

Jon McHugh is a registered Mechanical Engineer and owner of McHugh Energy Consultants. Jon was the primary author of SkyCalc, skylight sizing software, and has led research on the thermal and photometric properties of skylights. IES Standard LM81-10 and the definition of the “daylit zone under skylights” in a number of energy codes are based on this foundational skylight photometric distribution research. McHugh Energy has managed lighting and daylighting energy code enhancement proposals for the Canadian Model Energy Code for Buildings, California’s Title 24 and ASHRAE 90.1. Mr. McHugh proposed a flicker test method that includes the use of Fourier transforms to filter data for calculating percent flicker below given cut-off frequencies and helped guide research that applied this test method to a variety of electric light sources. This flicker test method and calculation procedure is referenced by the recently adopted 2016 California Title 24 building standards (Appendix JA10) and Title 20 appliance standards for LEDs.