	Currently Recommended Illumination* Footcandles
STORAGE ROOMS OR WAREHOUSES	
Inactive	5
Active	
Rough bulky	10
Medium	20
Fine	50
STRUCTURAL STEEL FABRICATION	50
SUGAR REFINING	
Grading	50
Color inspection	200
TESTING	
General	50
Extra fine instruments, scales, etc	200**
TEXTILE MILLS (COTTON)	
Opening, mixing, picking	30
Carding and drawing	50
Slubbing, roving, spinning, and spooling	50
Beaming and slashing on comb	
Grey goods	50
Denims	150
Inspection	
Grey goods (hand turning)	100
Denims (rapidly moving)	500**
Automatic tying-in	150**
Drawing-in by hand	200**
Weaving	100

	Currently Recommended Illumination* Footcandles
TEXTILE MILLS (SILK AND SYNTHETICS)	
Manufacturing	
Soaking, fugitive tinting, and conditioning or setting of twist	30
Winding, twisting, rewinding, and coning, quilling, slashing	
Light thread	50
Dark thread	200
Warping (silk or cotton system) on creel, on running ends, on reel, on beam, on warp at beaming	100
Drawing-in	
On heddles	200**
On reed	200**
Weaving	100
TEXTILE MILLS (WOOLEN AND WORSTED)	
Opening, blending, picking	30
Grading	100**
Carding, combing, recombing, gilling	50
Drawing (white)	50
Drawing (colored)	100
Spinning (frame) (white)	50
Spinning (frame) (colored)	100
Spinning (mule) (white)	50
Spinning (mule) (colored)	100
Twisting (white)	50
Winding (white)	30

*Minimum on the task at any time

**Obtained with a combination of general lighting plus specialized supplementary lighting. Care should be taken to keep within the recommended brightness ratios. These seeing tasks generally involve the discrimination of fine detail for long periods of time and under conditions of poor contrast. The design and installation of the combination system must provide not only a sufficient amount of light, but also the proper direction of light, diffusion, and eye protection. As far as possible, it should eliminate direct and reflected glare as well as objectionable shadows.

†The specular surface of the material may necessitate special consideration in selection and placement of lighting equipment, or orientation of the work.

††Special lighting such that (1) the luminous area be large enough to cover the surface which is being inspected and (2) the brightness be within the limits necessary to obtain comfortable contrast conditions. This involves the use of sources of large area and relatively low brightness in which the source brightness is the principal factor rather than the footcandles produced at a given point.