Figure 54. Currently recommended illuminance categories and illuminance values for lighting design—targeted maintained levels.

The following table is a consolidated listing of the IESNA's current illuminance recommendations. This listing is intended to guide the designer in selecting an appropriate illuminance.

Guidance is provided in two forms: (1), in Parts I, II and III as an Illuminance Category, representing a range of illuminances; and (2), in Parts IV, V and VI as an Illuminance Value. Illuminance categories are represented by letter designations A through I. Illuminance Values are given in lux with equivalents in footcandles and as such are intended as target values with deviations expected. These target values also represent maintained values.

This table has been divided into six parts for ease of use. Part I lists both Illuminance Categories and Illuminance Values for generic types of interior activities and normally is to be used when Illuminance Categories for a specific Area/Activity cannot be found in Parts II and III. Parts IV, V and VI provide target maintained Illuminance Values for outdoor facilities, sports and recreational areas, and transportation vehicles where special considerations apply as discussed.

In all cases the recommendations in this table are based on the assumption that the lighting will be properly designed to take into account the visual characteristics of the task.

Illuminance Categories	and Illumina	ince Va	lues for Generic	Types of Activities in I	nteriors		
Type of Activity	Illuminance		Ranges of II	Reference Work-Plane			
	Category		Lux	Footcandles	Neierence Mork-Liam		
Public spaces with dark surroundings	Α		20-30-50	2-3-5			
Simple orientation for short temporary visits	В	50-75-100		5-7.5-10	General lighting throughout spaces		
Working spaces where visual tasks are only occasionally performed	С	100-150-200		10-15-20			
Performance of visual tasks of high con- trast or large size	D	2	00-300-500	20-30-50			
Performance of visual tasks of medium contrast or small size	E	500-750-1000		50-75-100	Illuminance on task		
Performance of visual tasks of low con- trast or very small size	F	100	0-1500-2000	100-150-200	and the same of th		
Performance of visual tasks of low con- trast and very small size over a pro- longed period	G	200	0-3000-5000	200-300-500	Illuminance on task,		
Performance of very prolonged and exacting visual task	Н	5000-7500-10000		500-750-1000	<ul> <li>obtained by a com- bination of general</li> </ul>		
Performance of very special visual tasks of extremely low contrast and small size	1	10000-15000-20000		1000-1500-2000	and local (supple- mentary lighting)		
II. Commercial,	Institutional,	Reside	ential and Public	Assembly Interiors			
ea/Activity Illumin Categ			Area/Activity	***************************************	Illuminance Category		
Accounting (see Reading)			Churches and	synagogues(see fi			
Air terminals (see Transportation termin	nais)		Club and lodge		3		
Armories C <sup>1</sup>			Lounge and	reading	D		
Art galleries (see Museums)			Conference roo	ms			
Auditoriums         C¹           Assembly         C¹           Social activity         B			Conferring				
Banks (also see Reading) Lobby			Court rooms Seating area Court activity	area	C		
General	D	,		d discotheques			
Barber shops and beauty parlors				als and stations rtation terminals)			

For footnotes, see end of table.

Figure 54 (continued)

V. Continued								
Area/Activity	Lux	Footcandles	Area/Activity	Lux	Footcandles			
Professional	2000	200	Golf					
Amateur	1000	100	Tee	50	5			
Seats during bout	20	2	Tee	10-30				
Seats before and after bout	50	5	Green	50	5			
		-	Driving range		•			
Casting-bait, dry-fly, wet-fly	400	40	At 180 meters [200 yards] 14	50	5			
Pier or dock	100	10	Over tee area	100	10			
Target (at 24 meters [80 feet]			Miniature	100	10			
for bait casting and 15			Practice putting green	100	10			
meters [50 feet] for wet or		_	, , , ,	100	10			
dry-fly casting)14	50	5	Gymnaslums (refer to individual					
Combination (outdoor)			sports listed)					
Baseball/football			General exercising and					
Infield	200	20	recreation	300	30			
Outfield and football	150	15	Handball					
Industrial softball/football			Tournament	500	50			
Infield	200	20	Club	300	30			
Outfield and football	150	15		300	30			
Industrial softball/6-man foot-		10	Indoor—four-wall or squash					
ball			Outdoor—two-court	200	20			
Infield	200	20	Recreational					
	150		Indoor—four-wall or squash	200	20			
Outfield and football	150	15	Outdoor—two-court	100	10			
Croquet or Roque			Hockey, field	200	20			
Tournament	100	10	1					
Recreational	50	5	Hockey, ice (indoor)					
Curling			College or professional	1000	100			
			Amateur	500	50			
Tournament			Recreational	200	20			
Tees	500	50	Hockey, Ice (outdoor)					
Rink	300	30	College or professional	500	50			
Recreational								
Tees	200	20	Amateur	200	20			
Rink	100	10	Recreational	100	10			
Fencina			Horse shoes					
Exhibitions	500	50	Tournament	100	10			
Recreational	300	30	Recreational	50	5			
	000	00	Horse shows	200	20			
Football			1	200	20			
Distance from nearest side-			Jai-alai					
line to the farthest row			Professional	1000	100			
of spectators			Amateur	700	70			
Class I Over 30 meters [100			,	000				
feet]	1000	100	Lacrosse	200	20			
Class II 15 to 30 meters [50			Playgrounds	50	5			
to 100 feet]	500	50	045		_			
Class III 9 to 15 meters [30			Quoits	50	5			
to 50 feet	300	30	Racing (outdoor)					
Class IV Under 9 meters	000	00	Auto	200	20			
[30 feet]	200	20	Bicycle					
Class V No fixed seating	200	20	Tournament	300	30			
	400	40	Competitive	200	20			
facilities	100	10	Recreational	100	10			
is generally conceded that the dis			Dog	300	30			
pectators and the play is the first cor			Dragstrip	500	50			
nining the class and lighting requi			Staging area	100	10			
he potential seating capacity of the				100	IV.			
e considered and the following r			Acceleration, 400 meters	000	00			
Class I for over 30,000 spectators;C			[1320 feet]	200	20			
30,000; Class III for 5000 to 10,000	0; andC	lass IV for	Deceleration, first 200					
inder 5000 spectators.			meters [660 feet]	150	15			
ootball, Canadlan—rugby			Deceleration, second 200					
			meters [660 feet]	100	10			
(see Football)			Shutdown, 250 meters					
ootball, six-man			[820 feet]	50	5			
Ulah sahaal ay aallaas	200	20	Horse	200	20			
High school or college	200	20	110100	200	20			

For footnotes, see end of table.