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						,		SHEET 1	OF	•
TITL	E							USED ON	LT-1540	. •
	∆CCEPTAN	CE TES	PROCEDUR	F FOR LIGH	Y TARIF I	\A T_154		DATE		1070
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,			as itemized	and checked	in the bo	dy of thi	s procedu	ire.	· .	
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			•		. Date		Signatur	e		- ,
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,	Approved For Release 2	005/06/23 : CIA-RDP78B05171	2 00400 0030005 ±5 ^{NO.}
1		CLASSIFICATION	SHEET NO. 2
μ			SHEET NO. 2
1.0	PURPOSE	to the second se	
1.0	TORTOGE		
		ance Test Procedure is to veri eets its functional and perfor	
2.0	EQUIPMENT REQUIRED		
П	2.1 MLT-1540 complete	e per Drawing No.	
·	2.2 Test film as follows	:	
	9.5 inch wide, 4 m	nil base, 1,000 foot roll	
	6.6 inch film, 1,00	00 foot, 2 rolls	
	5 inch film, 1,000	foot, 2 rolls	
	70mm film, 1,000	foot, 2 rolls	
	2.3 Empty take-up spoo (This should be com as listed above.)	ols nmensurate with the number o	f films required
	2.4 Vibration target		
	2.5 Stop watch	•	
	2.6 GFE foot lambert m	neter (Weston Model 759)	
3.0	ACCEPTANCE TEST		
	-	on of each of the following it tials in the space provided.	ems shall be noted by
	3.1 Mechanical and vis	sual inspection	
	requirements of parts such as cover	s, latches and gear mechanis	ine Drawing. Moving ms shall be checked to
		d operation without sticking oper materials and finishes, ied.	
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		S	HEET NO. 3
	3.2	Mark off table surfaces with china markers to show restricted area using the plastic template provided.	
		restricted died osting the plastic template provided.	
	3.3	Connect table to regulated 117 VAC, 25 amp power source	ce/
	3.4	Turn lights on to max intensity, both sides.	
. '		a) Record time turned on.	Ars.
	3.5	Operate the elevating mechanism.	
		a) Note max and min distance from floor.	
	<i>.</i>	(Max = 40" Min = 22")	
	3.6	Check operation of manual hand elevation for	,
		smoothness of operation.	. J
	3.7	Charle film rollow for amost bases of anomalies	
	3./	Check film rollers for smoothness of operation and surface.	
٠.	2 2		
	3.8	Check that the coating on bottom cover is in place and smoothly applied.	
	2.0		
-	3.9	Check that wheel locks operate properly, both for rotation and rolling.	. /
•	2		
	3.10	Mount two 1,000 ft rolls of 70mm film on table, dual web configuration, emulsion up.	
		 a) Note time to rewind completely, both rolls at same time, in opposite direction. (≤ 3 minutes) 	No 1020
		same time, in opposite anachon. (== 0 inmotes)	Work of the
·		b) Note tracking characteristics.	
	.•	c) Note effect on stationary web when other moves and	
		stops rapidly. Check both webs. (No interreaction)	
		d) Measure min speed on front roll only.	·
		(Smooth control from 0 to 1 inch/ min.) 13.8 sie	0.0067
	3.11	Mount two 1,000 ft rools of 70mm film on table, dual we	
	- · · ·	configuration, emulsion down.	•
		a) Note time to rewind completely, both rools at same	No Itao
		time, in opposite direction. (≤ 3 minutes)	tate - era
		b) Note tracking characteristics.	<i>(</i>
		by Table Hocking Gluidelensits.	

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c) Note effect of stationary roll when other moves and stops rapidly. Check both webs. (No iterreaction) 3.13 Mount two rolls 5" film (1,000 ft) on table, split vertical mode, emulstion up and emulsion down. a) Operate to insure split vertical capability. 3.14 Mount 1,000 ft roll 9 1/2" film, emulsion up. a) Note time to completely rewind. (≤ 3 171/11.) b) Operate take-up mechanism. Note max capability. '(≥ 76 inches) c) Scan slowly with loop take up. Note tracking problems. d) Start and stop rapidly from full speed (no loop). (No slack loops or excessive tension) 3.15 Operate tilt mechanism. a) Note that full tilt provides 15°+1° slope. b) Note that horizontal table is level +1°. 3.16 Operate carriage motion system with table horizontal, and weight of optics on carriage. Set friction locks. a) Note force required to move carriage with locks set. (≥ 10 lbs) Deep not move carriage with locks set. (≥ 10 lbs) Deep not move carriage with locks set. (≥ 10 lbs) Deep not move carriage with locks set. (≥ 10 lbs) Deep not move carriage with locks set.				CLASSIFICATION	SHEET NO.	\$ 4
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weight of optics on carriage. Set friction locks. a) Note force required to move carriage with locks set. (≥ 10 lbs) Does not move collo 10 lbs. Release friction locks.			b) Note that horizo	ontal table is level $\pm 1^{\circ}$.	٠.	
a) Note force required to move carriage with locks set. (≥ 10 lbs) Does not move collo 10 lbs. Release friction locks.		3.16	•	· · · · · · · · · · · · · · · · · · ·	ontal, and	
(≥ 10 lbs) Does not move cell 10 lbs. Release friction locks.			Set friction locks.			· · · · · ,
	•					
b) Check operation of adjustable stops "x" direction		<i>2</i> ′	Release friction locks	5.		-
b) Check operation of adjustable stops, x affection.		•	b) Check operation	of adjustable stops, "x" di	rection.	

			CLASSIFI	CATION —	. SHEET NO.	5
		c) Check t	hat "Y" motion co	over full depth of the	formats.	
-		d) Note mo	ax speed, x direct	ion. ('(≥.5 in/sec)	
		e) Note mi	in speed, x directi	ion. (FULL STOP))	
		f) Note mo	ax speed, y direct	ion ((≥.5 in/sec)		
		g) Note mi	in speed, y directi	ion. (FULL STOP))	
		10 lbs	shall not a	on. (THE STOP) one of the horizontal in the second of the	nechan	
,) Note fo	rce required to mo	ove carriage with motion. (<u>\$</u> 4 lbs both	tors	x - 3 Ab = 4 - 3 /4 /6
	3.17		riage motion syster tics on carriage.	m with table tilted, (@15	and)	, ,
		a) Note mo	ax speed, x direct	ion. $(\geq .5 \text{ in/sec})$)	
		o) Note mi	in speed, x directi	ion. (FULL STOP	P)	
		Note mo	ax speed, y direct	ion. (\geq .5 in/sec)	UP - 0.37 <u>Davn - 0.5</u> 9
		-		ion. (FULL STOP)		
		ofth w	shell not can	y carriage m	rotion)	
		Check o		safe" system for Y-di	rection	
	3.18	Mount dial	indicator on optic	s holder with weight	of optics	
			nicroscope is raised	tion from action of in d and lowered throug		
-	3.19	Check parall Iial indicato	•	rriage to format surfa	ces with	Sd- 6.025
		a) Note mo	aximum deviation.	(Within .015 inche	s) Le	the anthon

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	CLASSIFICATION	
3.20	Check collimation of pod to both format surfaces. This must be done with weight of Zoom 240R with 28 Rhomboids on carriage.	<i>(</i>
	a) Note collimation deviation, if any. (10 minutes max x & y)	6 mm.
3.21	Check illumination on left format surface.	
ilB	a) Note time. Check that 30 minutes minimum have elapsed since 3.4 a).	
	b) Note max illumination at format center. (≥ 3,000 ft lamberts) Max illumination	
	Set right format to minimum.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	c) Note deviation from previous max. (\le 100 ft Lambert)	
	Return right format to maximum.	
	Set illumination at left center to 3,000 fl.	
	d) Note minimum illumination over entire surface. Entire surface	
	e) Note minimum illumination in restricted area. Restricted Area	
	Set illumination at minimum.	· .
	f) Note reading at format center. (≤ 200 ft LAMBERTS) MIN ILLUMINATION	
	Set right illumination at minimum.	
	g) Note deviation from previous minimum. (≤ 100 ft Lambert) Deviation	
	Return illumination, both sides, to max.	

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			CLASSIFICATION -		SHEET NO.	7	
3.22	Che	eck illumination	on right format su	urface.			
	a)	Note time. Ch	neck that 30 minu	ites minimum have	e elapsed	, A	· `
•	ъ)	Note maximum (≥ 3,000 ft /a)	illumination at f	ormat center. 3/2-5 Max illumina	tion		
	Set	left format to m	inimum.				•
	c)	Note deviation maximum. (≤		Deviation	J.S		
٠	Ret	urn left to max.	•	. ·			
	Set	illumination at	center of format t	to 3,000 fl.			
	d)	Note minimum	illumination over	r entire surface. Entire surface	(49°%) -		
· ·	e)	Note minimum area.	illumination in re	estricted 2525 Restricted are	(12.5/g)		
	Set	illumination at	minimum.		•	, •	
	f)	Note reading a	nt format center.	MIN ILLUMIN	ATION -		•
	Set	left illumination	n at minimum.	, j		·	
•	g)	Note deviation minimum. (≤	n from previous F100 ft lamberts)	Deviation	· •		
3.23	a)	Note differenc (≤100 ft lam	e between 3.21 k berts)	o) and 3.22 b).	. <u>.</u>		٠.
3.24	Ob	serve light sourc	es for evidence c	of flicker.			
•	a)	Set both at ma	x. Report flicker	, if any.			
	ь)	Set both at mir	nimum. Report fl	icker, if any.	·, <u>·</u>	. / .	
3.25 An	ext	inguish in prope	ng system. Insure r order. 005/06/23 : CIA-RI	•	400030005-5		

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