



NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 4 $\mu$ m
2. FOCAL LENGTH:  $f = -500.0\text{mm} \pm 2\%$
3. BACK FOCAL LENGTH(REF):  $bf = -497.3\text{mm}$
4. CLEAR APERTURE:  $> \varnothing 22.86\text{mm}$
5. SURFACE QUALITY: 40-20 SCRATCH-DIG
6. CENTRATION:  $< 3\text{arcmin}$
7. DIAMETER TOLERANCE:  $+0.0/-0.1\text{mm}$
8. THICKNESS TOLERANCE:  $\pm 0.1\text{mm}$
9. COATING: BBAR  $R_{avg} < 1.25\%$  FROM 2.0-5.0 $\mu\text{m}$ ,  $0^\circ$  AOI ON BOTH OPTICAL SURFACES

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

|   |      |           |  |                                     |
|---|------|-----------|--|-------------------------------------|
| DRAWING PROJECTION  |      |           | <b>THORLABS</b><br>www.thorlabs.com  |                                     |
|   | NAME | DATE      | CaF <sub>2</sub> - MENISCUS LENS,<br>$\varnothing 25.4\text{mm}$ , $f = -500\text{mm}$ , BBAR: 2.0-5.0 $\mu\text{m}$ |                                     |
| DRAWN   | KMR  | 21/MAY/18 | MATERIAL   | VACUUM UV GRADE<br>CALCIUM FLUORIDE |
| APPROVAL  | BW   | 21/MAY/18 | REV  | C                                   |
| COPYRIGHT © 2018 BY THORLABS  |      |           | ITEM #   | APPROX WEIGHT                       |
| VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS |      |           | LF5048-E   | 6.8g                                |