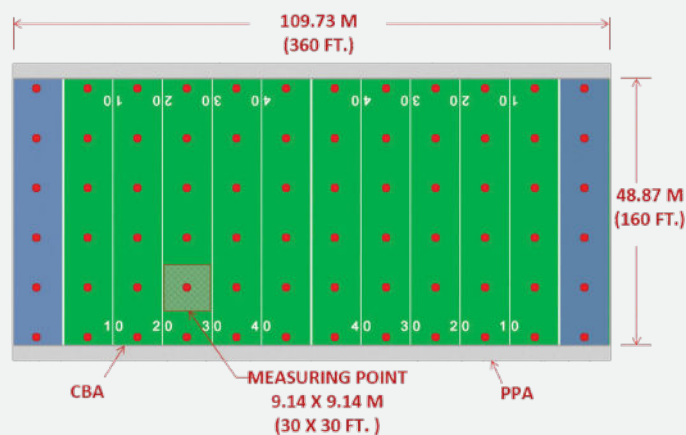


Sports Lighting Footcandle Standards

<p>Class I Footcandle Standards</p> <p>Recommended illuminance level: Horizontal illuminance: 100 fc. CV = 0.13 or less. (Emax/Emin = 1.7:1 or less) Illuminance readings should be taken at a 1 m (3') elevation on a 9m x 9m (30' x 30') grid.¹</p>
<p>Class II Footcandle Standards</p> <p>Recommended illuminance level: Horizontal illuminance: 50 fc. CV = 0.17 or less. (Emax/Emin = 2.0:1 or less) Illuminance readings should be taken at a 1 m (3') elevation on a 9m x 9m (30' x 30') grid.¹</p>
<p>Class III Footcandle Standards</p> <p>Recommended illuminance level: Horizontal illuminance: 30 fc. CV = 0.21 or less. (Emax/Emin = 2.5:1 or less) Illuminance readings should be taken at a 1 m (3') elevation on a 9m x 9m (30' x 30') grid.¹</p>
<p>Class IV Footcandle Standards</p> <p>Recommended illuminance level: Horizontal illuminance: 20 fc. CV = 0.25 or less. (Emax/Emin = 3:1 or less) Illuminance readings should be taken at a 1 m (3') elevation on a 9m x 9m (30' x 30') grid.¹</p>



Football field Typical Pole Layout¹



Football Calculation Grid Layout¹

1. IES RP-6-15, page 38