



INSPECTION REPORT

CPO # 39-S139373
PN # SEMD-O-CO3 RevA

ISP Optics ORDER CO- 102120 PO- 31887.3 Part ID: CAF2-L-81.0-1

Date 11-Jul-12

TYPE: Lens MATERIAL: CaF2

LOT # 50-CF-17143

LOT Qty: 2 TESTED Qty: 2

N	PARAMETER	SPECIFICATIONS			ACTUAL (MEASURED) DATA		
		NOM	Lower limit/Upper limit		1	3	Notes
1	Diameter, mm	81.00	80.98	81.00	80.99	80.99	
2	Cylindricity, inch						
3	Center Thickness, mm	23.00	22.95	23.05	22.99	22.98	
4	Full Thickness, inch						
5	Radius S1, mm cx	225.1240	225.0739	225.1741	225.0924	225.0924	
6	SAG S1, inch						
7	Radius S2, mm cc	70.7010	70.6972	70.7048	70.7028	70.7009	
8	SAG S2, inch						
9	Chamfer S1/S2, mm	0.50	0.00	0.50	0.40/0.25	0.40/0.20	
10	Chamfer S1/S2 Leg, inch						
11	Clear Aperture S1/S2, inch	77.00/77.00			77.00/77.00		
12	TIR, mm	0.010			0.008	0.008	
13	Circular Runout S1-OD, inch						
14	Circular Runout S2-OD, inch						
15	Circular Runout S2-Flat bevel S2, inch						
16	Wedge, min						
17	Flat Bevel Perpendicularity, mm						
18	Surface Quality S1, S/D	60/40			60/40		
19	Surface Roughness S1 RMS, nm	2			1.946	1.976	
20	Flatness S1, fr./λ @ 633 nm						
21	Power S1, fr./λ @ 633 nm						
22	Irregularity S1 (center zone), fr. @ 633 nm	0.50			0.28	0.34	
23	Irregularity S1 (edge zone), fr. @ 633 nm	0.50			0.32	0.31	
24	Surface Quality S2, S/D	60/40			60/40		
25	Surface Roughness S2 RMS, nm	2			0.886	0.907	
26	Flatness S2, fr./λ @ 633 nm						
27	Power S2, fr./λ @ 633 nm						
28	Irregularity S2 (center zone), fr. @ 633 nm	0.50			0.37	0.26	
29	Irregularity S2 (edge zone), fr. @ 633 nm	0.50			0.44	0.39	
30	Edge Chips out CA, mm						
31	Edge Finish						

QC Inspector Savastyuk/R-11-Jul-2012