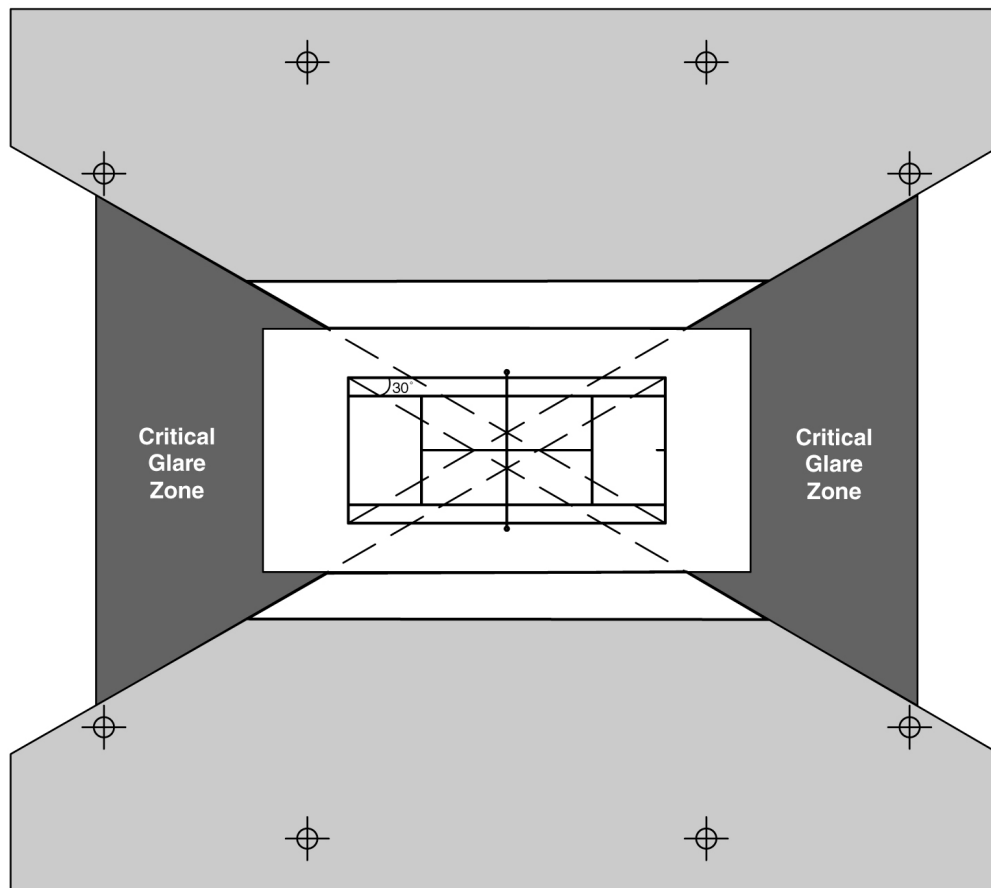


Best Lighting Practices: Tennis National Broadcast

Summary: Following these recommended best practices will help ensure quality of light needed for safety of participants, enjoyment of spectators, and quality national television broadcasts, as required.

| | |
|--------------------------|---|
| Horizontal light levels: | 100 footcandles |
| Horizontal uniformity: | 1.7:1 |
| Vertical light levels: | 100 footcandles to high end camera main 60 footcandles to low net camera |
| Vertical uniformity: | 1.7:1 to high end camera main |
| Grid spacing: | 10 ft x 10 ft |

Recommended pole placement:



1. Typical court size is 60 ft x 120 ft. Primary playing area is 48 ft x 98 ft. Special consideration may be needed for lighting spectator areas depending on broadcast requirements.
2. Gray shaded areas indicate recommended pole locations. Location and quantity of poles and lighting sources shall depend on stadium design, size, and pole setback requirements.
3. Angle should be a minimum of 25 degrees for sharp cutoff-type luminaires and a minimum of 30 degrees for floodlights.
4. For new facilities or upgrades, it is recommended to consult a lighting professional for optimal pole placement.

| | Light Levels | | | Uniformity Ratios | | |
|----------------------------|------------------------|---|---|-------------------|---------------------------|-------------------------------|
| | Horizontal Footcandles | Vertical Footcandles (to center main side camera) | Verticle Footcandles (to end line camera) | Horizontal | Vertical (to main camera) | Vertical (to end line camera) |
| NCAA Standard Collegiate | 75 | - | - | 1.7:1 | - | - |
| NCAA Regional Broadcast | 75 | 75 | 45 | 1.7:1 | - | - |
| NCAA National Broadcast | 100 | 100 | 60 | 1.7:1 | - | - |
| NCAA National Championship | 125 | 125 | 75 | 1.5:1 | - | - |
| high School Class I | - | - | - | - | 125 | - |
| high School Class II | - | - | - | - | 75 | - |
| high School Class III | - | - | - | - | 60 | - |
| high School Class IV | - | - | - | - | 50 | - |