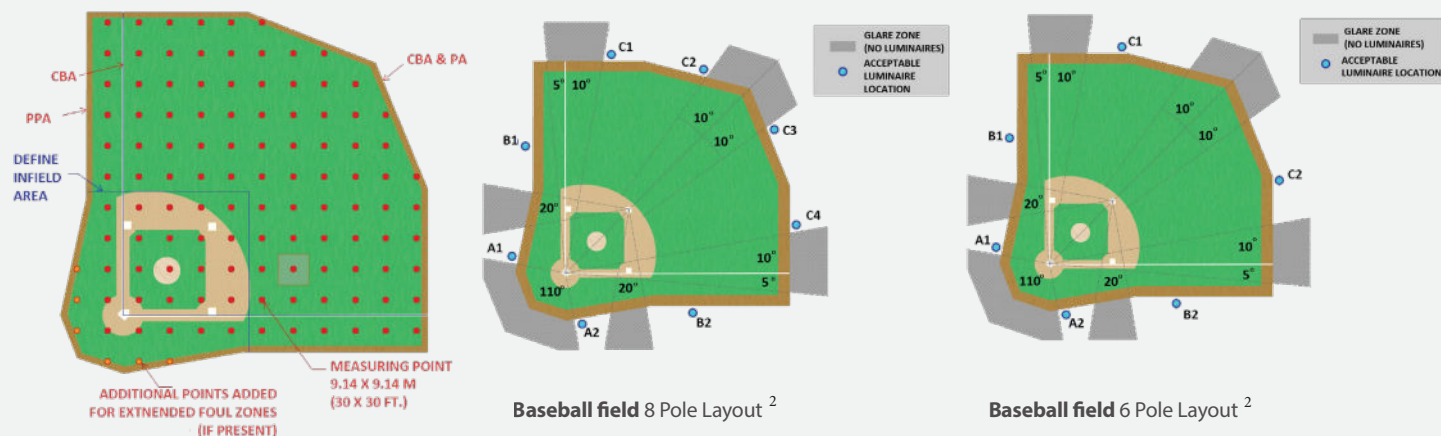


Sports Lighting Footcandle Standards

<p>Class I Footcandle Standards</p> <p>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)</p> <p>Class I of competitive play is any competition that is played before a group of 5,000 or more spectators. ¹</p>
<p>Class II Footcandle Standards</p> <p>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)</p> <p>Class II of competitive play is any competition that is played before a group of up to 5,000 spectators. ¹</p>
<p>Class III Footcandle Standards</p> <p>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)</p> <p>Class III of competitive play is any competition that is played before a group of up to 2,000 spectators ¹</p>
<p>Class IV Footcandle Standards</p> <p>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)</p> <p>Class IV of competitive or recreational play only, with limited or no provision for spectators. ¹</p>

Baseball Calculation and Field Measurement Grid Layout ¹



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