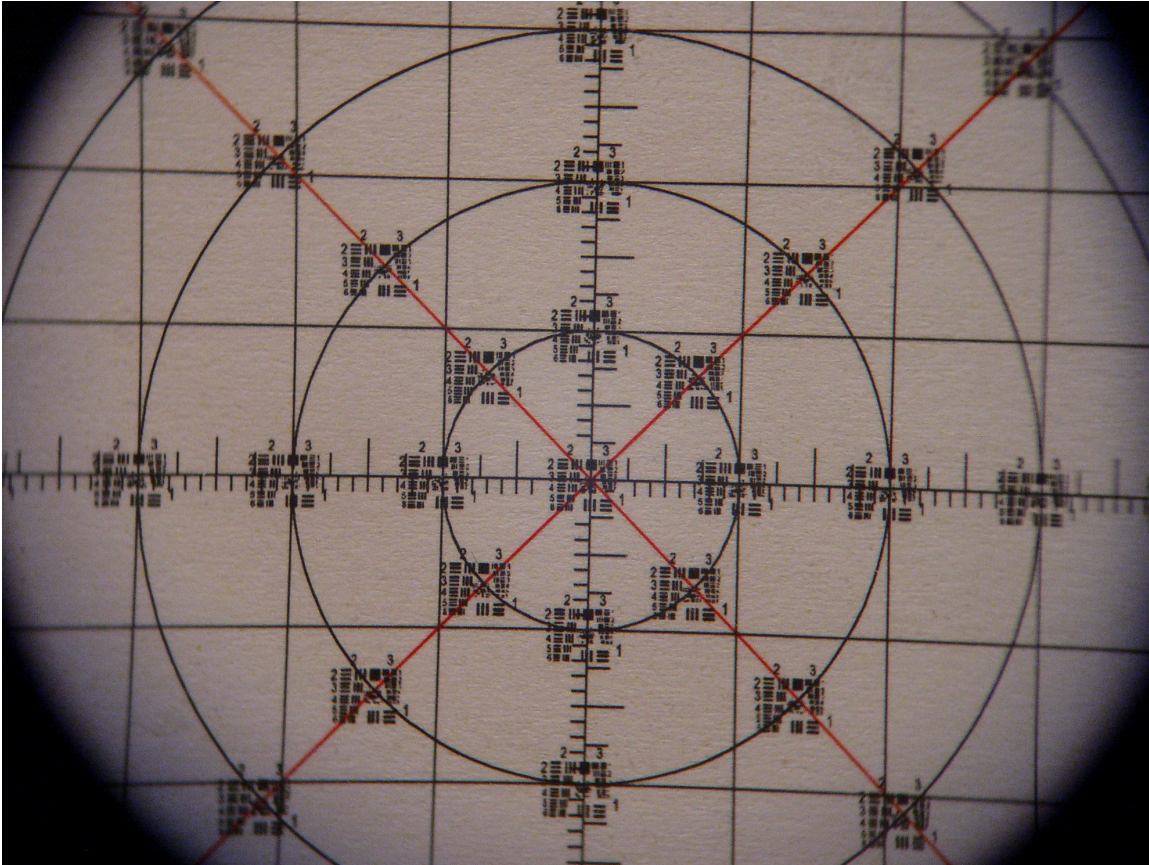


## Right Tube



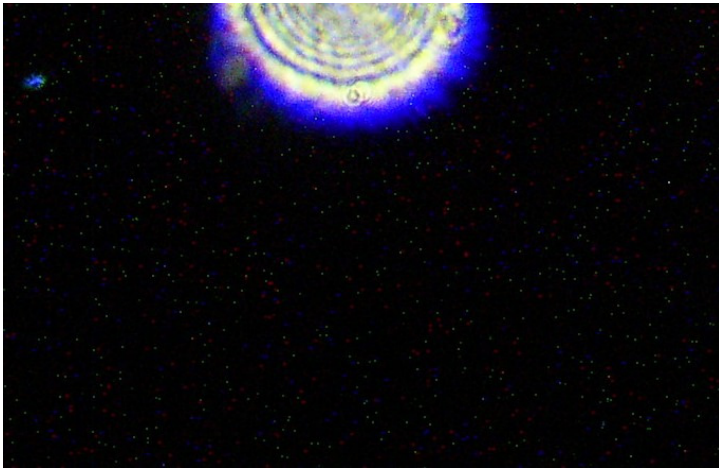
## Star Testing

I made a quick attempt at star testing to confirm my suspicions from the resolution tests and the collimator images. This test was done at 8.65 meters so the SA is even worse than normal binoculars would be.

I first examined the images about 6 waves intra and extra focus with a green, 550 nm filter in place and a spot size of about 2 arc-seconds. The intra focus pattern, for both tubes, was a good, circular, evenly spaced pattern. It was too small for me to do much analysis in the eye piece and I had a terrible time trying to photograph it, I just could not find the dim image or get all the exit pupils lined up. The extra focal image was the usual bright center surrounded by the out of focus waves of the typical SA image.

I took the filter off and increased the spot diameter to about 4 arc seconds to see if I could at least get something to post. Attached are the results. Note the SA and the amount of CA in the unfiltered test. I also managed to accidentally clip the intra focal image, I just did not notice it in the LCD display, I must have moved something. I will probably go back and spend some time getting better images for a different form of analysis at a later date. I had several tests I wanted to finish over the weekend. BTW, my pair arrived in the mail Saturday afternoon, 8/15.

With good analysis, I think I will find a minor amount of astigmatism in the right tube but, at this time, it is too minor for me to measure.



## Color and Transmission Data

Not a lot to say here. I will just post the data. There was almost no difference between tubes.

### Color information:

```
Observer      2-degree
Illuminant    A
Color Mode    Emissive
X      89.72
Y      89.36
Z      84.90
x      0.3399
y      0.3385
z      0.3216
CRI Ra      95.6 (5173K)
CRI R1      94.6 (5173K)
CRI R2      96.3 (5173K)
CRI R3      99.0 (5173K)
CRI R4      93.7 (5173K)
CRI R5      94.2 (5173K)
CRI R6      95.5 (5173K)
CRI R7      97.6 (5173K)
CRI R8      94.3 (5173K)
CRI R9      84.6 (5173K)
CRI R10     92.9 (5173K)
CRI R11     92.8 (5173K)
CRI R12     89.1 (5173K)
CRI R13     94.5 (5173K)
CRI R14     99.2 (5173K)
CRI DC      7.80E-3
DC<5.4E-3   false
CCT      5173K
u'      0.2130
v'      0.4773
w'      0.3097
u,v hue-angle      -132.5 degrees
u,v saturation      0.827
Dominant Wavelength      482.8 nm
Purity      0.292
CIE Whiteness      77.2
CIE Tint      -2.73
Hunter L      94.5
Hunter a      4.0
Hunter b      12.9
CIE L*      95.7
CIE a*      -14.2
CIE b*      -74.6
CIELAB hue-angle      -100.8 degrees
CIELAB chroma      76.0
CIE1960 u      0.2130
CIE1960 v      0.3182
```

