I. INTERIOR LOCATIONS AND TASKS

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Design Issues	Appearance of Space and Luminaires	Color Appearance (and Color Contrast)	Daylighting Integration and Control	Direct Glare	Flicker (and Strobe)	Light Distribution on Surfaces	Light Distribution on Task Plane (Uniformity)	Luminances of Room Surfaces	Modeling of Faces or Objects	Point(s) of Interest	Reflected Glare	Shadows	Source/Task/Eye Geometry	Sparkle/Desirable Reflected Highlights	Surface Characteristics	System Control and Flexibility	Special Considerations	Notes on Special Considerations	Illuminance (Horizontal)	Category or Value (lux)	Illuminance (Vertical)	Category or Value (lux)	Notes on Illuminance - see end of section	Reference Chapter(s)
Accounting (see Offices)																								Ch. 11
Air Terminals (see Transportation Terminals in Section V, Transportation)																								Ch. 23
Armories																				C		A		
Art Galleries (see Museums)																								Ch. 14
Auditoriums																								
Assembly																				C				
Social activity																				B		A		
Banks (see Reading)																								Ch. 11
Lobby																								
General																		(1)		C		A		
Writing area																		(1)		D		A		
Tellers' stations																		(1)		E		A		
ATM facilities — keypad																		(1)		A		C		
ATM facilities — display screen																		(1)		A		B	(2)	
ATM facilities — writing surface																				D		A		
ATM facilities — surrounding area																				C		A	(3)	

Barber Shops/Salons																			E		D		
Casino and Gaming																							Ch. 13
Circulation																							
High activity																			D		B		
Medium activity																			C		A		
Low activity																			B		A		
Baccarat																							
General																			D				
Game surface																		(1)	C				
Bingo																							
General																			D				
Game surface																		(1)	C		B		
Blackjack																							
General																			E		A		
Game surface																		(1)	C				
Craps																							
General																			D				
Game surface																		(1)	C				
Keno																							
General																			C				
Game surface																		(1)	C		A		
Poker																							
General																			E				
Game surface																		(1)	C				
Roulette																							
General																			D				
Game surface																		(1)	C				
Sport and race books																							
General																			D		A		
Game surface																		(1)	C		B		
Video and slots																			C		A		
Churches and Synagogues																							Ch. 14
(see Houses of Worship section)																							
Club and Lodge Rooms																							
Lounge and reading																			D				
Conference Rooms																							Ch. 11
Meeting																			D		B		
Critical seeing (refer to task)																							
Video conference																		(1)	E		D		

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Correctional Facilities																								Ch. 14
Cells																				D		B	(4)	
Day rooms																				D		B		
Corridors (see Service Spaces)																								
Court Rooms (see Reading)																								Ch. 14
Seating area (spectators)																				C		A		
Judge and clerk																		(1)		E		C	(5)	
Litigant's table																		(1)		E		C	(6)	
Podium																		(1)		E		C	(5)	
Witness chair																		(1)		D		B		
Dance Halls/Discotheques																								
Dance halls/discotheques																				A		A		
Ballrooms/social events																				B		A		
Depots, Terminals, Stations (see Transportation Terminals in Section V, Transportation)																								Ch. 23
Drafting/Graphic Arts																								
CAD stations only																				C		A		
Mixed CAD and paper task																				D		A		

Mylar																							
High contrast media																			E	C			
Low contrast media																			F	D			
Vellum/mylar																							
High contrast																			E	C			
Low contrast																			F	D			
Overlays																		(7)					
Light table																			C	A			
Prints																			E	C			
Educational Facilities																							Ch. 12
Corridors																				C			
Classrooms																							
General (see Reading)																							
Art rooms																			E	D			
Drafting (see Drafting/Graphic Arts)																							
Home economics (see Residences)																							
Science laboratories																			E	D			
Lecture halls																							
Audience (see Reading)																							
Demonstration																			F	E			
Music rooms (see Reading)																							
Shops (see Section II, Industrial)																							
Sight saving rooms																			F	E			
Study halls (see Reading)																							
Typing (see Reading)																							
Gymnasiums																							Ch. 20
Basketball																			F	D			
Other sports (See Section IV, Sports)																							
Social events																			B	A			
Outdoor sports facilities (see Section IV, Sports)																							Ch. 20
Cafeterias (see Food Service Facilities)																							Ch. 13
Dormitories (see Residences)																							Ch. 18
Elevators, Freight																			B				
Elevators, Passenger																			B	A			
Emergency Lighting																							Ch. 29
(see Section VI, Emergency, Safety, and Security)																							
Exhibition Halls																			C	A			

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Filing (see Offices and Reading)																								Ch. 11
Financial Facilities (see Banks)																								Ch. 11
Fire Stations (see Municipal Buildings - Police and Fire)																								Ch. 11
Food Service Facilities																								Ch. 13
(If equipment locations are known, see Residences-Kitchens)																								
Butcher shop																				E		C		
Cashier																				D		A		
Cleaning																				C				
Dining																				C		A		
Food displays																				E			(8)	
Food storage																								
Nonrefrigerated																				B		A		
Refrigerated																				B		A		
Galley																				E		C		
Kitchen																				E		A		
Pantry																				D		A		
Refuse area																				C				
Sculleries																				E		C		
Thaw room																				D		A		

Food Courts																	(9)		D		A	Ch. 13
Garages — Parking (see Outdoor Facilities section)																						Ch. 22
Gasoline Stations (see Retail Spaces - Outdoor: Service Station in Section III, Outdoor)																						Ch. 17
Graphic Design and Material																						
Color selection																			F		D	
Charting and mapping																			F		D	
Graphs																			E		C	
Keylining																			F		D	
Layout and artwork																			F		D	
Photographs, moderate detail																			E		C	
Health Care Facilities																						Ch. 16
Ambulance (local)																	(10)		E		C	
Anesthetizing																	(10)		E		C	
Autopsy and morgue																						
Autopsy, general																	(10)		E		C	
Autopsy table																	(10)		G		E	
Morgue, general																	(10)		D		B	
Cardiac function laboratory																	(10)		E		C	
Central sterile supply																						
Inspection, general																			E		C	
Inspection																			F		D	
Work areas, general																			D		B	
Processed storage																			D		B	
Corridors																						
Nursing areas, day																			C		A	
Nursing areas, night																			B		A	
Operating areas, delivery, recovery, and laboratory suite and service																			E		A	
Critical care areas																						
General																	(10)		B		A	
Examination																	(10)		E		C	
Surgical task lighting																	(10)					(11)
Handwashing																	(10)		F			
Cystoscopy room																	(10)		E		C	
Dental suite																						
General																	(10)		D		B	
Instrument tray																			E		C	
Oral cavity																			G		E	

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Recovery room																								
General																				C		A		
Dialysis unit, medical																				F		D		
Elevators																				B		A		
EKG and specimen room																								
General																		(10)		A		A		
Emergency outpatient																								
General																		(10)		E		C		
Endoscopy rooms																								
General																		(10)		E		C		
Peritoneoscopy																		(10)		D		B		
Culdoscopy																		(10)		D		B		
Eye surgery																		(10)		G		E		
Fracture room																								
General																		(10)		E		C		
Local																		(10)		F		D		
Inhalation therapy																		(10)		D		B		
Laboratories																								
Specimen collecting																		(10)		E		C		
Linens																								
Sorting soiled linen																				D		A		
Central (clean) linen room																				D		A		
Sewing room, general																		(10)		D		B		
Linen closet																				B		A		
Lobby																		(10)		B		A		
Locker rooms																				B		A		
Medical illustration studio																		(10)		F		D		
Medical records																		(10)		E		C		

Nurseries																										
General																			(10)		B		A			
Observation and treatment																			(10)		E		C			
Nursing stations																										
General																			(10)		D		B			
Desk																			(10)		E		C			
Corridors, day																					B		A			
Corridors, night																					A		A			
Medication station																			(10)		E		C			
Obstetric delivery suite																										
Labor rooms																										
General																					C		A			
Local																					E		C			
Birthing room																					F		D			
Delivery area																										
Scrub, general																			(10)		F		D			
General																					G					
Delivery table																			(10)		G		E			
Resuscitation																			(10)		G		E			
Postdelivery recovery area																					E		C			
Occupational therapy																										
Work areas, general																			(10)		D		B			
Work tables or benches																			(10)		E		C			
Patient rooms																										
General																			(10)		B		A			
Observation																			(10)		A		A			
Critical examination																					E		C			
Reading																			(10)		D		B			
Toilets																					D		A			
Physical therapy departments																										
Gymnasiums																			(10)		D		B			
Tank rooms																			(10)		D		B			
Treatment cubicles																			(10)		D		B			
Postanesthetic recovery room																										
General																					E		C			
Local																					G		E			
Pulmonary function laboratories																			(10)		E		C			
Radiological suite																										
General																			(10)		A		A			
Radiography/fluoroscopy room																			(10)		A		A			

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Radiation therapy section																								
General																		(10)		B		A		
Solarium																								
General																		(10)		C		A		
Local for reading																		(10)		D		B		
Stairways																				C		A		
Surgical suite																								
Operating room, general																		(10)		G		E		
Operating table																		(10)		G		E		
Scrub room																				F		D		
Instruments and sterile supply room																				D		B		
Clean-up room, instruments																				E		C		
Anesthesia storage																				C		A		
Substerilizing room																				C		A		
Surgical induction room																				E		C		
Surgical holding area																				E		C		
Toilets																				C		A		
Utility room																				D		A		
Waiting areas																								
General																		(10)		C		A		
Local for reading																		(10)		D		B		
Homes (see Residences)																								Ch. 18

Hospitality Facilities																								Ch. 13
(see Hotels, Food Service Facilities)																								
Hospitals (see Health Care Facilities)																								Ch. 16
Hotels																								Ch. 13
Guest rooms																								
General																			C					
Bathrooms, for grooming																			D		B			
Reading/desk work																			D					
Corridors, elevators, stairs																			B					
Front desk																			E					
Linen room																								
Sewing																			F					
General																			C					
Lobby																								
General lighting																			C					
Reading and work areas																			D					
Entrance canopy																			A					
Houses of Worship																								Ch. 14
Congregational areas																			C		A			
Leadership area																			D		D			
Highlighted items																					D			
Kitchens (see Food Service or Residences)																								Ch. 13, 18
Libraries (10)																								Ch. 12
Reading stacks																			D					
Bookstacks																								
Active																		(7)			D	(12)		
Inactive																		(7)			B	(12)		
Book repair or binding																		(7)	D		A			
Cataloguing																		(7)	D					
Card files (paper)																			D		B			
Carrels, individual study desks																			D					
Circulation desk																			D					
Map and print room (see Graphic Design and Material)																		(7)	D					
Audiovisual areas																			D					
Audio listening areas																			D					
Microform areas																			D					

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Locker Rooms																				C		A		Ch. 12, 20
Merchandising Spaces																								Ch. 17
Retail store areas																								
Alteration room																				F		D		
Fitting room																								
Dressing areas																				D		B		
Fitting areas																				F		D		
Locker rooms																				C		A		
Stock rooms, wrapping and packaging																				D		B		
Sales transaction area																				D				
Circulation																				C				
General merchandise display																				E		C		
Feature display																				F		D		
Show windows																				G		E		

Shopping mall areas																								
Main concourse																				D		B		
Food court (see Food Courts)																								
Entertainment areas																			(9)	E		C		
Kiosks																			(9)	F		D		
Directory/information desk																				F		D		
Service corridors																				D				
Restrooms																				C		A		
Child care																				D		B		
Vertical transportation																				D		A		
Entry/vestibule																				D				
Side arcade																			(9)	D		B		
Landscape																								
(see Retail Spaces — Outdoor in Section III, Outdoor)																								Ch. 17, 21
Meeting rooms/offices																				D		A		
Supermarkets																								
Meat — processed																				E		C		
Meat — fresh																				E		C		
Dairy cases																				E		C		
Produce																				E		C		
Floral displays																				E		C		
Gondolas																				E		C		
Shelving																				E		C		
Motels (see Hotels)																								Ch. 13
Municipal Buildings - Police and Fire																								Ch. 11
Police																								
Identification records																				F				
Jail cells and interrogation rooms																				D		A		
Fire Station																				D		B		
Museums																								Ch. 14
Flat displays on vertical surfaces																			(7)			D		
Exhibit cases																			(7)	D		B		
3-dimensional objects																			(7)	D		B		
Realistic environments																			(7)	D		B		
Lobbies, general gallery areas, corridors																			(7)	C		A		
Restoration or conservation shops and labs																			(7)	E		C		
Nursing Homes (see Health Care Facilities)																								Ch. 16

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Offices (13)																								Ch. 11
Filing (see Reading)																				E		C		
General and private offices (see Reading)																								
Open plan office																								
Intensive VDT use																		(14,15)		D		B		
Open plan office																								
Intermittent VDT use																		(14,15)		E		B		
Private office																				E		B		
Libraries (see Libraries)																								
Lobbies, lounges, and reception areas																				C		A		
Mail sorting																				E		A		
Copy rooms																				C		A		
Parking Facilities (see Section III, Outdoor)																								Ch. 22
Post Offices																								Ch. 11
Lobby																		(1)		C		A		
Customer service counter																		(1)		E		A		
Mail processing, general																		(1)		E				

Reading (16)																								Ch. 11, 12
Copied tasks																								
Microfiche reader																				A		A		
Photograph, moderate detail																				E				
Thermal copy, poor																				F				
Photocopies																				D				
Photocopies, 3rd generation																				E				
Data processing tasks																								
VDT screens																				A		A		
Impact printer																								
good ribbon																				D				
2nd carbon and greater																				E				
ink jet/laser printer																				D				
keyboard reading																				D				
Machine rooms																								
Active operations																				D				
Tape storage																				D		B		
Machine area																				C				
Equipment service																				E		C		
Thermal print																				E				
Handwritten tasks																								
#2 pencil and softer leads																				D				
#3 pencil																				E				
#4 pencil and harder leads																				F				
Ball-point pen																				D				
Felt-tip pen																				D				
Handwritten carbon copy																				E				
White boards																						B		
Chalk boards																						E		
Printed tasks																								
6-point type																				E				
8- and 10-point type																				D				
Glossy magazines																				D				
Maps																				E				
Newsprint																				D				
Typed originals																				D				
Telephone books																				E				
Residences																								
General lighting																				B				
Conversation, relaxation, and entertainment																				A		A		
Passage areas (circulation)																				A		A		

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Specific visual tasks																								
Dining																				B				
Grooming																								
Makeup and shaving																				D		B		
Dressing evaluation (mirror)																				D		B		
Handcrafts and hobbies																								
Ordinary tasks (e.g,. crafts)																				D		B		
Difficult tasks (e.g., sewing)																				E		C		
Critical tasks (e.g., workbench)																				F		D		
Easel hobbies																						D		
Ironing																				D				
Kitchen counter																								
Critical seeing (e.g., cutting)																				E		C		
General																				D		B		
Kitchen range																								
Difficult seeing (e.g., cooking)																				E		C		
Kitchen sink																								
Difficult seeing																				E		C		
Noncritical (clean up)																				D		B		
Laundry																				D		A		
Music study (piano, organ)																				D		B		
Reading																								
In a chair (casual)																				D		B		
In a chair (serious)																				E		C		
In bed (casual)																				D		B		

At desk																							
Casual																			D		A		
Serious																			E		C		
Sewing (see Residences: Handcrafts and Hobbies)																							
Table games																			D		B		
Restaurants (see Food Service Facilities)																							Ch. 13
Retail Spaces (see Merchandising Spaces)																							Ch. 17
Safety (see Section VI, Emergency, Safety, and Security)																							Ch. 29
Schools (see Educational Facilities)																							Ch. 12
Service Spaces																							Ch. 11, 19
(see Service Spaces in Section II, Industrial)																							
Stairways and corridors																			B				
Elevators (see Elevators)																							
Toilets and washrooms																			B		A		
Service Stations																							Ch. 17, 19
Service bays (see Section II, Industrial)																							
Sales room (see Merchandise Spaces)																							
Show Windows (see Merchandising Spaces)																							Ch. 17
Stairways (see Service Spaces)																							
Storage Rooms (see Section II, Industrial)																							Ch. 19
Stores (see Merchandising Spaces)																							Ch. 17
Theatre and Motion Picture Houses																							Ch. 15
Toilets and Washrooms																			B		A		Ch. 11
Transportation Terminals																							Ch. 23
(See Section V, Transportation)																							
Winery (see Food Service Facilities)																							Ch. 13, 17
Wine cellar																		(7)	A		A		

I. INTERIOR LOCATIONS AND TASKS

Very Important | Important | Somewhat important | Blank = Not important or not applicable

Design Issues	Appearance of Space and Luminaires	Color Appearance (and Color Contrast)	Daylighting Integration and Control	Direct Glare	Flicker (and Strobe)	Light Distribution on Surfaces	Light Distribution on Task Plane (Uniformity)	Luminances of Room Surfaces	Modeling of Faces or Objects	Point(s) of Interest	Reflected Glare	Shadows	Source/Task/Eye Geometry	Sparkle/Desirable Reflected Highlights	Surface Characteristics	System Control and Flexibility	Special Considerations	Notes on Special Considerations	Illuminance (Horizontal)	Category or Value (lux)	Illuminance (Vertical)	Category or Value (lux)	Notes on Illuminance - see end of section	Reference Chapter(s)

Notes:

(1) Consider lighting for video cameras.
(2) Maximum illuminance.
(3) At ground level.
(4) The minimum illuminance in a prison cell is 200 lx (20 fc); 300 lx (30 fc) should be provided for reading at the head of the bed.
(5) Adjustable task lighting recommended.
(6) Task lighting recommended, possibly located in ceiling.
(7) Degradation factors important to consider.
(8) In the display plane.
(9) Special lighting for signage or banners may be required.
(10) See Chapter for special considerations.
(11) Refer to Chapter 16, Health Care Facility Lighting, for specific recommendations for surgical task lighting.
(12) At 30" above floor.
(13) Design issues, including illuminances, can be listed for room or space. Refer to specific task under "Reading" or "Graphic Design and Materials", for example.
(14) Lighting should be flexible to accommodate changes in office furniture.
(15) Accoustical aspects of luminaires need to be considered.
(16) Design issues and illuminances listed for the task. See "Offices" or "Educational Facilities", for example, for additional considerations for the room.