

$\log [L_s]$ central-field luminance threshold

2

$$L^* = V (L_s / s)^n [1 - s + s L / L_s]^n - 1 \quad [1]$$

$$n = -0,25 \quad [2]$$

$$V = 1/(0,036 n L_u^{-0,30}) \quad [3]$$

$$L_s = 0,025 L_u^{0,705} \quad [4]$$

$$s = 1/[1 + (n V L_s^n)^{1/(1-n)}] \quad [5]$$

$$L_u = 0,1; 1; 10; 100; 1000 \text{ cd/m}^2 \quad [6]$$

1

0

-1

-2

-3

$\log [L_s]$ central-field luminance threshold
surround-field luminance

L_u /[cd/m²]

-1.59

-0.89

-0.18

0.51

1000

100

10

-2.3

0,1

central-field luminance L /[cd/m²]

0,001

0,01

0,1

1

10

100

1000

10000

$\log L$ /[cd/m²]