

# Sports Lighting Footcandle Standards

## Class I Footcandle Standards

### Recommended Horizontal illuminance:

**Infield:** 150 fc. CV = 0.07 or less. (Emax/Emin = 1.2:1 or less)

**Outfield:** 100 fc. CV = 0.13 or less. (Emax/Emin = 1.7:1 or less)

Class I of competitive play is any competition that is played before a group of 5,000 or more spectators. <sup>1</sup>

## Class II Footcandle Standards

### Recommended Horizontal illuminance:

**Infield:** 100 fc. CV = 0.10 or less. (Emax/Emin = 1.5:1 or less)

**Outfield:** 70 fc. CV = 0.17 or less. (Emax/Emin = 2:1 or less)

Class II of competitive play is any competition that is played before a group of up to 5,000 spectators. <sup>1</sup>

## Class III Footcandle Standards

### Recommended Horizontal illuminance:

**Infield:** 50 fc. CV = 0.17 or less. (Emax/Emin = 2.0:1 or less)

**Outfield:** 30 fc. CV = 0.21 or less. (Emax/Emin = 2.5:1 or less)

Class III of competitive play is any competition that is played before a group of up to 2,000 spectators <sup>1</sup>

## Class IV Footcandle Standards

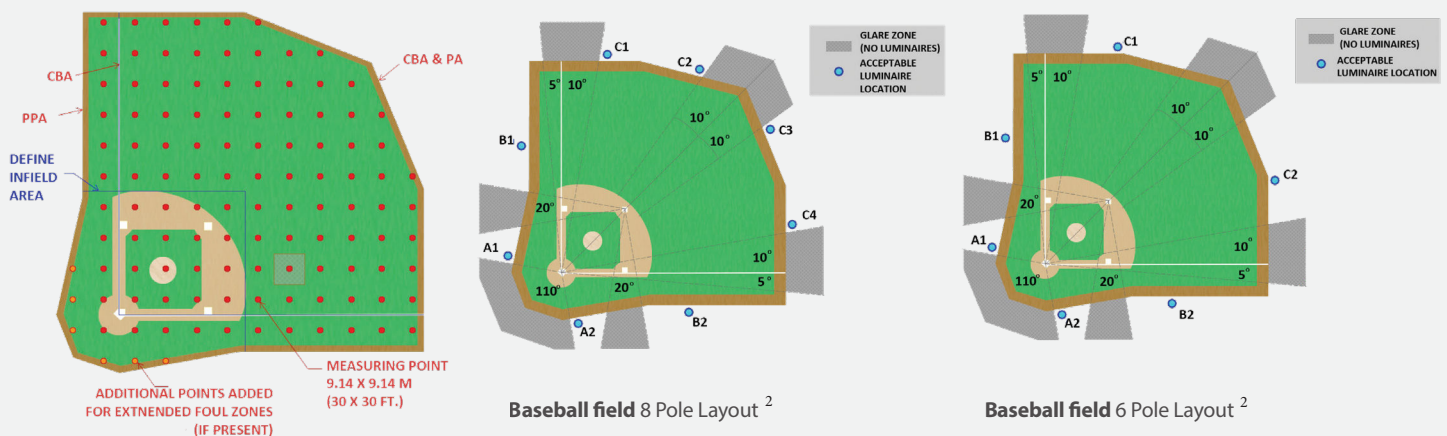
### Recommended Horizontal illuminance:

**Infield:** 30 fc. CV = 0.21 or less. (Emax/Emin = 2.5:1 or less)

**Outfield:** 20 fc. CV = 0.25 or less. (Emax/Emin = 3:1 or less)

Class IV of competitive or recreational play only, with limited or no provision for spectators. <sup>1</sup>

Baseball Calculation and Field Measurement Grid Layout <sup>1</sup>



1. IES RP-6-15, page 34; 2. page 33