



NOTES:

1. MATERIAL: Corning 7980 HPFS
2. DIFFUSER PATTERN: CIRCLE, FLAT TOP
3. DIFFUSER TYPE: REFLECTIVE, BANDLIMITED
4. DESIGN WAVELENGTH: 193–2000 nm
5. DIFFUSER FEATURE SIZE: ~100um (typical)
6. CLEAR APERTURE: Center 23.4 mm
7. SCATTERING ANGLE (FLAT TOP AREA): $20^\circ \pm 2^\circ$
8. FLATNESS FACTOR: ≥ 0.70
9. INCIDENT BEAM SIZE: >0.5 mm
10. EFFICIENCY: 90 % (uncoated)
11. MATERIAL REFRACTIVE INDE: 1.457 @ 633 nm
12. MICROSTRUCTURE (S2)

DRAWING PROJECTION			LBTEK			
	NAME	DATE	ED25Q-C-20			
DRAWN	BWang	JUL./16th/25	Engineered Diffuser UVFS $\phi 25.40 \pm 0.1$ mm			
APPROVAL		JUL./16th/25	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	g	2:1	