MFR P/N	DESCRIPTION	QTY
231-1	General Purpose Masking Tape	A/R

TOOLS	DESCRIPTION	QTY
407026	Hand Light Meter (Extech) or Equivalent	1

REFERENCES

Figures 1 and 2, AMM 33-51-15, SSM 33-21-11, 33-22-11

MECH **INSP**

MPD ITEM: 33-070-00

AIRPLANE NOTE: TASK APPLIES TO AIRCRAFT WITH PHOTOLUMINESCENT FLOOR PROXIMITY LIGHTING ONLY.

_____ XXXXX 1. Cabin lighting - Measure the available light intensity (Fig. 1)

A. Procedure

(1) Prepare to measure the cabin light intensity:

(a) Move the airplane out of direct sunlight or daylight conditions.

NOTE: This can be done by moving the airplane inside a hanger or by taking the readings at night.

(b) Assure that the airplane interior is in fully operational passenger provisions configuration.

NOTE: Provisions to include all seats, bins, galleys, lavs, etc. installed for normal use.

(c) Do the following steps to mark light intensity measurement points on the aisleway carpet:

NOTE: See (Fig. 1).

1) Place a piece of tape, 3M #250 (A-A-883), centered between the photoluminescent strips, on the aisleway carpet at the centerline of the forward cabin door.

2) Using a ruler or measuring tape, measure 40 inches

aft of that piece and put another piece of tape on the carpet.

3) In like fashion, place pieces of tape every 40 inches throughout the rest of the length of the cabin, all the way back to, and including, the centerline of the most aft passenger door.

(d) Make several copies of (Fig. 2) to use for recording data at each measurement point.

(e) Set the lights for the cabin light level test:

NOTE: You will notice that the lights activated for this test differ from those in(AMM TASK 33-51-15-860-801 p201). This test uses only the overhead lights to assure that they can charge the system by themselves.

1) At the applicable attendants panel, set the switch for the fluorescent ceiling lights (SSM 33-22-11) to the On or bright mode.

2) At the applicable attendants panel, set the switch for the window or sidewall lights (SSM 33-21-11) to the Off mode.

3) Set all reading lights to the Off mode.

4) Close all window shades, lavatory doors, cabin egress doors, and all overhead bin doors.

(f) Maintain the above conditions for 30 minutes minimum to stabilize the light source.

_____ XXXXX (2) Do these steps to measure the light intensity throughout the passenger cabin (Fig. 1) using a light meter such as, meter Extech Model 407026 or equivalent:

NOTE: One person should perform the tests while another person records the data.

(a) Set up the light meter:

1) Turn the meter on and assure that it is operating according to the manufacturers instruction manual.

2) Set the light meter to read in the 0 to 200 Lux range (or comparable range), daylight mode (if applicable), and zero it or initialize it if necessary.

(b) At the piece of tape marking the next point to be measured:

1) Place the light meter on the light strip on one side of the aisle at the point to be measured.

CAUTION: IN ORDER TO RECORD ACCURATE MEASUREMENTS, MOVE OUT OF THE PATH OF LIGHT TO THE METER BEFORE TAKING A READING.

2) Record the measurement point number and the light level value on the data sheet, (Fig. 2).

3) Move the light meter onto the strip on the other side of the aisle and measure and record the light level value on the data sheet for that side of the aisle.

(c) Repeat and record the above measurements for all remaining points along the cabin floor.

_____ _____ (3) Calculate the average light level in the passenger cabin:

(a) Add all the recorded readings from all data sheets for values measured on each side of the aisle and record those totals on the last sheet.

NOTE: You will have two totals, one for the right side and one for the left side.

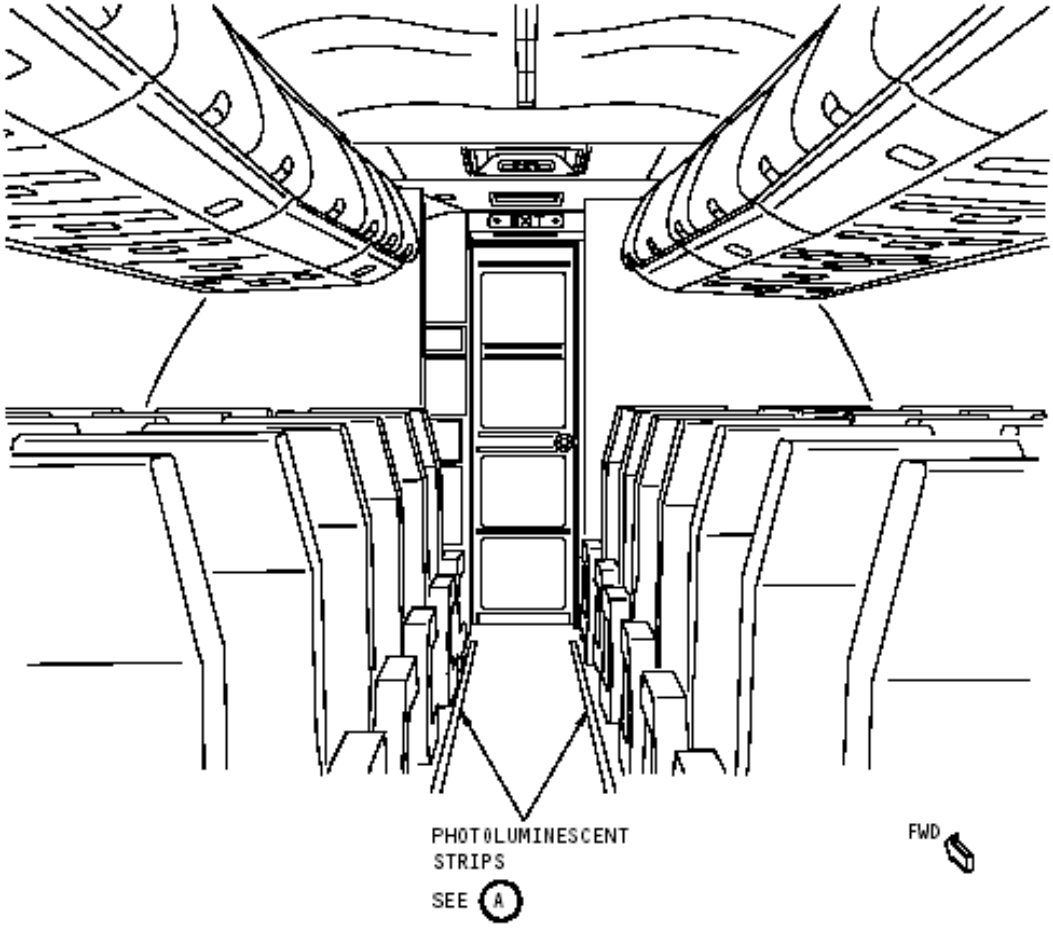
(b) Divide each total by the number of readings taken for that side.

(c) Verify that the average value for each side is 50 Lux minimum.

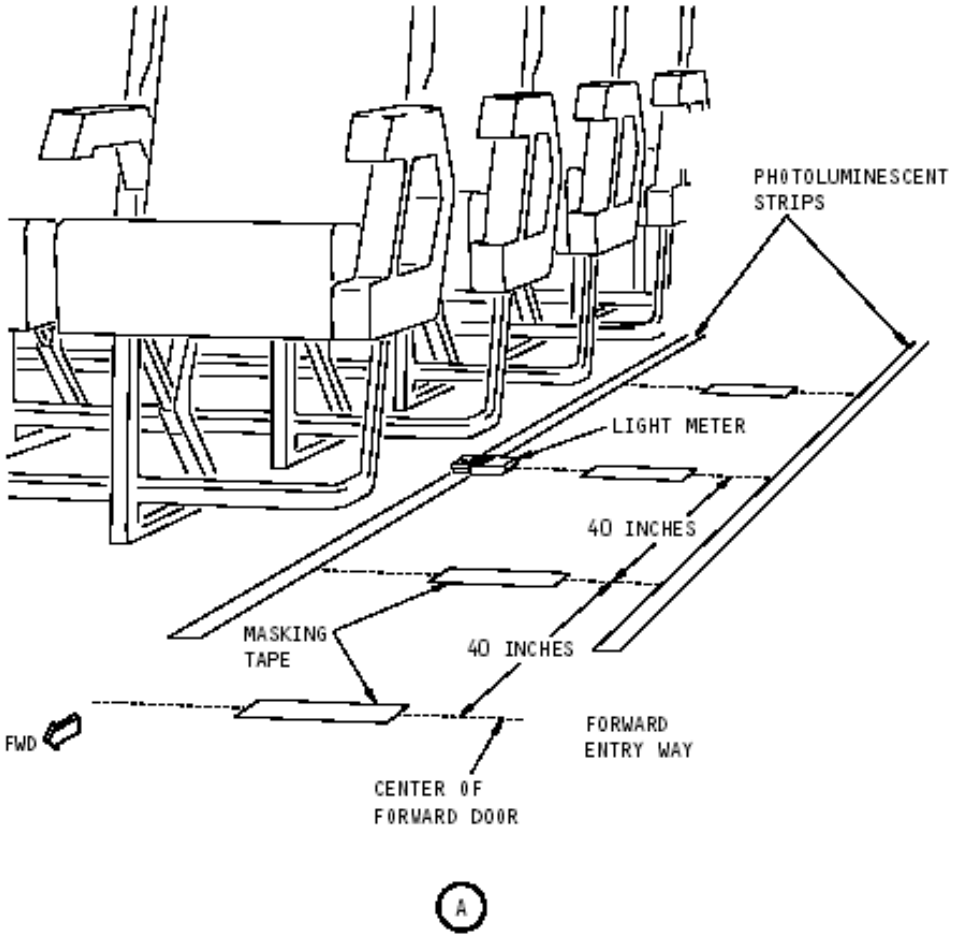
NOTE: If Left or Right side Lux average is less than minimum requirement, generate Non-Routine to relamp cabin ceiling lights as required.

_____ XXXXX (4) Return the airplane to it's usual condition.

********** END OF WORKCARD **********



Floor Proximity Lights – Cabin Light Intensity Test



Floor Proximity Lights - Cabin Light Intensity Test

MEASUREMENT POINT	MEASURED LIGHT (LUX)	
	LEFT SIDE	RIGHT SIDE
SUBTOTAL THIS PAGE:		
SUBTOTAL PREVIOUS PAGE:		
OVERALL TOTAL:		
AVERAGE (LAST PAGE ONLY):		

DATA SHEET

Floor Proximity Lights – Cabin Light Intensity Test
Light Meter Readings