAL	WCHENG	Aug./1st/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	0.85g	5:1	A