

Fig. 43 Continued

II. Continued

Area/Activity	Illuminance Category	Area/Activity	Illuminance Category
Book repair and binding	D	Thermal copy, poor copy	F ³
Cataloging	D ³	Xerograph	D
Card files	E	Xerography, 3rd generation and greater	E
Carrels, individual study areas (see Reading)		Electronic data processing tasks	
Circulation desks	D	CRT screens	B ^{12, 13}
Map, picture and print rooms (see Graphic design and material)		Impact printer	
Audiovisual areas	D	good ribbon	D
Audio listening areas	D	poor ribbon	E
Microform areas (see Reading)		2nd carbon and greater	E
Locker rooms	C	Ink jet printer	D
Merchandising spaces		Keyboard reading	D
Alteration room	F	Machine rooms	
Fitting room		Active operations	D
Dressing areas	D	Tape storage	D
Fitting areas	F	Machine area	C
Locker rooms	C	Equipment service	E ¹⁰
Stock rooms, wrapping and packaging	D	Thermal print	E
Sales transaction area (see Reading)		Handwritten tasks	
Circulation (see Fig. 47) ^B		#2 pencil and softer leads	D ³
Merchandise (see Fig. 47) ^B		#3 pencil	E ³
Feature display (see Fig. 47) ^B		#4 pencil and harder leads	F ³
Show windows (see Fig. 47) ^B		Ball-point pen	D ³
Motels (see Hotels)		Felt-tip pen	D
Municipal buildings—fire and police		Handwritten carbon copies	E
Police		Non photographically reproducible colors	F
Identification records	F	Chalkboards	E ³
Jail cells and interrogation rooms	D	Printed tasks	
Fire hall	D	6 point type	E ³
Museums		8 and 10 point type	D ³
Displays of non-sensitive materials	D	Glossy magazines	D ¹³
Displays of sensitive materials (see Fig. 46) ²		Maps	E
Lobbies, general gallery areas, corridors	C	Newsprint	D
		Typed originals	D
		Typed 2nd carbon and later	E
		Telephone books	E

Elevators, freight and passenger	C	Diagnosis unit, medical	F
Exhibition halls	C ¹	Elevators	C
Filing (refer to individual task)		EKG and specimen room ¹⁷	
Financial facilities (see Banks)		General	B
Fire halls (see Municipal buildings)		On equipment	C
Food service facilities		Emergency outpatient ¹⁷	
Dining areas		General	E
Cashier	D	Local	F
Cleaning	C	Endoscopy rooms ^{17, 18}	
Dining	B ⁶	General	E
Food displays (see Merchandising spaces)		Peritoneoscopy	D
Kitchen	E	Culdoscopy	D
Garages—parking	(see Fig. 55)	Examination and treatment rooms ¹⁷	
Gasoline stations (see Service stations)		General	D
Graphic design and material		Local	E
Color selection	F ¹¹	Eye surgery ^{17, 18}	F
Charting and mapping	F	Fracture room ¹⁷	
Graphs	E	General	E
Keylining	F	Local	F
Layout and artwork	F	Inhalation therapy	D
Photographs, moderate detail	E ¹³	Laboratories ¹⁷	
		Specimen collecting	E
		Tissue laboratories	F
		Microscopic reading room	D
		Gross specimen review	F

For footnotes, see page 102. For illuminance ranges for each Illuminance Category, see page 87.

I. Illuminance Categories and Illuminance Values for Generic Types of Activities in Interiors

Type of Activity	Illuminance Category	Ranges of Illuminances		Reference Work-Plan
		Lux	Footcandles	
Public spaces with dark surroundings	A	20-30-50	2-3-5	General lighting throughout space
Simple orientation for short temporary visits	B	50-75-100	5-7.5-10	
Working spaces where visual tasks are only occasionally performed	C	100-150-200	10-15-20	
Performance of visual tasks of high contrast or large size	D	200-300-500	20-30-50	Illuminance on task obtained by a combination of general and local (supplementary lighting)
Performance of visual tasks of medium contrast or small size	E	500-750-1000	50-75-100	
Performance of visual tasks of low contrast or very small size	F	1000-1500-2000	100-150-200	
Performance of visual tasks of low contrast and very small size over a prolonged period	G	2000-3000-5000	200-300-500	
Performance of very prolonged and exacting visual task	H	5000-7500-10000	500-750-1000	
Performance of very special visual tasks of extremely low contrast and small size	I	10000-15000-20000	1000-1500-2000	