

CAMERA CALIBRATION CERTIFICATE

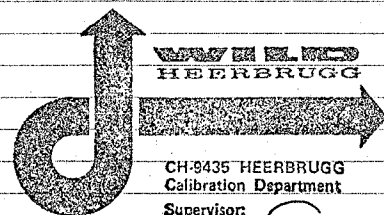
CAMERA TYPE : RC10

LENS TYPE : 15/4 UAG

LENS NO. : 13018

CALIBRATION DATE : 14.05.85

WILD HEERBRUGG LTD



CH-9435 HEERBRUGG
Calibration Department

Supervisor: 

CAMERA CALIBRATION

CAMERA: RC10 LENS: 15/4 UAG NO.: 13018 CALIBRATION DATE: 14.05.85

APERTURE : F / 4.0
 FILTER ON GONIOMETER : VIS (400 - 700 NM)
 FILTER ON CAMERA : --
 CALIBRATED FOCAL LENGTH : 153.37 MM

RADIAL DISTORTION (MICROMETERS)

 REFERRED TO PRINCIPAL POINT OF SYMMETRY (PPS)
 (POSITIVE VALUES DENOTE IMAGE DISPLACEMENT AWAY FROM CENTER)

RADIUS μm	SEMI - DIAGONALS				MEAN
	1	3	2	4	
10	1.3	0.1	0.6	0.1	0.5
20	1.6	0.0	1.3	0.6	0.8
30	1.0	0.5	1.1	0.5	0.7
40	1.2	0.8	1.3	1.0	1.0
50	1.6	0.3	1.4	0.7	1.0
60	1.0	0.7	1.8	0.7	1.0
70	1.1	1.0	1.1	1.3	1.1
80	0.7	1.5	1.1	1.6	1.2
90	1.5	1.7	1.0	2.0	1.5
100	0.2	1.5	1.1	2.1	1.2
110	-0.1	1.3	0.6	2.4	1.0
120	-1.0	-0.3	-0.7	1.4	-0.1
130	-1.8	-1.5	-0.9	-0.1	-1.0
140	-3.1	-3.3	-1.2	-2.6	-2.5
148	-2.6	-4.9	-0.3	-3.4	-2.8

PHOTOGRAPHIC RESOLUTION (LINE PAIRS PER MILLIMETER)

INTERNATIONAL 3-LINE TEST-CHART, CONTRAST (LOG) : 2.0

APERTURE : 4.0

FILTER : 450 NM

FILM : AGFAPAN 25 PROFESSIONAL (ASA SPEED: 25)

DEVELOPER : AGFA-GEVAERT STUDIOLAN LIQUID 1:15 6 MIN

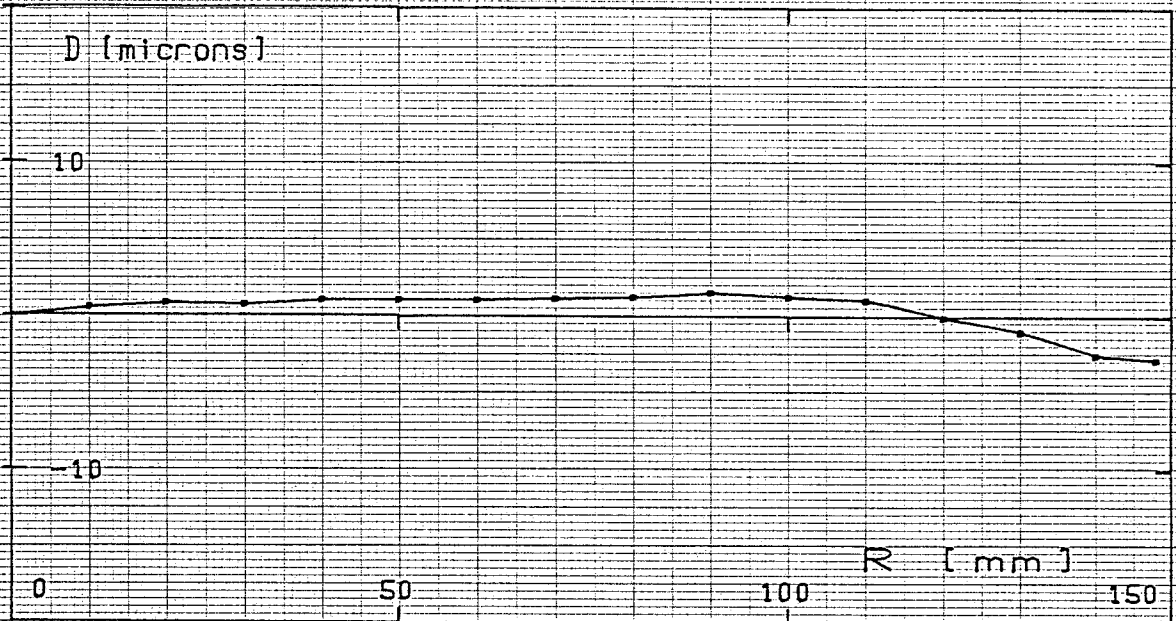
ANGLE:	0	5	10	15	20	25	30	35	40	45
(DEGREES)										
RAD.	67	67	83	81	79	76	73	77	57	38
TANG.	67	67	65	62	59	69	63	71	55	33

AWAR (AREA WEIGHTED AVERAGE RESOLUTION) IN LP/MM : 68

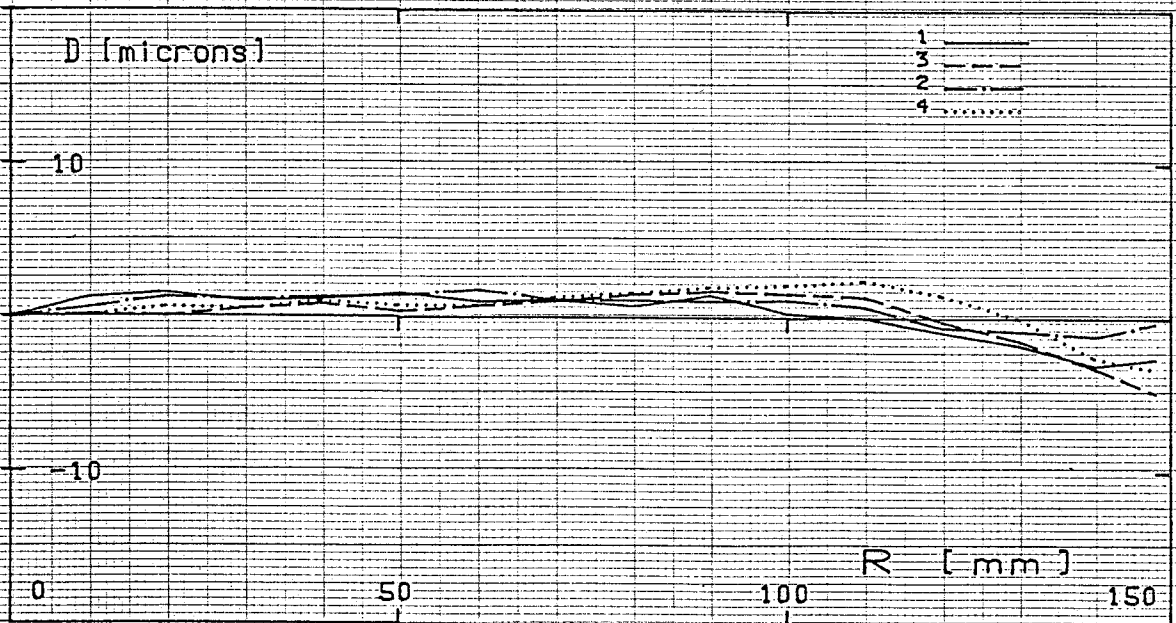
RC10 15/4 UAG NO. 13018

14.05.85

APERTURE : F / 4.0
FILTER ON GONIOMETER : VIS (400 - 700 NM)
FILTER ON CAMERA : --
C.F.L. : 153.37 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS REFERRED TO PPS