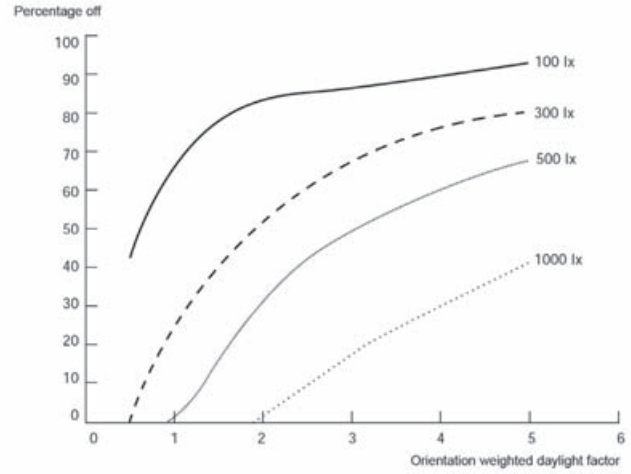

Figure 165
The percentage of the working year in which that electric lighting will be switched-off; plotted against orientation-weighted daylight factor for different 'design' illuminances, assuming only an on/off photo-electric switching system.

Automatic photoelectric controls can also be used to dim the electric lighting in response to daylight. Figure 166 shows the percentage of a normal year during which the luminaires would have to be switched-off in order to ensure that the energy saving obtainable by continuous photo-electric dimming to be achieved. It applies to Project Lighting Management Systems (PLMS) that can control down to 10 percent light output or less. This could be achieved by most of the luminaires with tube fluorescent and with all LED light sources.

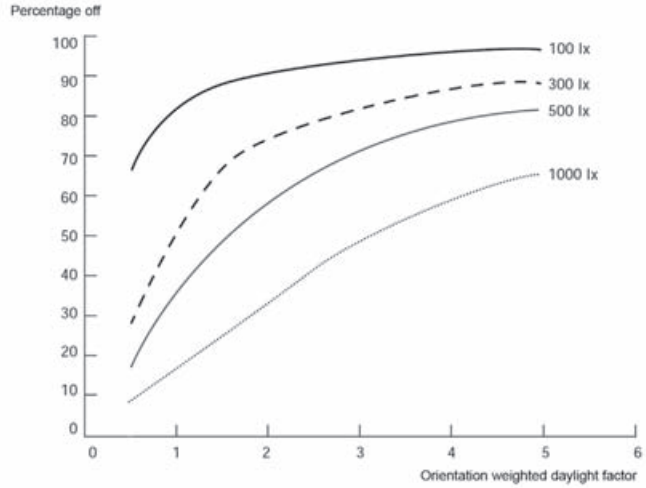

Figure 166
The percentage of the normal year that electric lighting will be switched-off, for different 'design' illuminances, assuming a top-up photoelectric dimming system is applied and controlled through an orientation weighted daylight sensor.