

CIEF02 spectral tristimulus values $\bar{y}_{\max}(\lambda)=1$

$$\bar{y}_{F02,1}(\lambda) = A_{21}\bar{l}_{F02,1}(\lambda) + A_{22}\bar{m}_{F02,1}(\lambda) + A_{23}\bar{s}_{F02,1}(\lambda)$$

$$A_{2j} \quad 0,6899 \quad 0,3483 \quad 0,000 \quad (\lambda \sim 545)$$

$$D50: \Sigma \bar{y}_{F02,1}(\lambda) = 21,89$$

$$\bar{y}_0 = \bar{y}_{F02,1}(\lambda)$$

$$x_{F02,1} = 0,3483 \quad y_{F02,1} = 0,3607$$

$$\bar{y}_1 = A_{21}\bar{l}_{F02,1}(\lambda)$$

$$a = \bar{y}_{F02,1}(\lambda_a) / \bar{m}_{F02,1}(\lambda_a)$$

$$\bar{y}_2 = A_{22}\bar{m}_{F02,1}(\lambda)$$

$$b = \bar{y}_{F02,1}(\lambda_a) / \bar{l}_{F02,1}(\lambda_a)$$

$$\bar{y}_3 = a\bar{y}_2 - b\bar{y}_1$$

$$\bar{y}_4 = b\bar{y}_1 - a\bar{y}_2$$

Adaptation:

$$\lambda_a = 570\text{nm}$$

D50

