

$\log(Y/\Delta Y)$

CIE Y based sensitivity

$$S_r = (Y/\Delta Y)$$

$$L^* = (t/a) \ln [1 + b (Y/Y_u)]$$

$$a=0.3411 \quad t=88.23 \quad t/a=258.6 \quad b=a \cdot Y_u=6.14$$

tristimulus value Y sensitivity

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

$$L^*_u=508, Y_u=18, dY_u=0.08, Y_u/dY_u=222$$

$$\log(Y/dY)=2.34, m_u=0.13$$

3 1000

2 100

1

-2

0,1

-1

1

0

10

1

$Y_u=18$ 100

$\log(Y)$

application
range