

IES TM-30-15 Errata

If you, as a user of IES's TM-30-15, believe you have located an error not covered by the following revisions, you should e-mail your information to Pat McGillicuddy, pmcgillicuddy@ies.org or send a letter to Pat McGillicuddy, Manager of Technology, IES, 120 Wall St. 17th Floor, New York, NY 10005. Additions will be posted to this list online as they become available. This errata list was last updated **November 4, 2015**.

Please confine your comment to specific typographical errors or misstatements of fact in the document's text and/or graphics. Do not attempt revisions of TM-30-15.

3.7.1 Calculation of Color Coordinates

Equation (3.7.18) was partially concealed. The full illustration is as follows:

$$t = \frac{\frac{50000}{13} \times N_{cb} \times N_c \times e_t \sqrt{a^2 + b^2}}{R'_a + G'_a + \frac{21}{20} B'_a}$$

Equation (3.7.6), second element, M_H should be M_{HPE} . The correct equation is as follows:

$$\begin{bmatrix} R' \\ G' \\ B' \end{bmatrix} = M_{HPE} \begin{bmatrix} X_c \\ Y_c \\ Z_c \end{bmatrix} = M_{HPE} M_{CAT02}^{-1} \begin{bmatrix} R_c \\ G_c \\ B_c \end{bmatrix}$$

Equation (3.7.23) (new equation number), $\ln$ should be used instead of $\log$. The correct equation is as follows:

$$M' = \left(\frac{1}{0.0228} \right) \ln (1 + 0.0228 \times M)$$

Note: The IES TM-30-15 calculation tool files are uploaded to a specific website. The URL is found at the top of the Table of Contents for IES TM-30-15. This standard may be purchased on the IES Bookstore, www.ies.org/store.

4.4 Color Samples – Figure 8

In box 7, the root-mean-square average has been changed to arithmetic average.

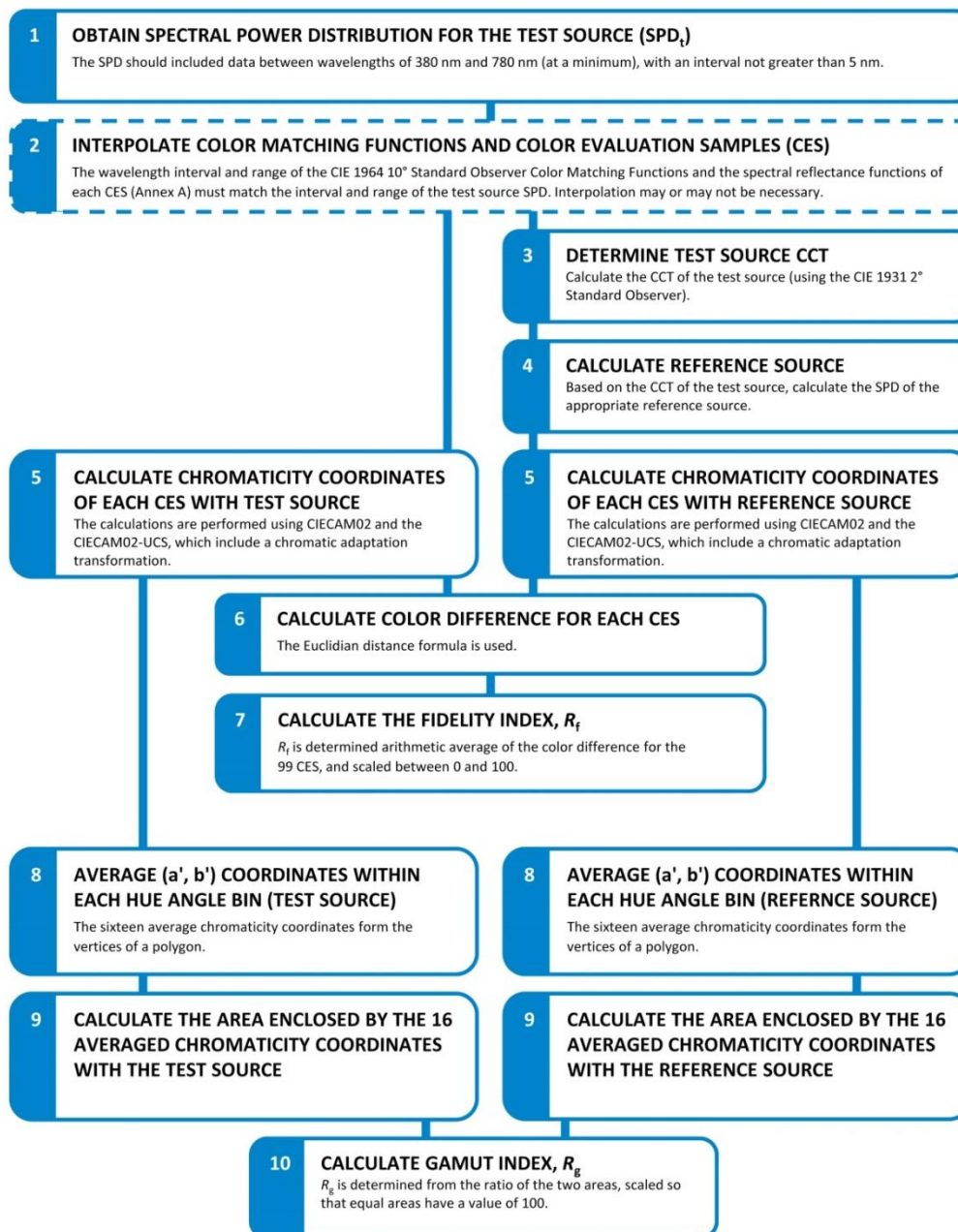


Figure 8: Flow chart for calculating R_f and R_g .