



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 350 nm-2.0  $\mu\text{m}$
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE:  $\pm 0.1\text{ mm}$
5. FOCAL LENGTH:  $f=750.0\text{ mm}\pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=745\text{ mm}$
7. CLEAR APERTURE:  $>90\%CA$
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE FLATNESS(S1):  $\lambda/2 @ 632.8\text{ nm}$
10. SURFACE POWER(S2):  $3\lambda/2 @ 632.8\text{ nm}$
11. SURFACE IRREGULARITY(S2):  $\lambda/4 @ 632.8\text{ nm}$
12. CENTRATION:  $<3\text{ arcmin}$
13. CHAMFER:  $<0.2\text{ mm}, 45^\circ$
14. COATING(S1,S2): UNCOATED

|  |        |              |   |        |       |     |
|--|--------|--------------|---|--------|-------|-----|
| DRAWING PROJECTION                                     |        |              | <b>LBTEK</b>  |        |       |     |
|  |        |              |   |        |       |     |
|  | NAME   | DATE         | CX10822   |        |       |     |
| DRAWN  | BSHU   | JUL./22th/24 | $\phi 50.8\text{ mm}, f=750\text{ mm}$<br>PLANO CONVEX LENS<br>UNCOATED |        |       |     |
| APPROVAL   | WCHENG | JUL./22th/24 | MATERIAL  | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES |        |              | N-BK7   | 17.4 g | 2:1   | A   |