

LumiPHI®

Luminated Particulate Hood Inspection Instrument

1. Remove the Power Cord and Foot Control from the box.



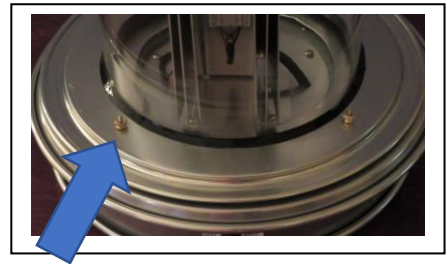
2. Carefully remove the **LumiPHI®** inspection instrument from the box, being careful with the glass dome.
 - a. **CAUTION:** It is not recommended to lift the **LumiPHI®** by the glass dome.
 - b. Place the **LumiPHI®** fixture on a stable surface with the brightness control knob facing to the front.



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3. Remove the four knurl thumb nuts that secure the glass dome base in place and set them aside to be reinstalled later.



4. Carefully lift the glass dome up off the fixture and set it off to the side, making sure not to damage it. Remember, this is a glass dome.



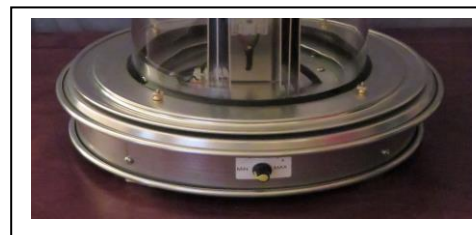
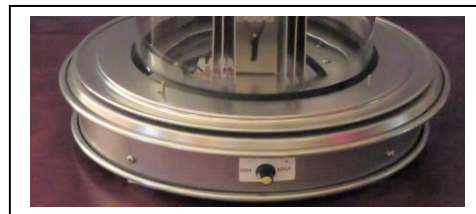
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5. Carefully remove the packing material that secures the light reflector in place during shipping.



6. Replace the glass dome on the fixture. Carefully place it over the reflector. Align the mounting holes in the base with the mounting screws located on the fixture base. Secure the glass dome in place using the thumb nuts that were removed earlier. NOTE: Do not over tighten the nuts - only hand tighten them.



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7. Plug the female end of the power cord into the back of the **LumiPHI®** fixture base and the other end with the three prongs into back of the foot control switch plug.



8. Plug the foot control switch plug into a 120-volt AC outlet.



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9. Momentarily engage/press the foot control switch to turn on the light inside the dome.
 - a. **CAUTION: Do not look directly at the light.**
 - b. Rotate the brightness control knob clockwise and counterclockwise to ensure light intensity is increasing and decreasing.
 - c. **Be Careful -- this is a bright light and can cause damage to your eyes if viewed directly.**
 - d. Disengage the foot control switch to turn the light off.



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10. Identify the Particulate Hood to be inspected.
 - a. With the blacked-out area on the dome facing forward, carefully slide the hood over the glass dome so that the face opening in the hood is over the blacked-out area.
 - b. Smooth out any folds to ensure an even inspection.



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11. Engage/press the foot control switch and adjust the light intensity for optimal viewing.

- a. Light intensity required for optimal viewing will vary with hood configuration and color.
- b. Maintaining the lowest level of light intensity for optimal viewing will extend the life of the light source and reduce heat build-up in the glass dome.



12. With the foot control switch engaged, slowly rotate the hood 360-degrees thru the light inspection zone while viewing the hood. Note any defects or flaws in the hood.



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13. After a 360-degree hood inspection is complete, disengage the foot control switch. Record the inspection results; a sample inspection form is attached to help you get started.

14. Remove the hood by sliding it up off the glass dome.

15. Repeat steps 6 thru 9 for the next hood inspection.

16. Once all hood inspections are complete, clean the glass dome with a mild disinfectant glass cleaner. You're now ready for the next inspection session.

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Date _____

Inspector Name _____

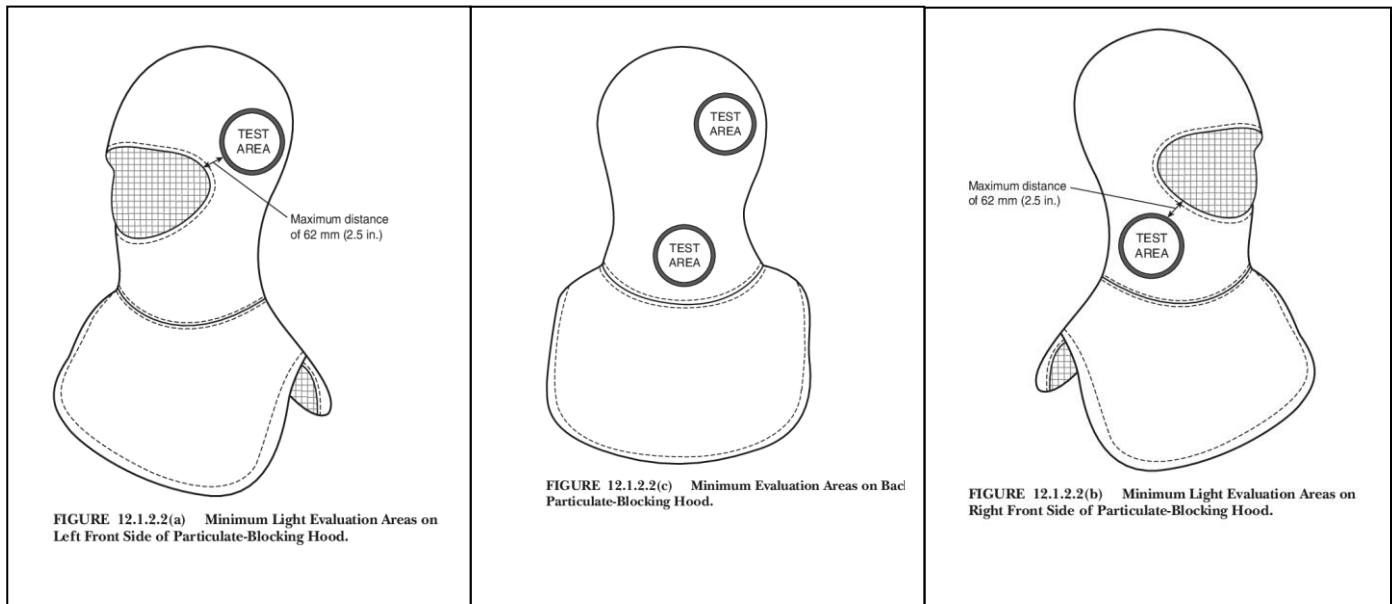
PASS _____

Hood Identifier _____

Notes _____

FAIL _____

Document, on the drawings, where flaws were identified.



Source: Drawings are from 2020 revision of NFPA 1851 chapter 12