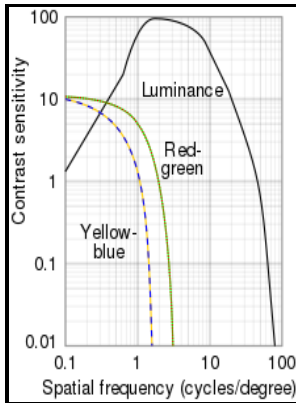


# Human peripheral acuity at low luminances

University of Toronto, Dept. of Computer Science - Luminance vs. Illuminance



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Notes: Bibliography: p. 22-23.

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**Visual Acuity by Michael Kalloniatis**

**and Charles Luu**

When dark-adapted cones are suddenly exposed to extremely bright illumination they may transiently saturate, but they rapidly return to normal operation. This angle is also used to specify visual acuity see Figure 5.

**Visual Acuity by Michael Kalloniatis and Charles Luu**

Robson 1983 What does the eye see best? Ophthalmic and Physiological Optics 6:279-281.

**Visual Acuity and Sensitivity**

Furthermore, the pilot must be able to predict his ground track over the terrain, specifically over those parts of the terrain that his present or planned control settings will take the aircraft. There is some relevant receptor physiology.

**Luminance vs. Illuminance**

So, when applying this psychophysics threshold rule to the TAC, which in essence is a 2 alternative forced choice task 2AFC, a 75% correct threshold should be used. Near vision testing is indicated for patients that come to the clinic for refractive surgery evaluation, or routine examination involving refraction, particularly for individuals aged 40 years and above, and patients with symptoms at near such as blurred vision or discomfort. Prog Retinal Res 1991; 10: 89—120.

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