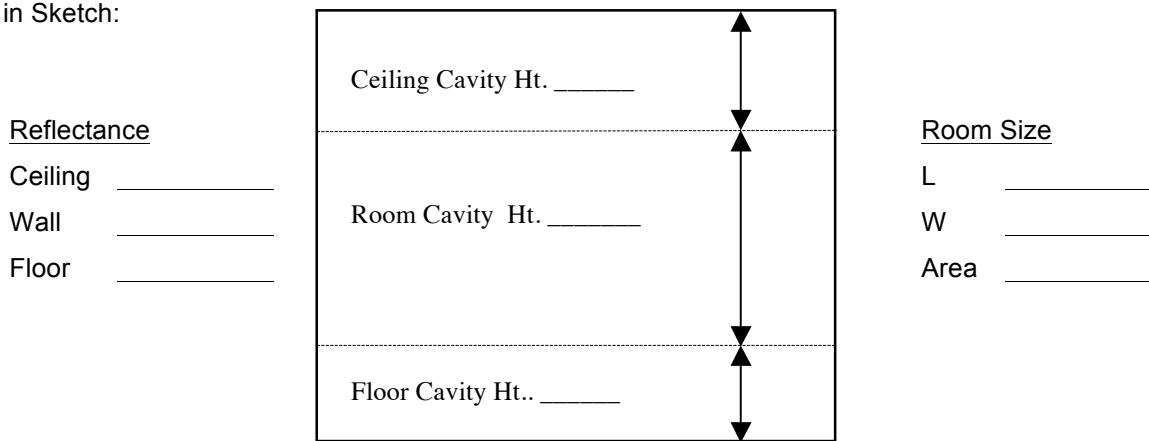


Average Maintained Illumination Calculation Worksheet – Lumen Method

1. Room Name: _____
2. Design Illuminance Level: _____
3. Luminaire Manufacturer & Catalog Number: _____
4. Lamps: Type, Color, Lumen Rating: _____
5. Lamps per Luminaire: _____
6. Total Lumens per Luminaire: _____

7. Fill in Sketch:



8. Determine Room Cavity Ratio:

$$\text{RCR} = \frac{5 \times \text{Room Cavity Height} \times (\text{Length} + \text{Width})}{\text{Length} \times \text{Width}} = \underline{\hspace{2cm}}$$

9. CU from Luminaire Cut Sheet: _____

10. Determine Light Loss Factors:

<u>Non-Recoverable</u>	<u>Recoverable</u>
Voltage Factor _____	LDD _____
Ballast Factor _____	LLD _____
LDD _____	RSDD _____

Product of all Light Loss Factors _____

11. Calculate illuminance level achieved:

$$\text{Maintained Illuminance} = \frac{\text{Lumens/Luminaire} \times \text{Luminaires} \times \text{CU} \times \text{LLF}}{\text{Area}} = \underline{\hspace{2cm}}$$