

TABLE 2

Specific Recommended Values of Illumination*

	Current recommended practice, footcandles in service (on task or 30 in. above floor)		Current recommended practice, footcandles in service (on task or 30 in. above floor)
Airplane manufacturing		Make-up room	
Stock parts		Bread	30
Production	70	Sweet yeast raised products	50
Inspection	150	Proofing room	20
Parts manufacturing		Oven room	30
Drilling, riveting, and screw fastening	50	Fillings and other ingredients	50
Spray booths	50	Decorating and icing	30
Sheet aluminum layout and template work; shaping and smoothing of small parts for fuselage; wing sections, cowling, etc.	70	Mechanical	30
Hand	100 ^b	Scales and thermometers	50
Welding		Wrapping room	30
General illumination	70	Storage room	20
Supplementary illumination	2000	Shipping room	30
Subassembly		Reception rooms	20
Landing gear, fuselage, wing sections, cowling and other large units	50	Washrooms, stairways	20
Final assembly		Halls, corridors, passageways	10
Placing of motors, propellers, wing sections and landing gear	70	Book binding	
Inspection of assembled ship and its equipment	70	Folding, assembling, pasting, etc.	30
Machine tool repairs	150	Cutting, punching, and stitching	50
Assembly		Embossing	50
Rough	50	Breweries	
Medium	100	Brew house	10
Fine	200	Boiling, keg washing, and filling	20
Extra Fine	500 ^b	Bottling	30
Automobile manufacturing		Building	
Assembly line	150	Construction	20
Frame assembly	50	Excavation work	5
Body manufacturing		Candy making	30
Parts	50	Box department	30
Assembly	50	Chocolate department	
Finishing and inspecting	300 ^b	Husking, winnowing, fat extraction, crushing and refining, feeding	20
Bakeries		Bean cleaning and sorting, dipping, packing, wrapping	30
Mixing room	30	Milling	100
Face of shelves (vertical illumination)	20	Grain-making	
Inside of mixing bowl (vertical mixers)	100 ^b	Mixing, cooking, and molding	30
Fermentation room	20	Gum drops and jellied forms	30
		Hand decorating	100
		Hard candy	
		Mixing, cooking, and molding	30

TABLE 2 (continued)

	Current recommended practice, footcandles in service (on task or 30 in. above floor)		Current recommended practice, footcandles in service (on task or 30 in. above floor)
Die cutting and sorting	100	Enameling	50
Gas making and wrapping	100	Color and glazing	50
Special holiday candy—hand decorating	100	Cleaning and pressing industry	
Canning and preserving (from U.S. report "Lighting for Canneries")		Checking and sorting	50
Receiving		Dry and wet cleaning and steaming	30
Grading raw material samples	20	Inspection and spotting	300
Tomatoes	100	Pressing	
Color grading (cutting rooms)	100 ^b	Machine	50
Preparation		Hand	100
Preliminary sorting		Receiving and shipping	30
Apricots and peaches	50	Repair and alteration	300
Tomatoes	100	Cloth products	
Olives	125	Cutting, inspecting, sewing	
Cutting and pitting	35	Light goods	50
Final sorting	100	Medium goods	150
Canning		Dark goods	500 ^b
Continuous belt canning	100	Pressing, cloth treating (oil cloth, etc.)	
Sink canning	100	Light goods	50
Hand packing	20	Medium goods	70
Olives	50	Dark goods	150
Examination of canned samples	150 ^b	Coal tipples and cleaning plants	
Container handling		Breaking, screening, and cleaning	20
Inspection	150 ^c	Picking	500 ^b
Can unscramblers	10 ^c	Construction, indoor	
Labeling and cartoning	20	General	20
Storage warehouses	5	Corridors	10
Chemical works		Control rooms	
Hand-furnaces, boiling tanks, stationary driers, stationary and gravity crystallizers	10	Vertical face of switchboards	
Mechanical furnaces; generators and stills, mechanical driers, evaporators, filtration, mechanical crystallizers, bleaching	20	Simplex or section of duplex facing operator	
Tanks for cooking, extractors, centrifugers, electrolytic cells, supercolators	50	Type A—large centralized control room 66 inches above floor	100
Clay products and cements		Type B—Ordinary control rooms at 66 inches above floor	70
Grinding, filter presses, kiln rooms	10	Section of duplex facing away from operator	50
Molding, pressing, cleaning and trimming	30	Bench boards (horizontal level)	50
		Area inside duplex switchboards (horizontal, 1 foot above floor)	10
		Rear of all switchboard panels (vertical)	20

(continued)