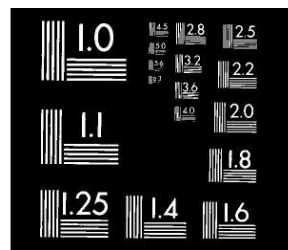
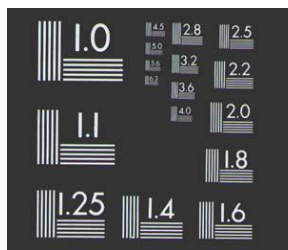


- *Definition: The ability of optical systems and photo-materials to render visible fine detail of an object.*
- *A subjective measurement of finest detail that can be recorded by a micrographic system (camera, film, processing)*
- *Excerpt from ANSI/AIIM MS23-1998, 7.2 Resolution*
- *“While looking through the microscope, the inspector identifies the smallest pattern in which the five lines constituting the pattern can be distinguished in both directions (vertically and horizontally)”*
- *Some things that may affect resolution*
 - *The contrast of the original document or target*
 - *Poor original or target (wrinkled, torn or dirty)*
 - *Environmental conditions (temperature and humidity)*
 - *The imaging system used to capture or retrieve the document or target (not in control, dirty optics, improper mechanical operation) o Poor contact between master and duplicating film during duplication*
- *Resolution loss*
 - *There is always some loss in resolution from one generation to another. Maximum loss should not exceed one pattern per generation. (Film to film, film to paper)*



Note: Never use a copy of a resolution target for filming, always use an original.