

To assist further in the understanding of the application of Leeds Test Objects, the following references are cited from:

IPEM Report No.91
Recommended Standards for the Routine Performance Testing of
Diagnostic X-Ray Imaging Systems

LEEDS TEST OBJECT	IPEM Report 91 PAGE No	DETAILS	ref
TOR.CDR	35	Low contrast sensitivity	5.1 CR01
"	43	Low contrast sensitivity	6.1 DDR03
"	43	Limiting spatial resolution	6.1 DDR04
"	87	Limiting spatial resolution	11.1 FLG02
TO.M1	38	Scaling errors	5.1 CR12
"	46	Scaling errors	6.1 DDR11
TOR.MAS and MAX	64	High contrast resolution	8.1 MAM12
"	64	Threshold contrast	8.1 MAM13
"	68	High contrast resolution	8.1 MAM24
"	68	Threshold contrast	8.1 MAM25
TOR.MAS and MAX	62	Relative speed of cassette/screen/film	8.1 MAM06
(PMMA blocks)	62	Film fogging	8.1 MAM07
	62	Standard film density	8.1 MAM08
	63	AEC device consistency	8.1 MAM09
	63	AEC device breast thickness compensation	8.1 MAM11
	64	Mean glandular dose to standard breast	8.1 MAM14
	67	AEC Device breast thickness compensation	8.1 MAM23
TO.GS2	80	Display monitor setup	
TOR.18FG	80	Display monitor setup	10.1 FLU02
"	80	Limiting spatial resolution	10.1 FLU03
"	81	Threshold contrast	10.1 FLU04
"	87	Limiting spatial resolution	11.1 FLG02
TO.E1	82	Video voltage	10.1 FLU08
TO.10	83	Threshold contrast	10.1 FLU10
TO.MS1	84	Image resolution uniformity	10.1 FLU11

LEEDS TEST OBJECT	IPEM Report 91 PAGE No	DETAILS	ref
TO.20	89	Threshold contrast	11.1 FLG06
TO.DR	89	Dynamic range	11.1 FLG07
TO.Q3	89	Dynamic range	11.1 FLG07
TO.D3	90	Pixel mis-registration	11.1 FLG08
Beam alignment jig	17	x-ray/light beam alignment	3.1 RAD01
Hüttner resolution pattern	35	Limiting spatial resolution	5.1 CR05
"	38	Limiting spatial resolution	5.1 CR11
"	43	Limiting spatial resolution	6.1 DDR04
"	45	Limiting spatial resolution	6.1 DDR09
"	83	Limiting spatial resolution	10.1 FLU09
"	88	Limiting spatial resolution	11.1 FLG05
Type 18UL Hüttner	76	Limiting spatial resolution (Intra-oral digital systems)	9.1 DEN15
Threshold contrast	37	Threshold contrast detail detectability	5.1 CR09
detail test object	45	Threshold contrast detail detectability	6.1 DDR08
TOR.DEN	72	Overall check of film processing	9.1 DEN03

Copies of the report can be obtained from:

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