



## The “Angular Spectrum Evaluation Tool”

The “Angular Spectrum Evaluation Tool” is a device that gives the viewer a color-coded map of light usage. This is very important because the quality of light that comes from around and above us is not the same. There are two configurations of the ASET—desktop and handheld.

### Understanding

- **RED is Direct Light** (drawn from 45-75 degrees). Red will be the most intense. It comes directly from the source.
- **GREEN is Reflected Light** (drawn from 0-45 degrees). Green has less intensity. It is light reflected from walls, the environment, etc.
- **BLUE represents light Obscured** by the observer (your head blocks this light from reaching the diamond). These areas will light up when the diamond is tilted and other areas will become shaded.
- **WHITE** (if the diamond is backlit, as above) or **BLACK** (if not) is **Leakage**. These areas show where pavilion facets are acting as windows rather than mirrors. You see white because those windows allow you to look through the diamond and see the light underneath. White should be minimized.
- In general **RED** should be maximized. Some **BLUE** is necessary. Too much **Greenish** undesirable. The distribution of the three colors is important. **WHITE** should be minimized.

High Performance

Above Average

Common

Poor

AGS ASET Scope® Images

