

$\log(Y/\Delta Y)$

CIE Y-based sensitivity

$S_r = (Y/\Delta Y)$

$$L^*_{85,3} = (t/a) \ln [1 + b (Y/Y_u)]$$

$$a=0,3411 \quad t=88,23 \quad t/a=258,6 \quad b=a \cdot Y_u=6,14$$

tristimulus value Y sensitivity

$$\log(Y/dY) = \log [(1+b \cdot (Y/Y_u)) / (t \cdot Y)]$$

$$L^*_{85,3,u}=508, \quad Y_u=18, \quad dY_u=0,08, \quad Y_u/dY_u=222$$

$$\log(Y/dY)=2,34, \quad m_u=0,13$$

3 1000

2 100

1

0,1

1

10

$Y_u=18$ 100 Y

2 log(Y)

application
range