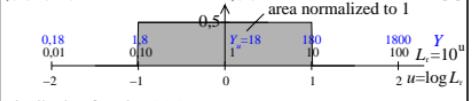


Density and distribution function for luminance and lightness

Density function $\phi(u)$

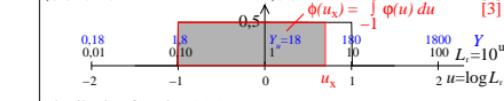
$$\phi(u)=(1/2) \cdot 1$$



Density and distribution function for luminance and lightness

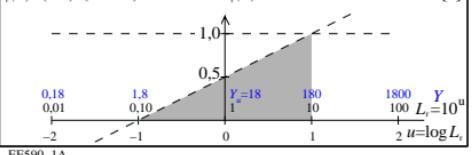
Density function $\phi(u)$

$$\phi(u)=(1/2) \cdot 1$$



Distribution function $\phi(u)$

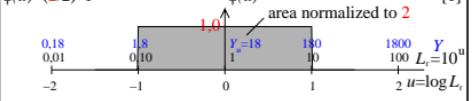
$$\phi(u)=(1/2) \cdot (1+u)$$



Density and distribution function for luminance and lightness

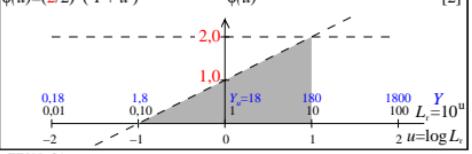
Density function $\phi(u)$

$$\phi(u)=(2/2) \cdot 1$$



Distribution function $\phi(u)$

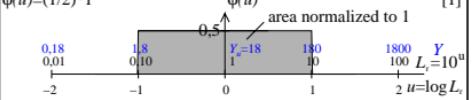
$$\phi(u)=(2/2) \cdot (1+u)$$



Density and distribution function for luminance and lightness

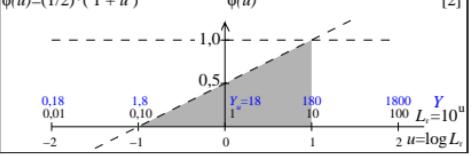
Density function $\phi(u)$ compare with CIE luminance contrast $L/\Delta L$

$$\phi(u)=(1/2) \cdot 1$$



Distribution function $\phi(u)$ corresponds to the CIE lightness L^*

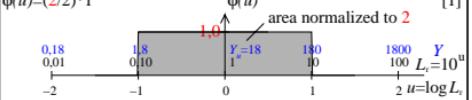
$$\phi(u)=(1/2) \cdot (1+u)$$



Density and distribution function for luminance and lightness

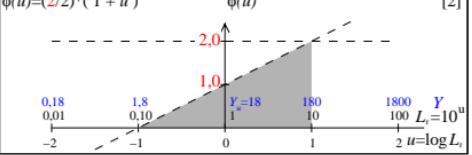
Density function $\phi(u)$ compare with CIE luminance contrast $L/\Delta L$

$$\phi(u)=(2/2) \cdot 1$$



Distribution function $\phi(u)$ corresponds to the CIE lightness L^*

$$\phi(u)=(2/2) \cdot (1+u)$$

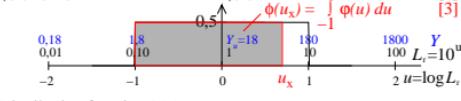


EE590-7N

Density and distribution function for luminance and lightness

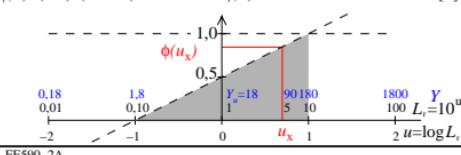
Density function $\phi(u)$

$$\phi(u)=(1/2) \cdot 1$$



Distribution function $\phi(u)$

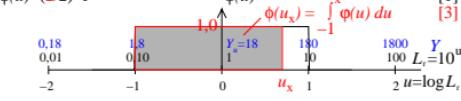
$$\phi(u)=(1/2) \cdot (1+u)$$



Density and distribution function for luminance and lightness

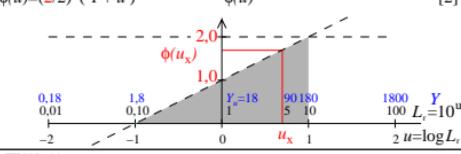
Density function $\phi(u)$

$$\phi(u)=(2/2) \cdot 1$$



Distribution function $\phi(u)$

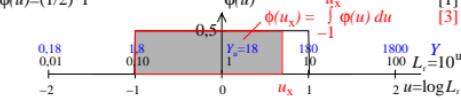
$$\phi(u)=(2/2) \cdot (1+u)$$



Density and distribution function for luminance and lightness

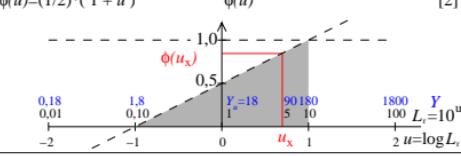
Density function $\phi(u)$ compare with CIE luminance contrast $L/\Delta L$

$$\phi(u)=(1/2) \cdot 1$$



Distribution function $\phi(u)$ corresponds to the CIE lightness L^*

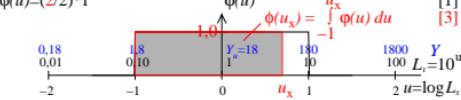
$$\phi(u)=(1/2) \cdot (1+u)$$



Density and distribution function for luminance and lightness

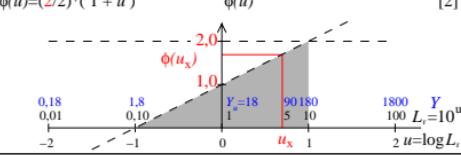
Density function $\phi(u)$ compare with CIE luminance contrast $L/\Delta L$

$$\phi(u)=(2/2) \cdot 1$$



Distribution function $\phi(u)$ corresponds to the CIE lightness L^*

$$\phi(u)=(2/2) \cdot (1+u)$$



EE590-8A