

nominal X/Y	nominal polar radius	nominal polar angle	actual X/Y (inch)	actual X/Y (metric)	actual polar radius	diff. polar radius	actual polar angle	diff. polar angle	average angle
22,6100			0,877194	22,2807					
16,7600	28,1444	36,5482°	0,674382	17,1293	28,1042	0,0403	37,5529°	1,0046	
-22,6100			-0,878545	-22,3150					
-16,7600	28,1444	36,5482°	-0,676809	-17,1909	28,1690	-0,0245	37,6098°	1,0615	1,0331°

25,4000

The pattern is rotated by 1,0331°
Correct the planar alignment!