



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: $(30 + 2.5/-0.5)^\circ @633$ 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): $R_{avg} < 1\% @400$ nm-1100 nm
10. OTHER SURFACES: FINE GROUND

DRAWING PROJECTION			LBTEK			
	NAME	DATE	PWPD9-30-AB			
DRAWN	BSHU	Aug./1st/24	Powell Lens $\phi 9$ mm, FA=30°, AR: 400 nm-1100 nm			
APPROVAL	WCHENG	Aug./1st/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	1.08g	5:1	A