

Outdoor Categories and Footcandle Ranges[†]

General

Airports

Hangar Aprons	1
Terminal Apron-Parking	0.5
Terminal Apron-Loading	2

Building Construction

General	10
Excavation	2

Building/Monuments

	Dark/Light
Light Surfaces	5/15
Medium Surfaces	10/20
Medium-Dark Surfaces	15/30
Dark Surfaces	20/50

Bulletin Boards

Light Surfaces	20/50
Dark Surfaces	50/100
Loading Platforms	20

Open Parking Facilities

General Parking & Pedestrian Area	
High Activity	0.9
Medium Activity	0.6
Low Activity	0.2
Vehicle Use Area (Only)	
High Activity	2
Medium Activity	1
Low Activity	0.5

Piers

Freight/Passenger	20
Active Shipping Area Surrounds	5

Railroad Yards

Switch Points	2
Hump Area	20. Vert
Body of Yard	1

Service Station (at grade)

	Dark/Light
Approach	1.5/3
Driveway	1.5/5
Pump Island Area	20/30
Service Areas	3/7

Shipyards

General	5
Ways	10
Fabrication	30

Storage Yards

Active	20
Inactive	1

Sports

Archery (outdoor)

Target, Tournament	Vert
@ 30.4m (100')	30
@ 91.9m (300')	50
Shooting Line, Tournament	10
Target & Shooting Line, Rec	10

Badminton

Recreational	10
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Baseball

	Infield/Outfield
Major League	150/100
AA & AAA League	70/50
A & B League	50/30
C & D League	30/20
Semi-Pro & Municipal League	30/20
Recreational	30/20
Junior League(Class I & II)	30/20
Combination w/ Football	30/20
Seating During Game	2
Seating Before & After Game	5

Basketball

College Intramural & HS	30
Recreational	30

Bathing Beaches

On Land	1
150' From Shore	3 vert

Football (distance from nearest sideline to farthest row of spectators)

Class I (over 100')	100
Class II (50 - 100')	50
Class III (30 - 50')	30
Class IV (under 30')	20

Golf

Tee	5
Fairway	1 - 3 vert
Green	5
Driving Range	
At 200 yd	5 vert
Over Tee Area	10
Miniature	10
Practice Putting Green	10

Handball

Club, Outdoor 2 Court	30
Recreational Outdoor 2 Court	20

Hockey, Ice (outdoor)

College or Professional	50
Amateur	30
Recreational	20

Horse Shows

Lacrosse

College	50
Amateur	30

Playgrounds

Racing

Auto (Class II)	20
Bicycle	
Tournament	30
Competitive	20
Recreational	10
Dog	30
Dragstrip (Class II)	
Staging Area	10
Acceleration (1st 1300')	20
Deceleration (1st 600')	15
Deceleration (2nd 600')	10
Shutdown (800')	5
Horse	20
Motorcycle or Midget	20

Rifle Range (50 yd)

Target	50 vert
Firing Point	10
Range	0

Rodeo Arena

Professional	50
Amateur	30
Recreational	10
Pens & Chutes	5

Shuffleboard (outdoor)

Tournament	10
Recreational	5

Skating, Ice (outdoor)

Ice Rink	20
Lagoon, Pond, Flooded Areas	1

Skeet & Trap

Skeet Targets at 60'	30 vert
Trap Targets at 100'	40 vert
Firing points	10

Ski Slope

Horizontal	5
Vertical	2

Softball

Prof & Championship Infield	150
Prof & Championship Outfield	100
Semi-Pro Infield	100
Semi-Pro Outfield	70
Industrial League Infield	50
Industrial league Outfield	30
Recreational (6 pole) Infield	30
Recreational Outfield	20

Swimming (outdoor)

Exhibitions	25
Recreational	15

Tennis (outdoor)

Tournament	15
Club	50
Recreational	30

Volleyball

Tournaments	30
Recreational	20

The above lighting levels represent the minimum average maintained footcandles for a particular task. Operation depreciates the light output of any luminaire therefore, the lighting installation should be designed, and luminaire selected on the basis of minimum maintained light level rather than initial values.

†Lighting Handbook, 2000, Application Volume and RP-6-88. Reprinted by permission.