



GREENLEE/BEHA LIGHT METER TABLE OF ILLUMINATION LEVELS

IM-1073

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Suggested Footcandle Readings in Various Activities

LISTED IN ALPHABETICAL ORDER

Area / Activity Footcandles

Art Galleries:

General	30
On painting (supplementary)	30
On statuary and other displays	100

Auditoriums:

Assembly	15
Exhibition	30

Note: One footcandle is approximately equal to ten lux.

Area / Activity Footcandles

Banks:

Lobby	
General	50
Writing areas	70
Tellers' Station, Posting and Keypunch	150

Classrooms:

Science laboratory	50-100
Lecture room (Demonstration)	100-200

Conference Rooms

20-50

Drafting:

High contrast	50-100
Low contrast	100-200

Area / Activity Footcandles**Depots, Terminals and Stations:**

Waiting rooms, rest and smoking rooms	30
Ticket offices	100
Baggage checking	50
Platforms and storage	20
Toilets and washrooms	30

Home - General Lighting:

Relaxation, entertainment	5-10
Passage areas	5-10
Kitchen counter/critical	50-100
Kitchen counter/non-critical	20-50
Kitchen range/difficult seeing	50-100
Kitchen range/non-critical	20-50
Kitchen sink/difficult seeing	50-100
Kitchen sink/non-critical	20-50

Area / Activity Footcandles**Home - Reading:**

In a chair/books, newspaper	20-50
In a chair/handwriting, reproductions	50-100
In bed/normal	20-50
In bed/prolonged, critical	50-100
Desk/casual tasks	20-50
Desk/study	50-100

Hotels:

Bathroom	20-50
Bedroom (reading)	20-50
Hallways, elevators, stairs	10-20
Front desk	50-100
Linen room (general)	10-20
Lobby (general lighting)	10-20

Area / Activity Footcandles**Industrial:**

Assembly	
Simple	20-50
Moderate	50-100
Difficult	100-200
Very difficult	200-300+
Inspection	
Simple	20-50
Moderate	50-100
Difficult	100-200
Very difficult	200-300+
Storage or Warehouse	
Inactive	5-10
Active	20-50

Area / Activity Footcandles**Office - Reading:**

Ditto copy	50-100
Micro-fiche reader	5-10
Mimeograph	20-50
Photographs	50-100
Thermal copy, poor copy	100-200
Thermal print	50-100

Outdoor Facilities:**Buildings and Monuments/floodlighted****Bright Surroundings**

Light surfaces	15
Medium light surfaces	20
Medium dark surfaces	30
Dark surfaces	50

Area / Activity Footcandles

Dark Surroundings	
Light surfaces	5
Medium light surfaces	10
Medium dark surfaces	15
Dark surfaces	20

Service Station:

Bright Surroundings	
Approach	3
Driveway	5
Pump island area	30
Building faces (not glass)	30
Service areas	7
Landscape highlights	5

Area / Activity Footcandles

Dark Surroundings	
Approach	1.5
Driveway	1.5
Pump island area	20
Building faces (exclusive of glass)	10
Service areas	3
Landscape highlights	2

Sports and Recreation Areas:

Combination (outdoor)	
Baseball/football	
Infield	20
Outfield and football	5

Area / Activity Footcandles

Industrial Softball/Football	
Infield	20
Outfield and football	15
Industrial Softball/6-Man Football	
Infield	20
Outfield and football	15

Playgrounds:

Tennis (indoor)	
Tournament	100
Club	75
Recreation	50
Tennis (outdoor)	
Tournament	30
Club	20
Recreation	10

Area / Activity Footcandles**Transportation Vehicles:**

Road Conveyances	
Step Wall and Adjacent Ground	
Area	10
Fare Box	15
General Lighting (For Seat	
Selection and Movement)	
City and inter-city buses	
at city stop	10
Inter-city bus at country stop	2
School bus while moving	15

The forementioned figures are based upon reports from the illuminating Engineering Society of North America as described in the 1981 edition of the I.E.S. Handbook.



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