6. COLUMN F - is 5 times the product of the room cavity height H (from COLUMN E) and the sum of the room length and width (L from COLUMN C plus W from COLUMN D), all divided by the room area L (from COLUMN C) times room width (W from COLUMN D). This quantity is the RCR and should be entered in COLUMN D of Part 1 of LTG-6-C for tasks with illuminance categories A-G.

Non-rectangular Spaces

7. COLUMN A - lists each room’s number, and should correspond with the plans.
8. COLUMN B - lists the area or activity description for the room. If the room has multiple tasks or activities, use the dominant activity for the room in this column.
9. COLUMN C - lists the interior area (A) of the room in square feet. This should be determined by whatever means appropriate for the shape of the room.
10. COLUMN D - lists the room perimeter (P) measured in feet along the interior surfaces of the walls that define the boundaries of the room. For rooms with angled walls, this is the sum of the interior lengths of each wall in the room. For circular rooms, this is the interior radius of the room, squared, times pi (3.141).
11. COLUMN E - lists the vertical distance, measured in feet, from the work plane to the center line of the lighting fixture. This measurement is called the room cavity height (H).
12. COLUMN F - is 2.5 times the product of the room cavity height H (from COLUMN E) and room perimeter P (from COLUMN D), all divided by the room area A (from COLUMN C). This quantity is the RCR and should be entered in COLUMN D of Part 1 of LTG-6-C for tasks with illuminance categories A-G.

5.15.8 LTG-8-C: Common Lighting Systems Method Worksheet

Complete and submit form LTG-8-C (Common Lighting Systems) only if selecting the Common Lighting Systems method of allowed lighting power to determine if an indoor lighting system complies with the prescriptive requirements (§146 in the Standards). This method is for building types shown in Standards Table 146-B, Complete Building Method Lighting Power Density Values. In addition, the lighting power density listed in Standards Table 146-B for that building type must be at least 1.0 w/ft².

1. SPACE NAME -- Insert the name or number of the space. Use a new row for each space in the building area.
2. SPACE AREA -- Insert the area (square feet) of the space.
3. LUMINAIRE TYPE OR CODE -- Insert the luminaire type, or the luminaire code shown in the luminaire schedule on the plans.
4. LUMINAIRE POWER -- Insert the power used by each luminaire of the type shown on this line, in watts. This is the total power including the ballast or transformer (or lamp, if no ballast or transformer is required to operate that lamp) when operating the lamp.