§ 25.1391 Minimum intensities in the horizontal plane of forward and rear position lights.

Each position light intensity must equal or exceed the applicable values in the following table:

<table>
<thead>
<tr>
<th>Overlaps</th>
<th>Maximum intensity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Area A (candles)</td>
</tr>
<tr>
<td>Green in dihedral angle L</td>
<td>10</td>
</tr>
<tr>
<td>Green in dihedral angle A</td>
<td>5</td>
</tr>
<tr>
<td>Red in dihedral angle A</td>
<td>5</td>
</tr>
<tr>
<td>Red in dihedral angle R</td>
<td>5</td>
</tr>
<tr>
<td>Rear white in dihedral angle L</td>
<td>5</td>
</tr>
<tr>
<td>Rear white in dihedral angle R</td>
<td>5</td>
</tr>
</tbody>
</table>

Where—

(a) Area A includes all directions in the adjacent dihedral angle that pass through the light source and intersect the common boundary plane at more than 10 degrees but less than 20 degrees; and

(b) Area B includes all directions in the adjacent dihedral angle that pass through the light source and intersect the common boundary plane at more than 20 degrees.

§ 25.1397 Color specifications.

Each position light color must have the applicable International Commission on Illumination chromaticity coordinates as follows:

(a) **Aviation red**—

\[
\begin{align*}
\ y &= 0.400 - 0.320y, \\
\ x &= 0.400 - 0.320y, \\
\ z &= 0.400 - 0.320y, \\
\end{align*}
\]

(b) **Aviation green**—

\[
\begin{align*}
\ y &= 0.400 - 0.320y, \\
\ x &= 0.400 - 0.320y, \\
\ z &= 0.400 - 0.320y, \\
\end{align*}
\]

(c) **Aviation white**—

\[
\begin{align*}
\ y &= 0.400 - 0.320y, \\
\ x &= 0.400 - 0.320y, \\
\ z &= 0.400 - 0.320y, \\
\end{align*}
\]

Where \( y_k \) is the coordinate of the Planckian radiator for the value of \( y \) considered.


§ 25.1399 Riding light.

(a) Each riding (anchor) light required for a seaplane or amphibian must be installed so that it can—

(1) Show a white light for at least 2 nautical miles at night under clear atmospheric conditions; and