



INSPECTION REPORT

CPO # 39-S139373
PN # SEMD-O-CA1 RevA

ISP Optics ORDER CO- 102120 PO- 31887.4 Part ID: CAF2-L-59.0-1
TYPE: Lens MATERIAL: CaF2
LOT Qty: 2 TESTED Qty: 1

Date 12-Jul-12
LOT # 50-CF-17145

N	PARAMETER	SPECIFICATIONS			ACTUAL (MEASURED) DATA		
		NOM	Lower limit/Upper limit		1	2	Notes
1	Diameter, mm	59.000	58.975	59.000		58.980	
2	Cylindricity, inch						
3	Center Thickness, mm	17.200	17.150	17.250		17.225	
4	Full Thickness, inch						
5	Radius S1, mm	cx	88.5740	88.5597	88.5883	88.5613	
6	SAG S1, inch						
7	Radius S2, mm	cc	77.8420	77.8312	77.8528	77.8386	
8	SAG S2, inch						
9	Chamfer S1/S2, mm	0.50	0.00	0.50		0.30/0.30	
10	Chamfer S1/S2 Leg, inch						
11	Clear Aperture S1/S2, inch		55.00/55.00			55.00/55.00	
12	TIR, mm		0.01			0.008	
13	Surface Quality S1, S/D		60/40			60/40	
14	Surface Roughness S1 RMS, nm		2			1.688	
15	Flatness S1, fr./λ @ 633 nm						
16	Power S1, fr./λ @ 633 nm						
17	Irregularity S1, fr. @ 633 nm		0.5			0.46	
18	Surface Quality S2, S/D		60/40			60/40	
19	Surface Roughness S2 RMS, nm		2			1.244	
20	Flatness S2, fr./λ @ 633 nm						
21	Power S2, fr./λ @ 633 nm						
22	Irregularity S2 (center zone), fr. @ 633 nm		0.50			0.46	
23	Irregularity S2 (edge zone), fr. @ 633 nm		0.50			0.44	
24	Edge Chips out CA, mm						
25	Edge Finish						

QC Inspector Savastyuk, Zaytseva/R-12-Jul-2012