

Aperture test

DJI Mavic 3M & 3E
20 Mpix RGB camera

SYLPHAGRO – February 2026

Aperture test

Wheat field

Altitude : 11,4m

ISO : 100 to 500

Shutter speed : 1/350 to
1/250

Images cropping : 300 x
300 pixels



f/4.0



f/5.6



f/8.0



f/10



f/11

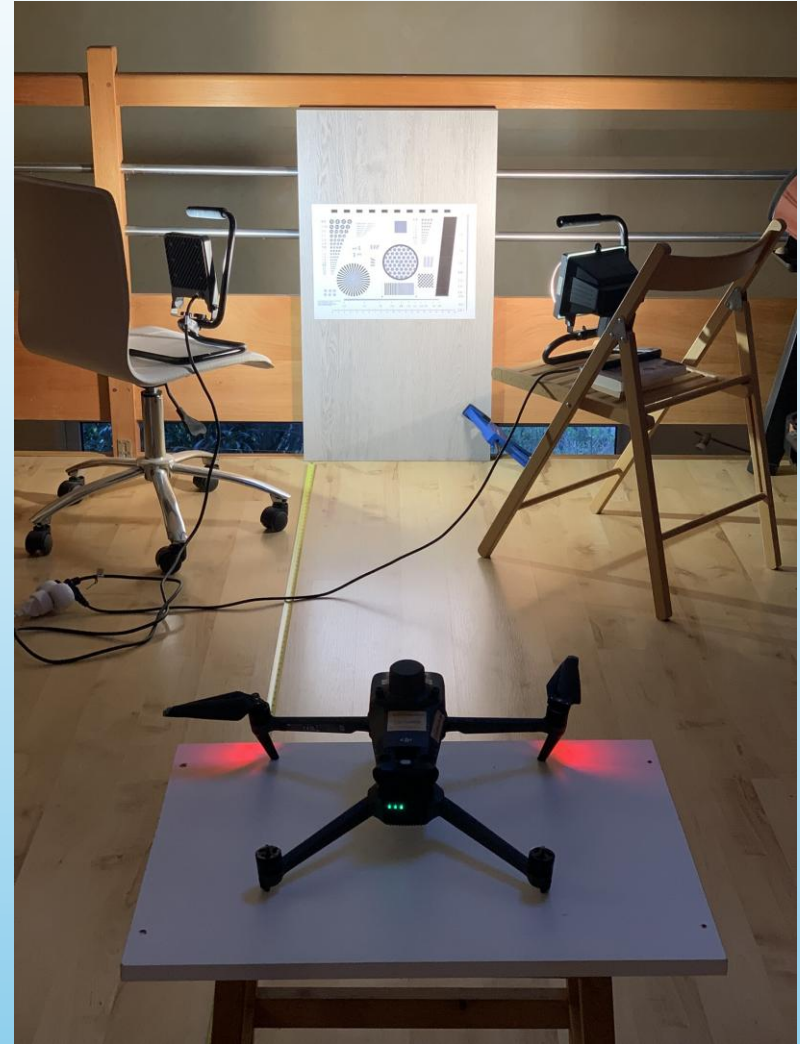
Aperture test Indoor

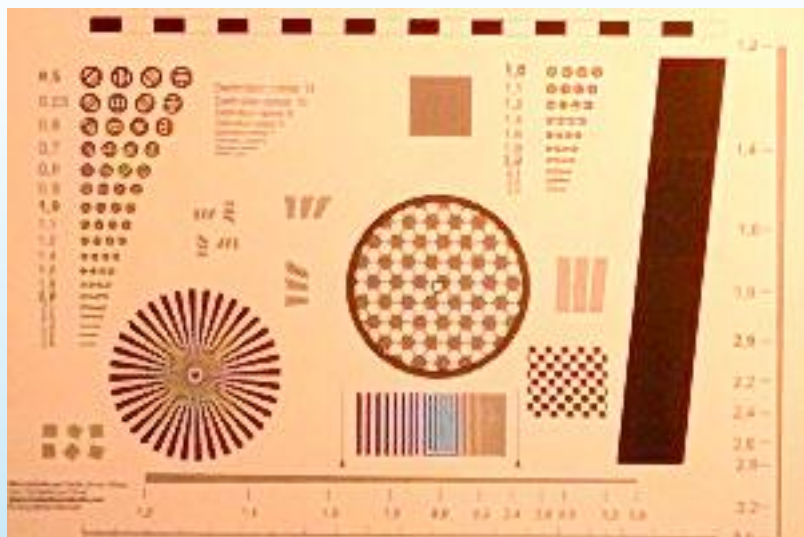
Distance : 5 m

ISO : 100

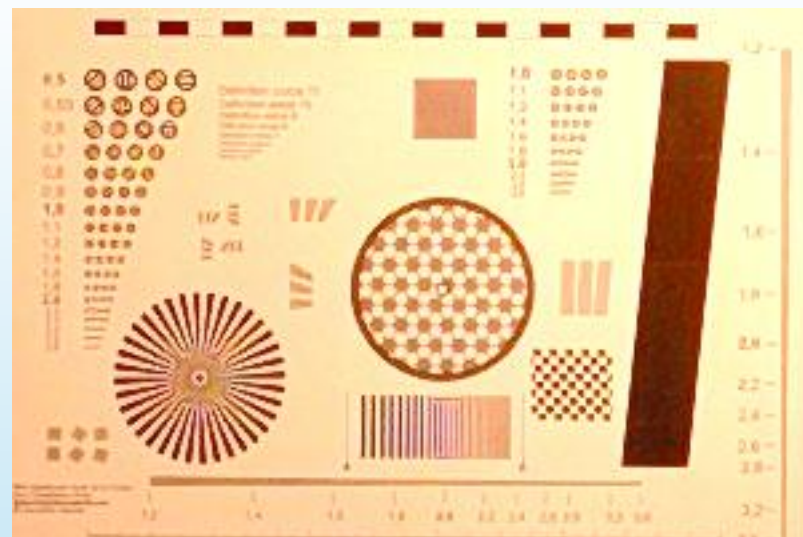
Shutter speed : 1/320 to 1/50

Images cropping : 300 x 200 pixels

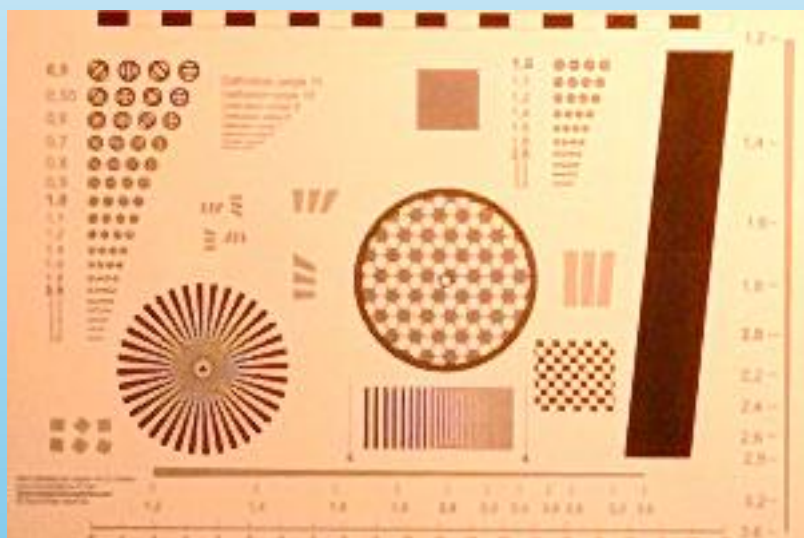




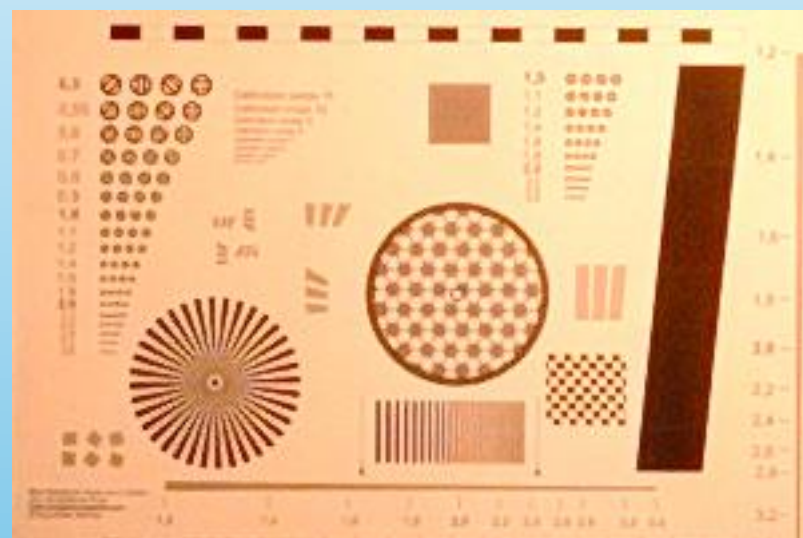
f/4.0



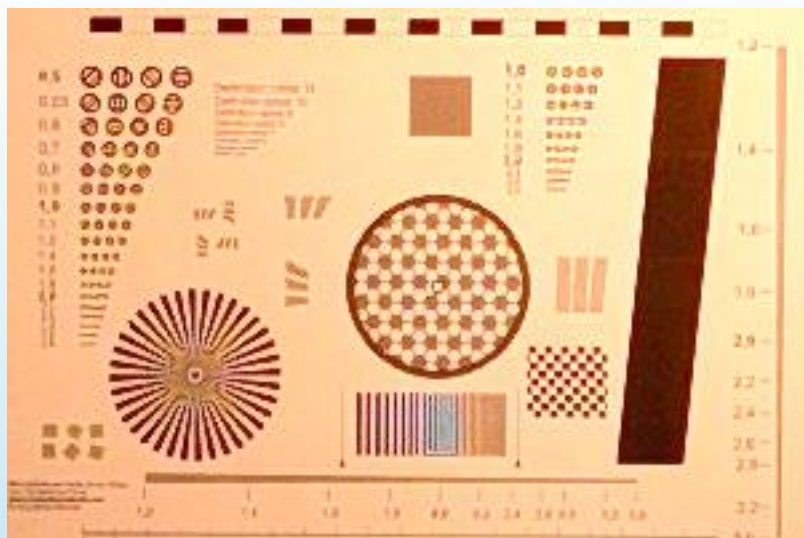
f/5.6



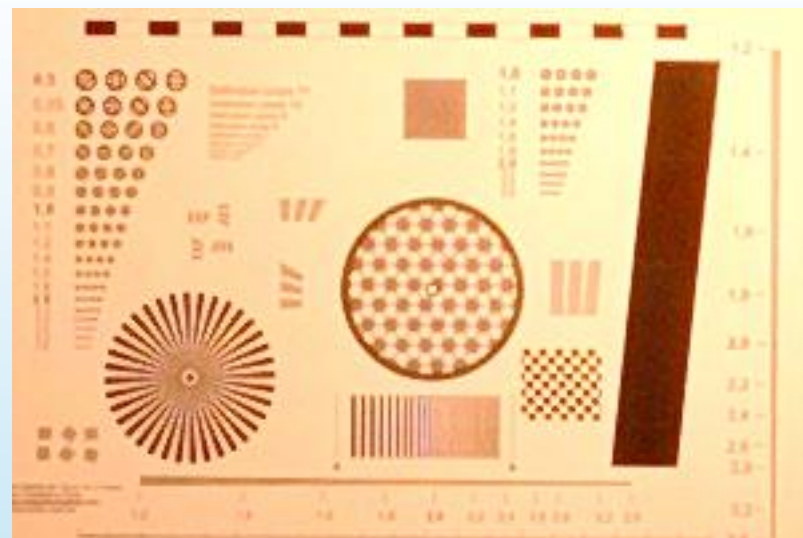
f/7.1



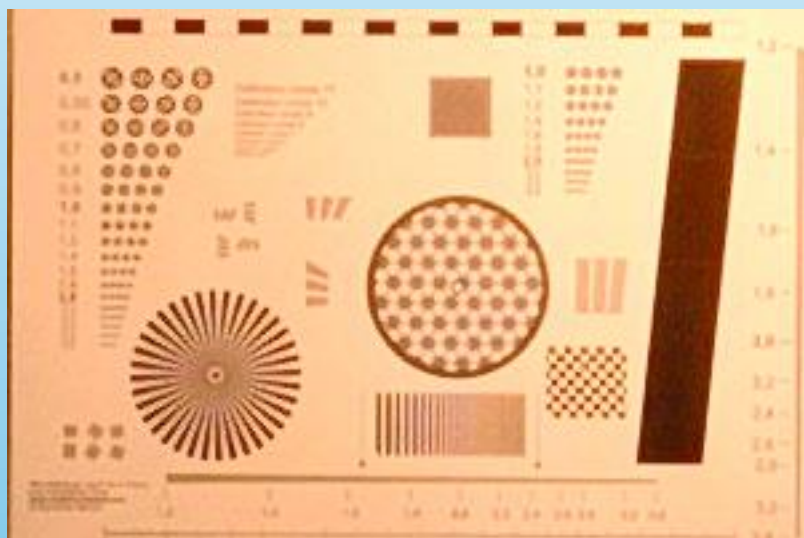
f/8.0



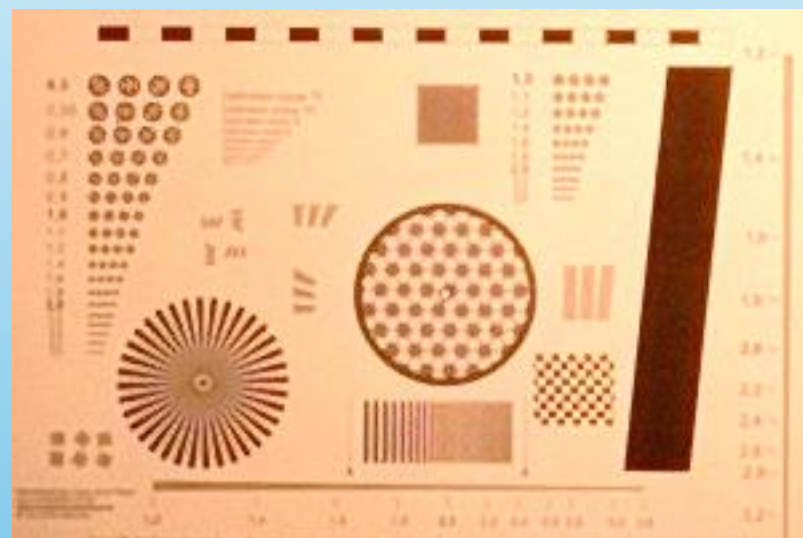
f/4.0



f/9.0



f/10



f/11

Aperture test – Take away

- Due to the laws of optics, image resolution is degraded for small lens apertures ($> f/8$)
- At full aperture, the edges of the image are less well defined and vignetting is strong

So for a full aperture range from $f/2.8$ to $f/11$

- Aperture optimal values : $f/4$ to $f/5.6$
- Aperture recommended range : $f/3.2$ to $f/8$