



INSPECTION REPORT

CPO # 39-S139373
PN # SEMD-O-CO1 RevA

ISP Optics ORDER CO- 102120 PO- 31887.2 Part ID: CAF2-L-49.6-1

Date 12-Jul-12

TYPE: Lens

MATERIAL: CaF2

LOT # 50-CF-17144

LOT Qty: 2

TESTED Qty: 2

N	PARAMETER	SPECIFICATIONS			ACTUAL (MEASURED) DATA	
		NOM	Lower limit/Upper limit	1	2	Notes
1	Diameter, mm	49.600	49.575 49.600	49.593	49.594	
2	Cylindricity, inch					
3	Center Thickness, mm	21.000	20.950 21.050	21.020	20.960	
4	Full Thickness, inch					
5	Radius S1, mm cx	34.0850	34.0828 34.0872	34.0857	34.0857	
6	SAG S1, inch					
7	Radius S2, mm cc	92.0360	92.0128 92.0592	92.0523	92.0167	
8	SAG S2, inch					
9	Chamfer S1/S2, mm	0.500	0.000 0.500	0.35/0.35	0.35/0.40	
10	Chamfer S1/S2 Leg, inch					
11	Clear Aperture S1/S2, inch	45.60/45.60		45.60/45.60		
12	TIR, mm	0.010		0.007	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		1.541	1.810	
20	Flatness S1, fr./λ @ 633 nm					
21	Power S1, fr./λ @ 633 nm					
22	Irregularity S1, fr. @ 633 nm	0.5		0.42	0.31	
23	Surface Quality S2, S/D	60/40		60/40		
24	Surface Roughness S2 RMS, nm	2		1.342	1.509	
25	Flatness S2, fr./λ @ 633 nm					
26	Power S2, fr./λ @ 633 nm					
27	Irregularity S2, fr. @ 633 nm	0.5		0.45	0.45	
28	TWD, fr./λ @ 633 nm					
29	Edge Chips out CA, mm					
30	Edge Finish					

QC Inspector Savastyuk/R-12-Jul-2012