

STAT

Approved For Release 2005/06/23 : CIA-RDP78B05171A000400030032-5

CLASSIFICATION

ATP 600000
SHEET 1 OF 8
USED ON MLT-1540
DATE 11 October 1971
REVISION (See last sheet for record) E

TITLE

ACCEPTANCE TEST PROCEDURE FOR LIGHT TABLE MLT-1540

STAT

SERIAL NUMBER 021

[Redacted box]

STAT

DATE 2 DEC 1971

TIME 09:15

Declass review by NGA/DoD

This item has successfully performed to all of the requirements as itemized and checked in the body of this procedure.

STAT

Approved For Release 2005/06/23 : CIA-RDP78B05171A000400030032-5

DOCUMENT NO.

ATP 600000

SHEET NO. 2 of 9

1.0 PURPOSE

The purpose of the Acceptance Test Procedure is to verify that the Modular Light Table, MLT-1540, meets its functional and performance requirements.

2.0 EQUIPMENT REQUIRED

2.1 MLT-1540 complete per Drawing No. 600300 and 600100.

2.2 Test film as follows:

9.5 inch wide, 4 mil base, 1,000 foot, 1 roll

5 inch film, 1,000 foot, 2 rolls

70mm film, 1,000 foot, 2 rolls

2.3 Empty take-up spools.

(This should be commensurate with the number of films required as listed above.)

2.4 Stop watch

2.5 GFE foot lambert meter (Weston Model 759)

3.0 ACCEPTANCE TEST

Completion and verification of each of the following items shall be noted by the inspector's stamp or initials in the space provided.

3.1 Mechanical and visual inspection.

The MLT shall be carefully examined to determine conformance to the requirements of Drawings 600300 and 600100; Outline Drawing. Moving parts such as covers, latches and gear mechanisms shall be checked to assure proper fit and operation without sticking or binding. Quality of workmanship, proper materials and finishes, nameplate installation, etc. shall be verified.

3.2 Connect table to 117 VAC, 25 amp power source. (220 VAC for --5 configuration)

3.3 Turn lights on to maximum intensity, both sides.

a) Record time turned on.

09:15
Time on

3.4 Operate the elevating mechanism.
(Not applicable to -1 configuration)

a) Note max. and min. distance from floor.
(Max. = 40" ± 1", Min. = 22" ± 1")

3.5 Check operation of manual hand crank elevation for smoothness of operation.

3.6A Operate carriage motion system with table horizontal, and weight of optics (~ 15 lbs). (Omit 3.6A for -4 tables).

a) Using QCI 6083 check bridge for free play and record measured amounts.

X _____ Y _____

N/A

b) Note force required to move carriage with motors disengaged in X and Y direction (\leq 4 lbs both axis)

N/A

c) With motors powered in X and Y axis and speed control set at 0, verify that 15 lbs will not move bridge. (Not applicable to -1 configuration)

N/A

d) Determine min constant speed, X axis. (3" travel \geq 60 seconds without stalling) (Not applicable to -1 and -3 configuration)

N/A

e) Determine min constant speed, Y axis. (3" travel \geq 60 seconds without stalling) (Not applicable -1 and -3 configuration)

N/A

f) Note that at horizontal table is level \pm 1°.

N/A

3.6B Operate carriage motion system with table horizontal (\pm 1°) and weight of optics (~ 15 lbs). (Omit 3.6B for -1, -2 and -3 tables)

a) Using QCI 6084 check bridge for free play and record measured amounts.

2 lb 4 lb

X .002 .005

Y .001 .007

STAT

b) Note force required to move carriage in X direction with X motor disengaged (\leq 2 lbs)

In Y direction with Y motor disengaged (\leq 4 lbs)

1.6 LBS
3.7 LBS

and in Y direction with Y bridge drive disconnect mechanism in the disconnected mode (right & left levers pointed down). (\leq 2 lbs)

1.5 LBS

c) With motors engaged and Y bridge drive disconnect mechanism engaged (right & left levers parallel with table top) verify that 15 lbs will not move bridge.

d) Determine X and Y minimum running speed. Verify time to traverse .1". (5 mils per second \pm 10%)

Minimum 18.0 sec
Nominal 20.0 sec
Maximum 22.0 sec

X 19.5

Y 20.45

↑ 20.6 → 19.5
↓ 20.3 ← 19.5

e) Determine maximum running speed. Verify that time to traverse 4" is less than 16 sec. ($> .250$ inches per second)

$\leftarrow = 17.2$ $\rightarrow = 18.0$ X 17.6 Y 18.8 $\uparrow = 19.4$ $\downarrow = 18.2$

W. J. 9
1/17/71
DB

f) Using a microscope and grid paper verify that set speed is attained in less than 1.0 sec. after control actuation without noticeable carriage jerk and stops within .1 sec. of control release for the following conditions

Machine set for min. speed		SPEED		
		MIN	MED	HIGH
Precondition - Stop - Restart		5 mils/sec (200 sec/in)	20 mils/sec (50 sec/in)	100 mils/sec (10 sec/in)
Direction	Direction			
left	left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
left	right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
right	right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
right	left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to rear	to rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to rear	to front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to front	to front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to front	to rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

g) Verify that X and Y speeds are equal within 10% over control speed range. (Min. speed previously checked in 3.6B, Section d.)

MED SPEED at approximately 20 mils/sec
(~ 50 sec/inch) Time to traverse 1 inch

X 50.4 Y 52.8

HIGH SPEED at approximately 100 mils/sec
(~ 20 sec/2 inches) Time to traverse 2 inches.

X 20.8 Y 19.8

MAX SPEED at approximately 250 mils/sec
(~ 16 sec/4 inches) Time to traverse 4 inches

X 17.6 Y 18.6

h) Verify smooth operation over entire speed control range for each direction of travel

right left to rear to front

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3.7 Operation of tilt mechanism

- a) Release Y bridge drive disconnect mechanism and verify that table tilt mechanism is inoperable. (Applies to -4 only)
- b) Engage Y bridge drive disconnect mechanism and operate tilt mechanism. Note that full tilt provides $15^\circ \pm 1^\circ$

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3.8A Operate carriage motion system with table tilted, and weight of optics on carriage. (Not applicable -1 & -4 configuration)

- a) Check operation of "Fail-Safe" system for Y axis movement.
- b) Determine min. constant speed, X axis. (3" travel \geq 60 sec. without stalling). (Not applicable to -3 configuration).
- c) Determine min. constant speed, Y axis. (3" travel \geq 60 sec. without stalling). (Not applicable to -3 configuration).

N/A

N/A

N/A

STAT

3.8B Operate carriage motion system with table tilted and weight of optics on carriage. (-4 only).

- a) Check operation of "Fail-Safe" system
- b) Determine X and Y minimum running speed. Verify time to traverse .1 inch. (5 mils per second \pm 10%)

Minimum	18.0 sec	X	<u>19.6</u>
Nominal	20.0 sec		
Maximum	22.0 sec	Y	<u>21.7</u>

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- c) Determine maximum running speed. Verify that time to traverse 4" is less than 16 sec. ($>$.250 inches per second)

X 18.0 Y 18.4 w/ 12/4/71

DB

- d) Using a macroscope or equivalent and grid paper verify that set speed is attained in less than 1.0 sec. without noticeable carriage jerk for following conditions.

Precondition - Stop - Restart		SPEED		
		MIN 5 mils/sec	MED 20 mils/sec	HIGH 100 mils/sec
Direction	Direction			
left	left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
left	right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
right	right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
right	left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to rear	to rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to rear	to front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to front	to front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to front	to rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

STAT

3.9 Return table to level position. Mount dial indicator on optics holder with weight of optics attached. Check for carriage drift. (No visible movement of dial)

DB

3.10 Check parallelism of optics carriage to format surfaces with dial indicator.

a) Note max. deviation. (within .015 inches) .006 MAX

DB

3.11 Mount two 1,000 ft. rolls of 70mm film, normal mode, emulsion up and emulsion down.

a) Note time to rewind, both rolls at same time, in opposite direction. (≤ 3 min.)

DB, 2/1

b) Note tracking characteristics

DB

c) Note effect on stationary web when other moves and stops rapidly. Check both webs. (No interaction)

DB

d) Verify min. speed on front roll only. (insure smooth control from 0 to 1 inch/sec.)

DB

3.12 Mount 1,000 ft. roll 9.5-inch film, normal mode, emulsion up.

a) Note time to completely rewind. (≤ 3 min.)

2'21"

DB

b) Start and stop rapidly from full speed (no take-up loop). No slack loops or excessive tension.

DB

c) Operate take-up loop. Note max. capability. (≥ 76 inches)

DB

d) Scan slowly with take-up loop. Note tracking stability.

DB

3.13 Mount two 1,000 ft. rolls 5-inch film, split vertical mode, emulsion up and emulsion down.

a) Operate to insure split vertical capability.

DB

3.14 Maximum illumination

Mark off table surfaces with china markers to show restricted area using the plastic template.

a) Note time. Check that 30 minutes min. have elapsed since 3.3a).

b) Note illumination at left format center. ($\geq 3,000$ F.L.)

Max. illumination 3250

DB

c) Note illumination at right format center. ($\geq 3,000$ F.L.)

Max. illumination 3350

DB

d) Note difference between 3.14 b) and 3.4 c). (≥ 150 F.L.)

DB

AT

3.15 Illumination left format.

a) Set center of left format to 3,000 F.L. Verify

Set right format to minimum.

b) Note deviation from previous reading. (± 150 F.L.)
Ref. 3.15 a)100
deviation

Return right format to maximum

c) Note min. illumination over entire area

1750
entire area

d) Note min. illumination in restricted area

2250
res. area

Set left illumination at minimum.

e) Note reading at format center. (≤ 200 F.L.)100
min. illum.

Set right illumination at minimum.

f) Note deviation from previous min. (≤ 150 F.L.)
Ref. 3.15 d)0
deviation

Return illumination, both sides, to maximum.

3.16 Illumination on right format surface.

a) Set center of right format to 3,000 F.L. Verify

Set left format to minimum

b) Note deviation from previous reading. (± 150 F.L.)
Ref. 3.16 a)75
deviation

Return left format to maximum

c) Note minimum illumination over entire surface

1800
ent. surf

d) Note minimum illumination over restricted area.

2300
res. area

Set illumination at minimum.

e) Note reading at format center (≤ 200 F.L.)100
min. illum.

Set left illumination at minimum.

f) Note deviation from previous min. (≤ 150 F.L.)
Ref. 3.16 e).0
deviation

3.17 Observe light sources for evidence of flicker

a) Set both at max. Verify no objectionable flicker.

b) Set both at min. Verify no objectionable flicker.

3.18 Film masking system.

CLASSIFICATION

ATP 600000

SHEET NO. 8

AUTHORITY

REV	SH	DESCRIPTION	DATE	AUTHORITY
A		<p>Deleted paragraphs 3.10, 3.14 a) through d), 3.15 a), c), e).</p> <p>Revised paragraph 3.16 a)</p> <p>Reason: To eliminate destructive tests, reduce test time and for clarification.</p>		
B		<p>Revised entire test sequence to facilitate more efficient testing.</p> <p>Deleted paragraphs 3.6, 3.7, 3.8</p> <p>Reason: Items are covered in 3.1</p> <p>Paragraph 3.4 Added ± 1" tolerance</p> <p>Paragraph 3.9 Added "No visible movement of dial."</p>		
C		<p>Added provisions for -1, -3, -4 & -5 configurations.</p>		
D		<p>Paragraph 3.6 Change 10 lbs to 15 lbs</p> <p>Paragraph 3.6 b) Change 10 lbs to 15 lbs</p>		
E		<p>Added Para. 3.6B for MLT 1540-4 only</p>		

STAT

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CLASSIFICATION

DOCUMENT NO.	ATP 600000
SHEET 1 OF 8	
USED ON	MLT-1540
DATE	11 October 1971
REVISION (See last sheet for record)	E

TITLE

ACCEPTANCE TEST PROCEDURE FOR LIGHT TABLE MLT-1540

STAT

SERIAL NUMBER 021

[Redacted]

DATE 2 DEC 1971

TIME 09:15

STAT

This item has successfully performed to all of the requirements as itemized and checked in the body of this procedure.

STAT

STAT

DOCUMENT NO.

CLASSIFICATION

ATP 600000

SHEET NO. 2 of 9

1.0 PURPOSE

The purpose of the Acceptance Test Procedure is to verify that the Modular Light Table, MLT-1540, meets its functional and performance requirements.

2.0 EQUIPMENT REQUIRED

2.1 MLT-1540 complete per Drawing No. 600300 and 600100.

2.2 Test film as follows:

9.5 inch wide, 4 mil base, 1,000 foot, 1 roll

5 inch film, 1,000 foot, 2 rolls

70mm film, 1,000 foot, 2 rolls

2.3 Empty take-up spools.

(This should be commensurate with the number of films required as listed above.)

2.4 Stop watch

2.5 GFE foot lambert meter (Weston Model 759)

3.0 ACCEPTANCE TEST

Completion and verification of each of the following items shall be noted by the inspector's stamp or initials in the space provided.

3.1 Mechanical and visual inspection

The MLT shall be carefully examined to determine conformance to the requirements of Drawings 600300 and 600100; Outline Drawing. Moving parts such as covers, latches and gear mechanisms shall be checked to assure proper fit and operation without sticking or binding. Quality of workmanship, proper materials and finishes, nameplate installation, etc. shall be verified.

3.2 Connect table to 117 VAC, 25 amp power source. (220 VAC for --5 configuration)

3.3 Turn lights on to maximum intensity, both sides.

a) Record time turned on.

09:15
Time on

3.4 Operate the elevating mechanism.
(Not applicable to -1 configuration)

a) Note max. and min. distance from floor.
(Max. = 40" ± 1", Min. = 22" ± 1")

3.5 Check operation of manual hand crank elevation for smoothness of operation.

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DOCUMENT NO.

CLASSIFICATION

ATP 60000

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3.6A Operate carriage motion system with table horizontal, and weight of optics (~ 15 lbs). (Omit 3.6A for -4 tables).

- a) Using QCI 6083 check bridge for free play and record measured amounts. X _____ Y _____ N/A
- b) Note force required to move carriage with motors disengaged in X and Y direction (≤ 4 lbs both axis) N/A
- c) With motors powered in X and Y axis and speed control set at 0, verify that 15 lbs will not move bridge. (Not applicable to -1 configuration) N/A
- d) Determine min constant speed, X axis. (3" travel ≥ 60 seconds without stalling) (Not applicable to -1 and -3 configuration) N/A
- e) Determine min constant speed, Y axis. (3" travel ≥ 60 seconds without stalling) (Not applicable -1 and -3 configuration) N/A
- f) Note that at horizontal table is level $\pm 1^\circ$. N/A

3.6B Operate carriage motion system with table horizontal ($\pm 1^\circ$) and weight of optics (~ 15 lbs). (Omit 3.6B for -1, -2 and -3 tables)

- a) Using QCI 6084 check bridge for free play and record measured amounts.

	2 lb	4 lb	
X	<u>.002</u>	<u>.005</u>	
Y	<u>.001</u>	<u>.007</u>	
- b) Note force required to move carriage in X direction with X motor disengaged (≤ 2 lbs)

In Y direction with Y motor disengaged (≤ 4 lbs) 1.6 LBS

and in Y direction with Y bridge drive disconnect mechanism in the disconnected mode (right & left levers pointed down). (≤ 2 lbs) 3.7 LBS

(≤ 2 lbs) 1.5 LBS
- c) With motors engaged and Y bridge drive disconnect mechanism engaged (right & left levers parallel with table top) verify that 15 lbs will not move bridge.
- d) Determine X and Y minimum running speed. Verify time to traverse .1". (5 mils per second $\pm 10\%$)

Minimum	18.0 sec	X <u>19.5</u>
Nominal	20.0 sec	
Maximum	22.0 sec	Y <u>20.45</u>

STAT

\uparrow 20.6 \rightarrow 19.5
 \downarrow 20.5 \leftarrow 19.5

e) Determine maximum running speed. Verify that time to traverse 4" is less than 16 sec. ($> .250$ inches per second)

$\leftarrow = 17.2$
 $\rightarrow = 18.0$ X 17.6 Y 18.0 $\uparrow = 19.4$
 $\downarrow = 18.2$

W. J. 11/2/11
OP

f) Using a microscope and grid paper verify that set speed is attained in less than 1.0 sec. after control actuation without noticeable carriage jerk and stops within .1 sec. of control release for the following conditions

Machine set for min. speed		SPEED		
		MIN	MED	HIGH
Precondition - Stop - Restart		5 mils/sec	20 mils/sec	100 mils/sec
Direction	Direction	(200 sec/in)	(50 sec/in)	(10 sec/in)
left	left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
left	right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
right	right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
right	left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to rear	to rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to rear	to front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to front	to front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to front	to rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

STAT

g) Verify that X and Y speeds are equal within 10% over control speed range. (Min. speed previously checked in 3.6B, Section d.)

MED SPEED at approximately 20 mils/sec (~50 sec/inch) Time to traverse 1 inch

X 50.4 Y 52.8

HIGH SPEED at approximately 100 mils/sec (~20 sec/2 inches) Time to traverse 2 inches.

X 20.8 Y 19.8

MAX SPEED at approximately 250 mils/sec (~16 sec/4 inches) Time to traverse 4 inches

X 17.6 Y 18.6

h) Verify smooth operation over entire speed control range for each direction of travel

right left to rear to front

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3.7 Operation of tilt mechanism

STAT

- a) Release Y bridge drive disconnect mechanism and verify that table tilt mechanism is inoperable. (Applies to -4 only)
- b) Engage Y bridge drive disconnect mechanism and operate tilt mechanism. Note that full tilt provides $15^\circ \pm 1^\circ$

DB

DB

3.8A Operate carriage motion system with table tilted, and weight of optics on carriage. (Not applicable -1 & -4 configuration)

- a) Check operation of "Fail-Safe" system for Y axis movement.
- b) Determine min. constant speed, X axis. (3" travel \geq 60 sec. without stalling). (Not applicable to -3 configuration).
- c) Determine min. constant speed, Y axis. (3" travel \geq 60 sec. without stalling). (Not applicable to -3 configuration).

N/A

N/A

N/A

3.8B Operate carriage motion system with table tilted and weight of optics on carriage. (-4 only).

STAT

- a) Check operation of "Fail-Safe" system
- b) Determine X and Y minimum running speed. Verify time to traverse .1 inch. (5 mils per second \pm 10%)

Minimum	18.0 sec	X	<u>19.6</u>
Nominal	20.0 sec	Y	<u>21.7</u>
Maximum	22.0 sec		

DB

DB

- c) Determine maximum running speed. Verify that time to traverse 4" is less than 16 sec. ($>$.250 inches per second)

X 18.0 Y 18.4 w/ 12/4/11

DB

- d) Using a microscope or equivalent and grid paper verify that set speed is attained in less than 1.0 sec. without noticeable carriage jerk for following conditions.

Precondition - Stop - Restart		SPEED		
		MIN 5 mils/sec	MED 20 mils/sec	HIGH 100 mils/sec
Direction	Direction			
left	left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
left	right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
right	right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
right	left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to rear	to rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to rear	to front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to front	to front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
to front	to rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

STAT

3.9 Return table to level position. Mount dial indicator on optics holder with weight of optics attached. Check for carriage drift. (No visible movement of dial)

DB

3.10 Check parallelism of optics carriage to format surfaces with dial indicator.

a) Note max. deviation. (within .015 inches) **.006 MAX**

DB

3.11 Mount two 1,000 ft. rolls of 70mm film, normal mode, emulsion up and emulsion down.

a) Note time to rewind, both rolls at same time, in opposite direction. (≤ 3 min.)

DB, 2/1

b) Note tracking characteristics

DB

c) Note effect on stationary web when other moves and stops rapidly. Check both webs. (No interaction)

DB

d) Verify min. speed on front roll only. (Insure smooth control from 0 to 1 inch/sec.)

DB

3.12 Mount 1,000 ft. roll 9.5-inch film, normal mode, emulsion up.

a) Note time to completely rewind. (≤ 3 min.)

2'21"

DB

b) Start and stop rapidly from full speed (no take-up loop). No slack loops or excessive tension.

DB

c) Operate take-up loop. Note max. capability. (≥ 76 inches)

DB

d) Scan slowly with take-up loop. Note tracking stability.

DB

3.13 Mount two 1,000 ft. rolls 5-inch film, split vertical mode, emulsion up and emulsion down.

a) Operate to insure split vertical capability.

DB

3.14 Maximum illumination

Mark off table surfaces with china markers to show restricted area using the plastic template.

a) Note time. Check that 30 minutes min. have elapsed since 3.3a).

b) Note illumination at left format center. ($\geq 3,000$ F.L.)

Max. illumination **3250**

DB

c) Note illumination at right format center. ($\geq 3,000$ F.L.)

Max. illumination **3350**

DB

d) Note difference between 3.14 b) and 3.4 c). (≥ 150 F.L.)

DB

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STAT

3.15 Illumination left format.

a) Set center of left format to 3,000 F.L. Verify

Set right format to minimum.

b) Note deviation from previous reading. (\pm 150 F.L.)
Ref. 3.15 a)100
deviation

Return right format to maximum

c) Note min. illumination over entire area

1750
entire area

d) Note min. illumination in restricted area

2250
res. area

Set left illumination at minimum.

e) Note reading at format center. (\leq 200 F.L.)100
min. illum.

Set right illumination at minimum.

f) Note deviation from previous min. (\leq 150 F.L.)
Ref. 3.15 d)0
deviation

Return illumination, both sides, to maximum.

3.16 Illumination on right format surface.

a) Set center of right format to 3,000 F.L. Verify

Set left format to minimum

b) Note deviation from previous reading. (\pm 150 F.L.)
Ref. 3.16 a)75
deviation

Return left format to maximum

c) Note minimum illumination over entire surface

1800
ent. surf

d) Note minimum illumination over restricted area.

2300
res. area

Set illumination at minimum.

e) Note reading at format center (\leq 200 F.L.)100
min. illum.

Set left illumination at minimum.

f) Note deviation from previous min. (\leq 150 F.L.)
Ref. 3.16 e).0
deviation

3.17 Observe light sources for evidence of flicker

a) Set both at max. Verify no objectionable flicker.

b) Set both at min. Verify no objectionable flicker.

3.18 Film masking system.

AUTHORITY

REV	SH	DESCRIPTION	DATE	AUTHORITY
A		Deleted paragraphs 3.10, 3.14 a) through d), 3.15 a), c), e). Revised paragraph 3.16 a) Reason: To eliminate destructive tests, reduce test time and for clarification.		
B		Revised entire test sequence to facilitate more efficient testing. Deleted paragraphs 3.6, 3.7, 3.8 Reason: Items are covered in 3.1 Paragraph 3.4 Added ± 1 " tolerance Paragraph 3.9 Added "No visible movement of dial."		
C		Added provisions for -1, -3, -4 & -5 configurations.		
D		Paragraph 3.6 Change 10 lbs to 15 lbs Paragraph 3.6 b) Change 10 lbs to 15 lbs		
E		Added Para. 3.6B for MLT 1540-4 only		

Rec'd 9 Dec 71

10-20-71

92701011

HEWLETT-PACKARD

HEWLETT-PACKARD

92701011

INITIATE

START

FORWARD

STOP

INITIATE

START

Scale

2 Sec/IN →

.010"/IN ↓

Y AXIS START/STOP

S/N 021

2 DEC 1971 DB.

BACK

STOP

RECEIVED
DEC 11 1971

12/3/71

