

Brive metingen -

D13-27

p

Jh. Wassenaar RE,

THE UNDERSIGNED AGREE TO

RELEASE FOR TRANSFERRED
PRODUCTION (BRIVE)

OF INSTRUMENT CATHODE-RAY TUBE

TYPE D13-27...

NAME

DEPARTMENT

SIGNATURE

Mr. Modderman

COMMERCIAL DEPT



Mr. Verhoeven

DEVELOPMENT DEPT

Mr. Radstake

MANUFACTURING DEPT

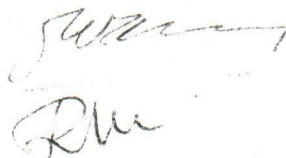
Mr. Bru



Mr. Wassenaar

QUALITY LABORATORY

Mr. Menet



DATE 10.4.1975

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.070

75.4.11

ONDERWERP : Release for transferred production in Brive of types D13-27 and D13-27GH/01

The C.R.T. types D13-27 and D13-27GH/01 made in Brive has been tested in Eindhoven on several parameters according to the F,L and lifetest specification, to come to a "Release for transferred production" in Brive.

Annexed reports give test and measuring results of the above mentioned C.R.T. types.

As can be seen from the results, summarised in report RAR-84/75.070 dated 75-04-10. these types can be given "Release for transferred production" in Brive.

K. Wassenaar,

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ONDERWERP : Release for transferred production D13-27 and D13-27GH/01

- 1) Content: RAR-84/74.145 content test II results batch 1
 /74.152 content test II results batch 2
 /75.067 content test II results
 batch 3 up to and 10(GH)
 batch 2 and 3(GM)
 /75.051 content test II results batch 1(GM)
 /75.065 content test II results batch 1(/01)
- RAR-84/74.180 content L test results batch 1
 /75.047 content L test results batch 2
 /75.063 content L test results batch 3
- 50149 content lifetest results batch 1
 50158 content lifetest results batch 2
 50163 content lifetest results batch 3
- résumé of life test results.

2) Summary of test II results

- a. Batch 1 and 2 received 50 pieces
 measured 50 pieces
 good after repair 31 pieces
 rejected 18 pieces
 1 tube reference for Brive with dirt on
 diaphragm.
 Rejected: 15x dirt on diaphragm.
 3x spotcharging Y
- b. Batch 3 up to and 10
 batch 1 up to and 3(GM)
 batch 1 D13-27GH/01
 Received 931 pieces
 Measured 132 pieces
 rejected 2 pieces
- 1x blanking voltage
 to high
 (already measured in
 Brive but forgotten
 to reject the tube)
 1x scratches repair in
 Eindhoven

In the first 2 batches the tubes had to be rejected
 for dirt on diaphragm and spotcharging Y
 In the last 12 batches none of the batches had to
 be rejected and only 2 tubes were fault.
 After solving the problem in the first 2 batches
 the general impression is very good.

RAR-84/75.070

ONDERWERP :

3) Summary of L-test results

Batch 1: 3x dirt in diaphragm (borderline)
1x stain in powder (borderline)
1x gasvalue rather high
The remaining electrical and mechanical measurements are good.

Batch 2: 1x borderline at mod.Vg1 (but within limits)
1x alignment PDA contact rather high (but within limits)
The remaining electrical and mechanical measurements are good.

Batch 3: 1x deviation of alignment PDA contact rather high but within limits.
1x blanking rather high but within limits
The remaining electrical and mechanical measurements are good.

Remark: The general impression is good.

4) Summary of life test results

Batch 1 The results are satisfactory

Batch 2 a. 0 hours 1 tube modulation too high (after 640 hours good)
b. 1000 hours 2 tubes modulation just outside limits.

Batch 3 The results are satisfactory

Remark: The general impression is good

5) Conclusion

From the results we conclude that there is no objection against release of the C.R.T. type D13-27GH for production and measuring in Brive.

The release of the C.R.T. D13-27GM is possible after life test (5 tubes are needed for this purpose, suitable rejects may be used, to be sent to us by Brive.

G. GeEVERS

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Menet
Varekamp
Wassenaar ✓

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KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/74.145

1

74-29-10

ONDERWERP : D13-27GH release for production batch 1

Received : 26 pieces marked $\frac{KW1}{E4I}$

Measured : 5 pieces

Results : 3x good

1x spotcharging(dirt on diafragma)

1x " " " " borderline good

batch is rejected.

Afterwards 21 pieces measured on spot quality and emission.

Total results: 26 pieces.

18x good

2x spotcharging(dirt on diafragma)

1x spotcharging " (borderline good
return to Brive as reference tube)

1x spot charging Y

4x modulation too high(repair in Eindhoven)

3x spotcharging will be put on life test

5x good will be measured on L-test.

G.Geevers

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RAR 84/74.152

1

6-11-'74

ONDERWERP : Release for production D13-27GH batch 2

Received 24 pieces marked KW1
Good 9 pieces E4J
rejected 13 pieces dirt on diaphragm (return to Brive)
" 2 pieces spotcharging Y (return to Brive)

The packing was not correct

The cardboard assembly of the screenside was placed on the footplate and reverse.

No L-test has been taken.

Two tubes for repair to factory.

After repair both tubes are still bad.

One tube stays in Eindhoven for inquiry.

G. Geevers

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ONDERWERP : Summary of test II results D13-27 of the period
Dec. '74 - April '75

	type	batch nr	received	code	measured	rejected	batch is:
Dec	D13-27GH	3	48	E4K	8	0	good(5x I test)
Jan	D13-27GH	4	55	E4L	20	0	good(5x I test)
Febr.	D13-27GH	5	75	E5A	20	0	good
	D13-27GH	6	70	E5A	20	0	Good
March	D13-27GH	7	180	E5B	20	0	good
	D13-27GM	2	10	E5B	5	0	good
	D13-27GH	8	108	E5C	8	0	good
April	D13-27GM	3	36	E5C	2	0	good
	D13-27GH	9	186	E5C	13	1	good
	D13-27GH	10	120	E5C	8	0	good
			<u>888</u>		<u>124</u>	<u>1</u>	

G. Geevers

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RAR-84/75.051

2-1

75-03-11

ONDERWERP : Release for transferred production D13-27 GM

Batch 1: Received 7 pieces

Measured on test II specifications 7 pieces

Results of screenquality, colourpoint and
brightness values are given on attached sheet.

Conclusion: Test II results are good.

Screen quality is good.

Colour point is good.

Brightness is borderline.

Remark: Colour point: Measured according point 4 test 2
of testshedule: RV 2-1-52/439.

Measuring condition of point 4 test 1

Raster 10 x 10 mm, focus, current 10 uA, Vg2 = 2 KV,
V nav = 4 KV causes burn in of the screen and there-
fore not carried out.

Measuring condition of point 4 test 2

Raster 40 x 40 mm, defocus, current 10 uA, Vg2 = 2 KV,
Vnav = 4 KV

Batch 2: Received 10 pieces

Measured 5 pieces

Test II results are satisfactory.

Screen quality and colour point is equal to the
previous batch (nr 1)

Brightness is also borderline.

Remark: Due to delivery orders of the commercial Department
the burning in and life test will be measured on a
sample from a larger batch.

G. Geervers

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Gegevens

Buistype D 13-27 PM.

Proefnr.

Cod. nr. poeder

Fabr. dat.

Opmerkingen

10 productie Brinc.

Meting helderheid

Held. in NIT

Buisnr. 2 kv 4 kv 6 kv 8 kv

1	26.7.	16.5
2	27.4.	17.8.
3	30.4.	20.5.
4	25.8.	16.9.
5	26.4.	17.8.
X	26.9.	17.9.
R	6.6.	40.
Eis min	27	18.
Eis max		

Schermkwaliteit

Buisnr.	
1	some stain, good.
2	"
3	"
4	"
5	"

Nalichten blauw-geel

Nalichttijd in m. sec.

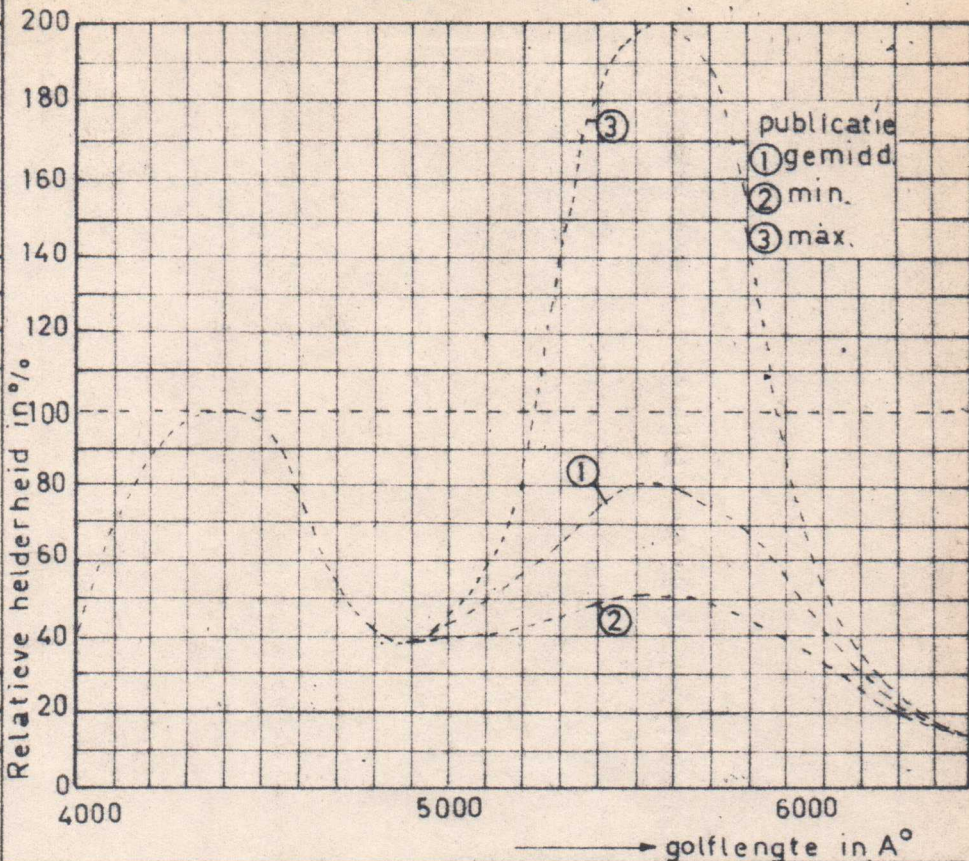
Buisnr. 10% 1% 0.1%

1			
2			
3			
4			
5			
X			
R			
Eis min	0 20	2 700	10 4000
Eis max	2 250	25 4000	250 30000

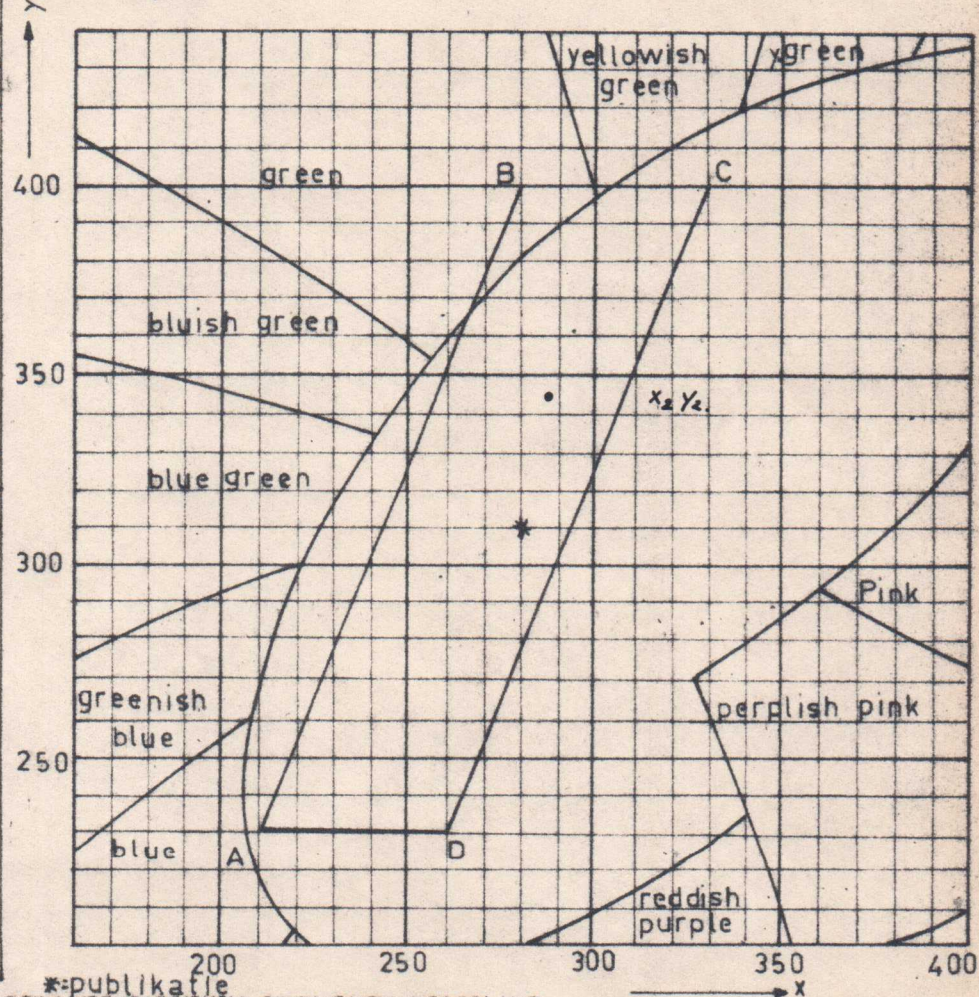
Kleurpunt 2 kv - 4 kv

Buisnr.	X1	Y1	X2	Y2
1			0.286	0.357.
2			0.281	0.342
3			0.290.	0.339.
4				
5				
X			0.286	0.246.
R			0.009	0.018.
Eis min				
Eis max				
coörd.	A	B	C	D
X	0,210	0,280	0,330	0,260
Y	0,230	0,400	0,400	0,230

Spectrale energie verdeling



kleurpunt



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KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.065

1

75-04-07

ONDERWERP : Release for transferred production . D13-27GH/01
batch 1

Received: 36 pieces

Measured: 2 pieces

Good : 2 pieces

Conclusion: Batch is good.

Remark 1: The value of the electrical and mechanical measurements of Brive noted on the included testsheets are about the same as the values measured in Eindhoven.

Remark 2: We inspected the values noted in Brive on the testsheets of each tube.
Of one tube no value was given for test 32 alignment PDA contact/internal graticule.

We measured this value and completed the testsheet.
The tube is delivered to the store.
Of another tube a value was given for test 17
Blanking voltage of + 66.9V
This value corresponds with the measurements of Eindhoven but is outside the limits(58V max)

This tube must be rejected(already in Brive).

The tube will be sent back to Brive.

G.Geevers

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KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/74.180

11-1

74-12-10

ONDERWERP : Release for transferred production D 13-27 GH batch 1
Results L-test and life test.

Batch nr 1

Test results are given on attached sheets.

no 2 up to and 8 incl. L-test sheets

no 9 up to and 11 incl. life test sheets

Conclusion

o hours results: 3 tubes have dirt in diaphragm.(borderline)
1 tube has stains in powder(borderline)
1 tube gasvalue rather high.

The remaining electrical and mechanical
measurements are good.

1000 hours: The results are satisfactory.

See also RAR-84/74.145

G.Geevers.

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RAB-84/79180 stad 3
 Dis-299H

STEMPEL:			ONTVANGEN OP:			VOOR:			GEZIEN:					
1/2	1/4	1/8	1/2	1/4	1/8	1/2	1/4	1/8	1/2	1/4	1/8	1/2	1/4	1/8
(V=)	(V=)	(V=)	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj
			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
			for	for	for	for	for	for	for	for	for	for	for	for
			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
			3	3	3	3	3	3	3	3	3	3	3	3
			line	line	line	line	line	line	line	line	line	line	line	line
			0	0	0	0	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0	0	0	0	0
			5 JV											
deflection (mm)			Deflection factors			Pin-cushioning			Roughness			Roughness		
METING			Ecc. diff. feet			Roughness			Roughness			Roughness		
Remark (T)			5-11-12-15-54			12-17-54			1-25			11-22-42-46		
Drawing			A1			A1			A1			A1		
1 44 +1 +3.5 +5			10.9			10.9			10.9			10.9		
2 61 +1 0 -10			11.4			11.4			11.4			11.4		
3 51 -1 0 -10			10.95			10.95			10.95			10.95		
4 31 -0.5 -0.5 -5			11.15			11.15			11.15			11.15		
5 65 -8 0 -10			11.2			11.2			11.2			11.2		
-8.5 +0.6 -6			11.12			11.12			11.12			11.12		
4 4 15			0.5			0.5			0.5			0.5		
MIN.			89			89			89			89		
MAX			91			91			91			91		
MIN														
MAX														
R MAX														
MIN														
MAX														
EISEN														
EENHEDEN			mm			mm			mm			mm		
CONCLUSIE														

(T) Acc = RV 6-B-0/102.

RAA-04/7480 blad 4

D13-299H/

STEMPEL:		ONTVANGEN OP:				VOOR:				GEZIEN:				
V_1	(V_1)	$b,3$	$b,3$	$b,3$	$b,3$	$b,3$	$b,3$	$b,3$	$b,3$	$b,3$	$b,3$	$b,3$	$b,3$	$b,3$
V_2	(V_2)	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj
V_3	(V_3)	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$
V_4	(V_4)	for	for	for	for	for	for	for	for	for	for	for	for	for
V_5	(V_5)	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$	$1,5$
V_6	(V_6)	3	3	3	3	3	3	3	3	3	3	3	3	3
V_7	(V_7)	R	R	R	R	R	R	R	R	R	R	R	R	R
V_8	(V_8)	$30x30$	$30x30$	$30x30$	$30x30$	$30x30$	$30x30$	$30x30$	$30x30$	$30x30$	$30x30$	$30x30$	$30x30$	$30x30$
I_1	(I_1)	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$
I_2	(I_2)	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$	$2,5$
	METING	I_4	I_4	Blind mod. Mod	I_2	I_2	I_2	I_2	I_2	I_2	I_2	I_2	I_2	I_2
	Remark. (T)	A_1	A_1	Current V_1	A_1	A_1	A_1	A_1	A_1	A_1	A_1	A_1	A_1	A_1
	aanwijzing	44	355	0	44	44	44	44	44	44	44	44	44	44
		$2,61$	$2,55$	0	39	41	42	42	42	42	42	42	42	42
		$3,57$	$2,40$	0	88	26	42	42	42	42	42	42	42	42
		$4,31$	$2,86$	0	42	44	45	45	45	45	45	45	45	45
		$5,65$	$2,95$	0	40	26	44	43	43	43	43	43	43	43
	\bar{x}	$2,81$	$2,72$	0	41	27	42	42	42	42	42	42	42	42
	R	40	41	0	6	2	$1,2$	$2,2$	$2,2$	$2,2$	$2,2$	$2,2$	$2,2$	$2,2$
	MIN													
	MAX.													
	\bar{x} MIN													
	\bar{x} MAX.													
	R MAX.													
	MIN													
	MAX													
	EISEN													
	EENHEDEN													
	CONCLUSIE:													

(T) = See RA 6-3-0/4a2.

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RARE-DY/7100 blad 5

D13-2794.

STEMPEL:			ONTVANGEN OP:			VOOR:			GEZIEN:				
V _F	(V ⁻)	6,3	6,3	6,3									
V ₀₁	(V ⁺)	adv	adv	adv	6,3							6,3	
V ₂₉₁	(W ⁻)	1,5	1,5	1,5	adv							adv	
V ₀₄	(V ⁻)	fc	fc	fc	1,5							1,5	
V ₀₅	(W ⁺)	1,5	1,5	1,5	adv							fc	
V ₀₇	(W ⁻)	8	8	8	1,5							1,5	
V _{11,12}	(V ⁺)	R	R	R	8							8	
V _{11,12}	(V ⁻)	40x40	40x40	40x40	0							R	
I _x	(AR)	40x40	40x40	40x40	0							10x10	
I _g	(NR)	40	40	40	3/am ²							5	
METING		Brightness										Binn.	
Remark (T/)		9p	9M	9M	9p	9M	9M	9M	9p	9M	9M	9M	9p
Diagram		1-31	1-31	1-31	44	44	44	44					1
BUISNUMMER		AI	AI	AI									AI
		1	44	858									None
		2	61	894									"
		3	57	400									"
		4	81	328									"
		5	68	422									"
				890									"
				54									"
				35									"
				20									"
		MIN.											
		MAX.											
		MIN.											
		MAX.											
		R											
		MIN.											
		MAX.											
		EISEN		cd/m ²	cd/m ²	ad/m ²							
		EENHEDEN		cd/m ²		ad/m ²		ad/m ²					
CONCLUISIE:													
CONTRÖLE - CONTOLE													
KONTROLLE - TEST													
		Voorlopig											
		L											
CODE Nr.		D13-2794.											
TYPE													
PAR PAR SIGN													
BLADEN BLÄTTER FEUILLES SHEETS													
BLAD BLATT FEUILLE SHEET		362-4											

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

(T) = Acc. RW-6-3-a/402.

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RAR-24/24100 blad 6.
D13-279H.

STEMPEL:		ONTVANGEN OP:			VOOR:			GEZIEN:			
V _c	(V _c ²)	6.3	6.3	6.3	up	left	left	left	left	left	left
V _g	(V _g ²)	ayj	ayj	ayj	up	left	left	left	left	left	left
V _g 293	(V _g ²)	1.5	1.5	1.5	up	left	left	left	left	left	left
V _g 4	(V _g ²)	for	for	for	up	left	left	left	left	left	left
V _g 5	(V _g ²)	1.5	1.5	1.5	up	left	left	left	left	left	left
V _g 7	(V _g ²)	3	3	3	up	left	left	left	left	left	left
V _g 8	(V _g ²)	R	R	R	up	left	left	left	left	left	left
V _g 9	(V _g ²)	Ro	Ro	Ro	up	left	left	left	left	left	left
V _g 10	(V _g ²)	h	h	h	up	left	left	left	left	left	left
METING		X	Y	X	up.	left	left	left	left	left	left
REMARKS (T)		1-11-33-55-61	1-11-33-61-65	1-11-33-61-62							
ALIGRAM.		A1	A1	A1							
BUISNUMMER		1 44 0.23	0.23	0.23	0.27	0.27	0.26	0.26	0.25	0.25	0.25
		2 61 0.22	0.24	0.24	0.39	0.62	0.43	0.37	0.29	0.27	0.27
		3 51 0.22	0.24	0.24	0.35	0.43	0.32	0.30	0.26	0.26	0.26
		4 31 0.24	0.26	0.26	0.27	0.33	0.28	0.28	0.28	0.28	0.28
		5 65 0.22	0.23	0.23	0.27	0.35	0.24	0.31	0.26	0.26	0.26
			0.23	0.24	0.31	0.40	0.24	0.30	0.26	0.26	0.26
			0.02	0.03	0.08	0.55	0.03	0.11	0.05	0.05	0.12
EISEN		MIN									
		MAX	0.33	0.33							
EENHEDEN		X MIN									
		X MAX									
		R MIN									
		R MAX									
CONCLUSIE											

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RAR-84/14100 blad 7.

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D13-2994.

STEMPEL:		ONTVANGEN OP:					VOOR:					GEZIEN:									
Ve	(V ^o)	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Ma	(V ^o)	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
V293	(V ^o)	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
V4	(V ^o)	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
V5	(V ^o)	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
V7	(V ^o)	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
V12	(V ^o)	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
V122	(V ^o)	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Visol	(V ^o)	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Ige	(MA)	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
METING		+4/F	-K/4A	Tumulatio.		Capacitance		Substrats:		Apor. 2909 - 2909		11053		11053		11053		11053		11053	
Remando (U)		86	86	I	II	III	IV	9/100	4/100	1/100	1/100	1/100	1/100	1/100	1/100	1/100	1/100	1/100	1/100	1/100	1/100
diagram		AR.	AR.																		
BUSNUMMER		1 44	2 61	3 51	4 31	5 63		460	470	490	460	465	469	030	4,5	6,5		4,25	2,5		
EISEN		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
EENHEDEN		MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
CONCLUSIE		362-6.																			

(T) = Dec 1963-0/402.

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RAR-04/24180 blad. 8

D 13-299H

GEZIEN:

VOOR:

ONTVANGEN OP:

STEMPEL:

METING

Remark (T)
Diagram

BUISNUMMER

1	44	380	197	133.3	125.5	50.9	14.3	83.1	900
2	61	645	194	132.8	124.7	50.5	14.1	84.5	"
3	51	660	197	132.9	125.4	50.4	12.3	87.2	"
4	21	350	195	133.2	123.8	50.8	14.2	84.4	"
5	63	380.5	198	133	124.9	51.0	13.8	86.2	"
\bar{x}		362	196.2	133.0	124.9	50.7	13.7	85.1	
R		0.5	4	0.5	1.7	0.6	2.0	8.1	
MIN		822	185	132	114	50		32	
MAX		384	205	134		58	10.5	88	

EISEN
S P 5 STUKS
100%

EENHEDEN
MIN MAX
MIN MAX
MIN MAX

CONCLUSIE

CONTROLE - CONTROLE
KONTROLLE - TEST

Voorlopig

CODE N.
TYPE

BLADEN
BLATTER
FEUILLES
SHEETS

BLAD
BLATT
FEUILLE
SHEET

363-1

D 13-299H

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

(T) doc = RAB-3-0/402

ONDERWERP : Release for transferred production D13-27GH batch 2
L-test and lifetest results

1) Contents:

Test results given on attached sheets

Sheet no 2 up to and 8 give L-test results

Sheet no 9 up to and 11 give life test results

2) Summary of results

a) L-test results

1. 1 tube borderline case at mod. V_{g1} (but within limits)
2. 1 tube alignment PDA contact rather high (but within limits)
3. The other electrical and mechanical measurements are satisfactory

b) Life test results

1. 0 hours
1 tube modulation too high (after 640 hours good)
2. 1000 hours
2 tubes modulation just outside of limits.

3) Conclusion

The total results are satisfactory

G. GeEVERS

Copy Messrs.: Dechering
Menet
Varekamp
Wassenaar

RAL-84/75047 Rad.3.
 D13-299H

STEMPEL:		ONTVANGEN OP:										VOOR:				GEZIEN:	
№	(V=)	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	
1/2	(V=)	adv	adv	adv	adv	adv	adv	adv	adv	adv	adv	adv	adv	adv	adv	adv	
1/4	(V=)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
1/8	(V=)	for	for	for	for	for	for	for	for	for	for	for	for	for	for	for	
1/16	(V=)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
(K=)	(V=)	0	line	read	line	line	line	adv	line	line	line	line	line	line	line	line	
(K=)	(V=)	0	line	line	line	line	line	line	line	line	line	line	line	line	line	line	
(K=)	(V=)	0	line	line	line	line	line	line	line	line	line	line	line	line	line	line	
(K=)	(V=)	0	line	line	line	line	line	line	line	line	line	line	line	line	line	line	
(K=)	(V=)	0	line	line	line	line	line	line	line	line	line	line	line	line	line	line	
(K=)	(V=)	0	line	line	line	line	line	line	line	line	line	line	line	line	line	line	
(K=)	(V=)	0	line	line	line	line	line	line	line	line	line	line	line	line	line	line	
(K=)	(V=)	0	line	line	line	line	line	line	line	line	line	line	line	line	line	line	
(K=)	(V=)	0	line	line	line	line	line	line	line	line	line	line	line	line	line	line	
(K=)	(V=)	0	line	line	line	line	line	line	line	line	line	line	line	line	line	line	
METING		5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
Remand (T)		11-12	11-13														
Ouvring		A1	A1														
BIJZUMMER		1	2	3	4	5											
MIN		1.50	1.50	11.30	23.35	23.35	23.35	23.35	23.35	23.35	23.35	23.35	23.35	23.35	23.35	23.35	
MAX		-2.5	-2.0	11.25	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.45	
MIN		3.63	-0.5-1.5	0	11.60	23.95	23.95	23.95	23.95	23.95	23.95	23.95	23.95	23.95	23.95	23.95	
MAX		4.54	+0.5-0.5	0	10.75	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	
MIN		5.168	-0.1-0.4-0.5	0	11.15	24.25	24.25	24.25	24.25	24.25	24.25	24.25	24.25	24.25	24.25	24.25	
MAX		-0.4	-0.5-2.0	0	11.21	23.88	23.88	23.88	23.88	23.88	23.88	23.88	23.88	23.88	23.88	23.88	
MIN		3	1.5	4.5	0.85	1.88	1.10	0	1.5	1.3	1.0	0.7	1.9	1.5	1.5	1.5	
MAX		8.9	9.1	12.5	12.5	26.5	26.5	0.2	0.45	2	2	2	1.7	1.5	1.5	1.5	
MIN		3	1.5	4.5	0.85	1.88	1.10	0	1.5	1.3	1.0	0.7	1.9	1.5	1.5	1.5	
MAX		8.9	9.1	12.5	12.5	26.5	26.5	0.2	0.45	2	2	2	1.7	1.5	1.5	1.5	
MIN		3	1.5	4.5	0.85	1.88	1.10	0	1.5	1.3	1.0	0.7	1.9	1.5	1.5	1.5	
MAX		8.9	9.1	12.5	12.5	26.5	26.5	0.2	0.45	2	2	2	1.7	1.5	1.5	1.5	
MIN		3	1.5	4.5	0.85	1.88	1.10	0	1.5	1.3	1.0	0.7	1.9	1.5	1.5	1.5	
MAX		8.9	9.1	12.5	12.5	26.5	26.5	0.2	0.45	2	2	2	1.7	1.5	1.5	1.5	
MIN		3	1.5	4.5	0.85	1.88	1.10	0	1.5	1.3	1.0	0.7	1.9	1.5	1.5	1.5	
MAX		8.9	9.1	12.5	12.5	26.5	26.5	0.2	0.45	2	2	2	1.7	1.5	1.5	1.5	
MIN		3	1.5	4.5	0.85	1.88	1.10	0	1.5	1.3	1.0	0.7	1.9	1.5	1.5	1.5	
MAX		8.9	9.1	12.5	12.5	26.5	26.5	0.2	0.45	2	2	2	1.7	1.5	1.5	1.5	
MIN		3	1.5	4.5	0.85	1.88	1.10	0	1.5	1.3	1.0	0.7	1.9	1.5	1.5	1.5	
MAX		8.9	9.1	12.5	12.5	26.5	26.5	0.2	0.45	2	2	2	1.7	1.5	1.5	1.5	

CONCLUSIE
 362-2.
 D13-299H
 N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.
 (T) Lec = RV 6-3-0/102.

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RR-84/95047 blad 5

D13-299H.

STEMPEL:		ONTVANGEN OP:		VOOR:		GEZIEN:	
1/2	(V=)	6.3	6.3	6.3	6.3	6.3	6.3
1/4	(V=)	act	act	act	act	act	act
1/8	(W=)	1.5	1.5	1.5	1.5	1.5	1.5
1/16	(V=)	act	act	act	act	act	act
1/32	(W=)	1.5	1.5	1.5	1.5	1.5	1.5
1/64	(W=)	8	8	8	8	8	8
1/128	(V=)	R	R	0	0	line	R
1/256	(V=)	40 x 40	40 x 40	40 x 40	40 x 40	patent	10 x 10
1/512	(AA)	10	10	10	10		5
1/1024	(MA)	10	10	3/ann		Bj.V.	5
METING		Brighteners		afwerpen.		cleansing	
1	150	9P	9H	9P	9H	9P	9H
2	153	1-31	1-31	44	44	44	44
3	153	AI	AI				
4	154	AI	AI				
5	160	AI	AI				
BUISNUMMER		42.4	53.2				
		57.2	42.4				
		50.6	49.9				
		50.0	55				
		20					
EISEN:		MIN.		MAX.		MIN.	
		MAX.		MIN.		MAX.	
		MIN.		MAX.		MIN.	
		MAX.		MIN.		MAX.	
5 P. 5 STUKS		MIN.		MAX.		MIN.	
		MAX.		MIN.		MAX.	
EENHEDEN		ca/ m ²		ca/ m ²		ca/ m ²	
		ca/ m ²		ca/ m ²		ca/ m ²	
CONCLUSIE:							

4

(1) / Merk 22.

362-4

(7) = Acc RR-6-3-0/402.

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RAL-04/1957 Mad 6

D 13-29 94.

GEZIEN:

VOOR:

ONTVANGEN OP:

STEMPEL:

1/2 (V=)

1/4 (V=)

1/2 (V=)

1/4 (V=)

1/2 (V=)

1/4 (V=)

1/2 (V=)

1/4 (V=)

1/2 (V=)

1/4 (V=)

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1/4 (V=)

1/2 (V=)

1/4 (V=)

1/2 (V=)

1/4 (V=)

1/2 (V=)

1/4 (V=)

CONTROLE - CONTROLE
KONTROLLE - TEST

Voorlopig

CODE N.
TYPE

210-2794

N.V. PHILIPS GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

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RAR-04/75047 - Blad 3

Dis-2994.

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		STEMPEL:			ONTVANGEN OP:			VOOR:			GEZIEN:						
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Vc	(V:)																
Vg	(V:)																
Vg2g3	(V:)																
Vg4	(V:)																
Vg5	(V:)																
Vg7	(V:)																
Vg112	(V:)																
Vg1122	(V:)																
Visol	(V:)	220	150	500	500	500	300	300	500								
Igr	(MA)																
METING																	
Remarke (U)		14/f	86	86	86	37	37	37	37	37	37	37	37	37	37	37	37
diagram																	
BUISNUMMER		1	150	01	02	03	03	03	04	04	04	04	04	04	04	04	04
		2		02	02	03	03	03	04	04	04	04	04	04	04	04	04
		3	153	02	02	03	03	03	04	04	04	04	04	04	04	04	04
		4	174	02	02	03	03	03	04	04	04	04	04	04	04	04	04
		5	168	09	08	04	04	04	04	04	04	04	04	04	04	04	04
				03	03	03	03	03	03	03	03	03	03	03	03	03	03
				08	06	01	02	02	10	04							
EISEN		MIN.															
		MAX.	25	25	5	5	5	5	5	5	5	5	5	5	5	5	5
S p 5 STUKS		MIN.															
		MAX.															
EENHEDEN			MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
CONCLUSIE																	

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R.A.C. 24/15047 blad 8.

D 13-299H.

STEMPEL:		ONTVANGEN OP:		VOOR:		GEZIEN:	
<p>TEK. KONTROL.</p> <p>KONTROL. EISEN.</p> <p>BIA. KONTROL.</p> <p>KONTROL. NEDERLAND.</p>		<p>BIA. MEK.</p> <p>KONTROL. NEDERLAND.</p> <p>RECHT. KONTR.</p> <p>RECHT. KONTR.</p>		<p>KONTROL. KONTR.</p> <p>RECHT. KONTR.</p> <p>RECHT. KONTR.</p>		<p>RECHT. KONTR.</p> <p>RECHT. KONTR.</p> <p>RECHT. KONTR.</p>	
<p>METING</p> <p>Remark (7) diagram.</p> <p>BUISNUMMER</p> <p>1 150 322,5 192,5 132,2 123,5 50,6 14,0 36,5 Good</p> <p>2 328,5 192,5 132,6 123,5 50,9 14,0 34,8</p> <p>3 153 329,5 191,5 132,8 124,9 50,9 12,5 35,3</p> <p>4 154 328 191,0 132,4 123,0 50,5 14,5 36,5</p> <p>5 160 328 191,0 132,4 124,2 50,9 14,0 35,5</p>		<p>EISEN</p> <p>MIN. 822 185 132 114 50 38 10,5 38</p> <p>MAX. 384 205 134</p> <p>5 P. 5 STUKS</p>		<p>BLADEN BLATTER FEUILLES SHEETS</p> <p>BLAD BLATT FEUILLE SHEET</p>		<p>CONCLUSIE</p> <p>363-1</p>	
<p>CONTROL - CONTROLE</p> <p>KONTROLLE - TEST</p> <p>Voorlopig</p>		<p>CODE Nr.</p> <p>TYPE</p> <p>D13-299H</p>		<p>N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.</p>			

(7) See = RW 6-3-0/102.

ONDERWERP : Release for transferred production D13-27GH batch 3
L-test and life test results.

1. Contents

Test results are given on attached sheets.

Sheet no 2 up to and 8 give L-test results
Sheet no 9 up to and 11 give life test.

2. Summary of results

a) L-test results

- 1 1 tube deviation of alignment PDA contact rather high but within limits.
- 2 1 tube blanking rather high but within limits.
- 3 The other electrical and mechanical measurements are satisfactory.

b) Life test results

The results are satisfactory.

3. Conclusion

The total results are satisfactory.

G. Geevers

Copy Messrs.: Dechering
Menet
Varekamp
Wassenaar

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RAR-24/195063 *Blad 1.*

D 13-279H

METING	STEMPEL			ONTVANGEN OP			VOOR			GEZIEN		
	1/2	1/4	1/8	1/2	1/4	1/8	1/2	1/4	1/8	1/2	1/4	1/8
(V=)	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
(V=)	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj
(KV=)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
(V=)	for	for	for	for	for	for	for	for	for	for	for	for
(KV=)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
(KV=)	3	3	3	3	3	3	3	3	3	3	3	3
(V=)	R	R	R	R	R	R	R	R	R	R	R	R
(V=)	10	100	100	100	100	100	100	100	100	100	100	100
(VA)	10	100	100	100	100	100	100	100	100	100	100	100
(VA)	10	100	100	100	100	100	100	100	100	100	100	100
glas												
erro.												
Remerk. (T)												
drawing												
173 None												
2198												
3220												
4227												
5222												
X												
R												
MIN												
MAX												
X												
X												
R												
MIN												
MAX												
EISEN												
S P 5 STUKS												
100%												
EENHEDEN												
CONCLUSIE												

CONTROLE - CONTROLE
KONTROLLE - TEST

Voorlopig

CODE N°
TYPE

D13-279H

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

362-1

(T) = Acc RNB-3-0/402

RAR-84/95063 Had 3

D13-299H

STEMPEL		ONTVANGEN OP				VOOR				GEZIEN							
Vf	(Vf)	b,3	b,3	b,3	b,3	b,3	b,3	b,3	b,3	b,3	b,3	b,3	b,3	b,3	b,3		
Vg	(Vf)	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj		
Vg2g3	(Vf)	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5		
Vg4	(Vf)	for	for	for	for	for	for	for	for	for	for	for	for	for	for		
Vg5	(Vf)	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5		
Vg7	(Vf)	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
V4, Y2	(Vf)	0	line	head	line	line	line	line	line	line	line	line	line	line	line		
V4, X2	(Vf)	0	line	line	line	line	line	line	line	line	line	line	line	line	line		
I4	(A4)																
I97	(A4)	SJV	1	1	1	1	1	1	1	1	1	1	1	1	1		
deflection (mm)																	
METING		Beam. angle		Deflection factor		Ecc. defl. fact		Rincursivity		Pin-cusching		Maxwell seam		Ractostat.		Base alignment	
Remont (T)		Y X spaces		Y1 Y2 X1 X2		Y1 Y2 X1 X2		Y1 Y2 X1 X2		X0		X X X X		X X X X		X X X X	
Aanwijzing		A1 A1		A1		A1		A1		A1		A1		A1		A1	
BUISNUMMER		1 123		2 198		3 220		4 227		5 222		39		38		39	
EISEN		MIN		MAX		MIN		MAX		MIN		MAX		MIN		MAX	
EENHEDEN		mm		mm		mm		mm		mm		mm		mm		mm	
CONCLUSIE		12,5		12,5		12,5		12,5		12,5		12,5		12,5		12,5	

CONCLUSIE

362-2

D13-299H

N.V. PHILIPS GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

(T) Acc = RV 6-B-0/102.

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PAR-84/25063 Mod. 5

D13-2794

STEMPEL:		ONTVANGEN OP:		VOOR:		GEZIEN:	
VF	(V=)	6.3	6.3	6.3	6.3	6.3	6.3
Vq1	(V=)	adv	adv	adv	adv	adv	adv
Vq2	(KV=)	1.5	1.5	1.5	1.5	1.5	1.5
Vq4	(V=)	fcc	fcc	fcc	fcc	fcc	fcc
Vq5	(KV=)	1.5	1.5	1.5	1.5	1.5	1.5
Vq7	(KV=)	3	3	3	3	3	3
Vq12	(V=)	R	R	R	R	R	R
Vq12A	(V=)	40x40	40x40	40x40	40x40	40x40	40x40
Iq	(AA)	10	10	10	10	10	10
Iq1	(MA)	10	10	10	10	10	10
METING		Brightness		afwerking		clayring	
Remark (T)		90	94	90	94	90	94
Diagram		1-31	1-31	44	44	44	44
BUISNUMMER		A1	A1	A1	A1	A1	A1
		173	45.4				
		2190	42.2				
		320	44.2				
		4227	44.5				
		5222	44.8				
		X	44.2				
		R	3.2				
		MIN	35				
		MAX	20				
EISEN		S P 5 STUKS		Note		Note	
EENHEDEN		cd/m ²		ad/m ²		ad/m ²	
CONCLUSIE		362-4					

D13-2794

(T) = see RW-6-3-0/402.

CONTROLE - CONTROLE KONTROLLE - TEST			STEMPEL:			ONTVANGEN OP:			VOOR:			GEZIEN:			D13-279H.																																																														
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<p>REMARKS (T) 1-11-53-55-61 1-11-53-61-65</p> <p>Waglam. A1</p>			<p>linewicht.</p> <p>X</p>			<p>linewicht. Y</p> <p>up. up</p>			<p>linewicht. X</p> <p>up down</p>			<p>linewicht. Y</p> <p>up down</p>			<p>linewicht. X</p> <p>up down</p>			<p>linewicht. Y</p> <p>up down</p>																																																											
<p>175 0,22</p> <p>2 190 0,23</p> <p>3 213 0,24</p> <p>4 227 0,22</p> <p>5 222 0,23</p>			<p>0,21</p> <p>0,23</p> <p>0,24</p> <p>0,22</p> <p>0,22</p>			<p>0,41</p> <p>0,40</p> <p>1,17</p> <p>0,69</p> <p>0,70</p> <p>0,74</p> <p>0,64</p>			<p>0,45</p> <p>0,48</p> <p>1,17</p> <p>1,03</p> <p>0,84</p> <p>0,88</p> <p>0,92</p>			<p>0,21</p> <p>0,22</p> <p>0,21</p> <p>0,21</p> <p>0,22</p> <p>0,22</p> <p>0,03</p>			<p>0,21</p> <p>0,22</p> <p>0,21</p> <p>0,21</p> <p>0,22</p> <p>0,22</p> <p>0,03</p>			<p>0,42</p> <p>0,40</p> <p>0,48</p> <p>0,67</p> <p>0,75</p> <p>0,54</p> <p>0,35</p>			<p>0,42</p> <p>0,40</p> <p>0,48</p> <p>0,67</p> <p>0,75</p> <p>0,54</p> <p>0,35</p>			<p>0,26</p> <p>0,30</p> <p>0,25</p> <p>0,26</p> <p>0,26</p> <p>0,05</p>			<p>0,29</p> <p>0,24</p> <p>0,23</p> <p>0,24</p> <p>0,23</p> <p>0,26</p> <p>0,05</p>			<p>0,29</p> <p>0,24</p> <p>0,23</p> <p>0,24</p> <p>0,23</p> <p>0,26</p> <p>0,05</p>			<p>0,26</p> <p>0,30</p> <p>0,25</p> <p>0,26</p> <p>0,26</p> <p>0,05</p>			<p>0,29</p> <p>0,24</p> <p>0,23</p> <p>0,24</p> <p>0,23</p> <p>0,26</p> <p>0,05</p>			<p>0,26</p> <p>0,30</p> <p>0,25</p> <p>0,26</p> <p>0,26</p> <p>0,05</p>			<p>0,29</p> <p>0,24</p> <p>0,23</p> <p>0,24</p> <p>0,23</p> <p>0,26</p> <p>0,05</p>			<p>0,26</p> <p>0,30</p> <p>0,25</p> <p>0,26</p> <p>0,26</p> <p>0,05</p>			<p>0,29</p> <p>0,24</p> <p>0,23</p> <p>0,24</p> <p>0,23</p> <p>0,26</p> <p>0,05</p>			<p>0,26</p> <p>0,30</p> <p>0,25</p> <p>0,26</p> <p>0,26</p> <p>0,05</p>			<p>0,29</p> <p>0,24</p> <p>0,23</p> <p>0,24</p> <p>0,23</p> <p>0,26</p> <p>0,05</p>			<p>0,26</p> <p>0,30</p> <p>0,25</p> <p>0,26</p> <p>0,26</p> <p>0,05</p>			<p>0,29</p> <p>0,24</p> <p>0,23</p> <p>0,24</p> <p>0,23</p> <p>0,26</p> <p>0,05</p>			<p>0,26</p> <p>0,30</p> <p>0,25</p> <p>0,26</p> <p>0,26</p> <p>0,05</p>			<p>0,29</p> <p>0,24</p> <p>0,23</p> <p>0,24</p> <p>0,23</p> <p>0,26</p> <p>0,05</p>			<p>0,26</p> <p>0,30</p> <p>0,25</p> <p>0,26</p> <p>0,26</p> <p>0,05</p>			<p>0,29</p> <p>0,24</p> <p>0,23</p> <p>0,24</p> <p>0,23</p> <p>0,26</p> <p>0,05</p>			<p>0,26</p> <p>0,30</p> <p>0,25</p> <p>0,26</p> <p>0,26</p> <p>0,05</p>		
<p>MIN</p> <p>MAX</p> <p>MIN</p> <p>MAX</p> <p>R</p> <p>MIN</p> <p>MAX</p>																																																																													
<p>EISEN</p> <p>5 P 5 STUKS 100</p>																																																																													
<p>EENHEDEN</p> <p>MIN</p> <p>MAX</p>																																																																													
<p>CONCLUSIE</p> <p>862-5</p>																																																																													

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RAR-24/75063 Blad 8

D13-279H

GEZIEN:

VOOR:

ONTVANGEN OP:

STEMPEL:

METING

Remark (T) Diagram

BUISNUMMER

100%

EISEN

S P 5 STUKS

EENHEDEN

CONCLUSIE

CONTROLE - CONTROLE.
KONTROLLE - TEST

Voorlopig

CODE N°
TYPE

D13-279H

363-1

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

(T) see = RV6-3-0/402.

BUISNUMMER	1	2	3	4	5	\bar{X}	R
MIN	173	190	220	227	222	204	25
MAX	320	329	329	325	320	320	109
\bar{X} MIN	182.7	182.0	182.6	182.9	182.5	182.9	14
\bar{X} MAX	184.6	184.9	184.8	184.2	184.7	184.0	2.2
R	14	0.3	50.5	50.7	16.1	45.2	2.0.

173 320 187 182.7 184.6 50.6 14 35.0

2190 329 109 182.0 184.9 50.9 17 34.8

3220 329 109 182.6 184.8 50.7 13 36.3

4227 325 109 182.9 184.2 50.5 14 35.8

5222 320 190 182.5 184.7 50.7 12.5 36.3

182.9 184.0 45.2 2.0.

182 114 50 32

184 10.5 38

182.9 184.0 45.2 2.0.

182 114 50 32

184 10.5 38

R.A.R. 84/74180

KWALITEITS-LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN
LEVENSDUUR OSCILLOGRAAFBUIZEN

I.	Instellingen brandraam, nr. 15			METEN EN BRANDEN VOORSCHRIFT d.d.: 7-7-70		Type: D13-276H		GEWENSTE LEVENSDUUR: 100000 JUR																
	Buisnr.	pos.	VF	V _{kanon}	V _{g4}	Speciale metingen of wensen:		Afwijking t.o.v. normale productie:																
al d	-Vg1 bij 1,2 μA I _L	-Vg1 bij 1,2 μA I _L	I _k bij 25 μA I _{NAV.}	I _L bij 25 μA I _{NAV.}	I _{nav.} bij MOD. 39V _a	Mod. Vg1 bij 25 μA I _{nav.}	Kat. opp.	I _k bij 25 μA I _{NAV.}	I _L bij 25 μA I _{NAV.}	I _{nav.} bij MOD. 39V _a	Mod. Vg1 bij 25 μA I _{nav.}	Kat. eff.	Gas kruis kwal.	Helderheid	Δ Held. opl.	Scherm opl.	Lek-stroom	Gas	Isolaties				Opmerkingen.	
																			+K/-F	-K/+F	I	III		IV
0 h	32-128	NOT.	NOT.	NOT.	NOT.	48		GEEN	NOT.	240,0			4-15	≤ 34	≤ 25	≤ 3	≤ 3							
1000h																								
nheid	V	V	μA	μA	μA	V				cd/m ²	%	V	μA	nA	μA	μA	μA	μA	μA	μA	μA	μA		
	100	75	535	14	14	53		GEEN	GOED	51,5			6	2	0,2	0,4	0,4	0,4	0,4	0,4	0,4	0,4		
	96	67	425	20	20	44		"	iets	46,0	8,7		6	1	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2		
	96	72	415	24	24	45		"	"	44,8	13,0		5	1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1		
	95	71	415	21	21	45		"	"	43,6	15,3		5	1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1		
	110	90	495	17	17	50		GEEN	GOED	43,6			5	2	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4		
	110	89	325	24	24	40		"	iets	41,9	3,9		5	1	1,0	0,6	0,6	0,6	0,6	0,6	0,6	0,6		
	110	88	375	20	20	50		"	"	40,3	7,6		5	1	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2		
	110	87	425	17	17	50		"	"	40,3	7,6		5	1	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2		
	95	75	325	20	20	40		GEEN	GOED	46,0			4	2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2		
	91	72	300	29	29	37		"	iets	42,6	7,4		4	1	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3		
	90	70	325	28	28	40		"	"	41,6	9,6		4	1	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2		
	91	70	345	23	23	41		"	"	41,0	10,9		4	1	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2		

14 /UA op brandraam 5, V.G.N.

hoge -Vg1

KWALITEITS-LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN
LEVENSDUUR OSCILLOGRAAFBUIZEN

Type : D13-27GH		Instellingen brandraam, nr. 14		METEN EN BRANDEN VOORSCHRIFT d.d.: 7-7-70		Type: D13-27GF		GEWENSTE LEVENSDUUR: 1000Jr.													
Proefnr.: 50163		VF		Vkanon : 1500		Type: D13-27GF		Type: D13-27GF													
Aantal : 5		pos.		Vg4 : -		Type: D13-27GF		Type: D13-27GF													
Datum : 75-02-19		Vnav. : 3		Vg4 : -		Type: D13-27GF		Type: D13-27GF													
Inzender: Qual. lab.		IL : 10		Vg4 : -		Type: D13-27GF		Type: D13-27GF													
Poederp.		Raster : 40 x 40 mm		Vg4 : -		Type: D13-27GF		Type: D13-27GF													
Pompvoorschr.:		V+K/-E : 220		Vg4 : -		Type: D13-27GF		Type: D13-27GF													
Brandvoorschr.:		V-K/+F : V		Vg4 : -		Type: D13-27GF		Type: D13-27GF													
Fabr. datum : Dec. 74.		Geprint/niet gepulst		Vg4 : -		Type: D13-27GF		Type: D13-27GF													
buis nr.	meet- datum	aantal brand uren	-Vg1 bij 10 µA IL	Ik bij 25µA Inav.	Kat. opp.	Ik bij 25µA Inav.	IL bij 39V mod. VG1	Inav. bij 39V mod. VG1	Mod. Vg1 bij 25 µA Inav.	Kap. eff.	Scherm kwal.	Helderheid	Held. Scherm Δ	Held. Scherm oppl.	Lek- stroom	Gas	Isolaties				Opmer- kingen.
																	+K/-F	-K/+F	I	II	
1	75-02-20	0	74	315	⊙	315	µA	19	43	V	goed	42,2	not.	4-15	34	nA	µA	µA	µA	µA	
	75-02-27	160	74	400	⊙	400	µA	20	44	V	matig	40,0	5,2	5	1	1	0,1	0,3	0,1-0,1	0,1-0,3	
	75-03-19	500	74	375	⊙	375	µA	20	45	V	"	40,0	5,2	5	1	1	0,1	0,1	0,2-0,2	0,2-1,0	
	75-04-03	1000	74	380	⊙	380	µA	21	42	V	"	39,7	5,9	5	1	1	0,1	0,1	0,2-0,2	0,2-0,2	
2	0	0	64	300	⊙	300	µA	28	37	V	goed	41,0		5	1	1	0,1	0,1	0,1-0,1	0,2-0,2	
	160	160	64	325	⊙	325	µA	28	37	V	matig	39,7	3,2	5	1	1	0,1	0,1	0,2-0,2	0,2-0,2	
	500	500	64	325	⊙	325	µA	28	37	V	"	37,1	9,5	5	1	1	0,1	0,1	0,2-0,2	0,2-0,2	
	1000	1000	64	300	⊙	300	µA	30	36	V	"	36,5	11,0	5	1	1	0,1	0,1	0,2-0,2	0,2-0,2	
3	0	0	84	290	⊙	290	µA	21	42	V	goed	41,6		7	1	1	0,1	0,1	0,1-0,2	0,2-0,2	
	160	160	83	275	⊙	275	µA	25	40	V	matig	40,0	3,8	7	1	1	0,1	0,1	0,2-0,2	0,2-0,2	
	500	500	83	225	⊙	225	µA	30	37	V	"	38,1	7,7	7	1	1	0,1	0,1	0,2-0,2	0,3-0,5	
	1000	1000	83	260	⊙	260	µA	25	40	V	"	37,4	10,1	7	1	1	0,1	0,1	0,2-0,2	0,2-0,2	
4	0	0	83	245	⊙	245	µA	25	39	V	goed	46,1		7	1	1	0,1	0,1	0,2-0,2	0,2-0,2	
	160	160	83	225	⊙	225	µA	26	37	V	matig	45,1	2,2	7	1	1	0,1	0,1	0,2-0,2	0,2-0,2	
	500	500	83	225	⊙	225	µA	26	37	V	"	43,2	6,3	7	1	1	0,2	0,6	0,2-0,2	0,2-0,9	
	1000	1000	83	225	⊙	225	µA	28	38	V	"	41,6	9,8	7	1	1	0,1	0,1	0,2-0,2	0,2-0,2	
5	0	0	70	325	⊙	325	µA	38	40	V	goed	41,0		10	1	1	0,1	0,1	0,1-0,2	0,2-0,2	
	160	160	71	325	⊙	325	µA	22	44	V	matig	40,0	2,4	10	1	1	0,1	0,2	0,2-0,2	0,2-0,2	
	500	500	70	325	⊙	325	µA	22	42	V	"	38,1	7,1	10	1	1	0,1	0,1	0,2-0,2	0,2-0,3	
	1000	1000	70	350	⊙	350	µA	23	42	V	"	37,4	8,9	10	1	1	0,1	0,1	0,2-0,2	0,2-0,3	
6	0	0			⊙					V											
	160	160			⊙					V											
	500	500			⊙					V											
	1000	1000			⊙					V											

BRIVE BATCH 3.

Afwijking t.o.v. normale productie:

Speciale metingen of wensen:

Type

Meting dd. Eenh. Prøefnr. Scherm Branduren	-Vg1		-Vg1 bij 10 μ A II		Ik bij 25 μ A Inav.		Mod.Vg1 bij 25 μ A Inav.		Inav. bij 39V mod.		Helderh.	Opm.
	V	V	V	V	μ A	μ A	V	V	μ A	μ A	cd/m ²	
	39-128		noteren	noteren	noteren	noteren	≤ 48		noteren	noteren	GH ≥ 40	
	60 80		50 70		200 400		20 40		0 10 20 30	0 10 20 30	40 60	← 5M. ← 5H
9-12-71 15662 5H 160 500 1000												BOEDER. KEURING. 1322 501 6540.1. FL 48/70-13E.
23-12-71 15660 5H/01 160 500 1000												NORM. PROO.
14-2-72 15858 5H/01 160 500 1000												NORM. PROO.
12-4-72 50006 5H 160 500 1000												BOEDER KEURING
12-4-72 50007 5M 160 500 1000												BOEDER KEURING
72-10-12 50041 9M 160 500 1000												BOEDER KEURING. M1 66011-10A.
73-03-21 50069 G-H 500 GM 1000												BRANDBAND PROEF.
73-06-19 50083 GH 160 500 1000												
73-06-19 50084 GH 160 500 1000												NIEUW GH-POEDER.
73-06-19 50085 160 500 1000												POEDER- KEURING HT 417.

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.065

1

75-04-07

ONDERWERP : Release for transferred production D13-27GH/01
batch 1

Received: 36 pieces

Measured: 2 pieces

Good : 2 pieces

Conclusion: Batch is good.

Remark 1: The value of the electrical and mechanical measurements of Brive noted on the included testsheets are about the same as the values measured in Eindhoven.

Remark 2: We inspected the values noted in Brive on the testsheets of each tube.
Of one tube no value was given for test 32 alignment PDA contact/internal graticule.

We measured this value and completed the testsheet.
The tube is delivered to the store.
Of another tube a value was given for test 17
Blanking voltage of + 66.9V
This value corresponds with the measurements of Eindhoven but is outside the limits(58V max)

This tube must be rejected(already in Brive).

The tube will be sent back to Brive.

G.Geevers

Copy to Messrs.: Dechering
Menet
Varekamp
Wassenaar ✓

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ONDERWERP : Release for transferred production D13-27GH batch 2
L-test and lifetest results

1) Contents:

Test results given on attached sheets

Sheet no 2 up to and 8 give L-test results

Sheet no 9 up to and 11 give life test results

2) Summary of results

a) L-test results

1. 1 tube borderline case at mod. Vg1 (but within limits)
2. 1 tube alignment PDA contact rather high (but within limits)
3. The other electrical and mechanical measurements are satisfactory

b) Life test results

1. 0 hours
1 tube modulation too high (after 640 hours good)
2. 1000 hours
2 tubes modulation just outside of limits.

3) Conclusion

The total results are satisfactory

G. Geevers

Copy Messrs.: Dechering
Menet
Varekamp
Wassenaar

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RAE-34/15047 Ned. 2

D 13-279H

STEMPEL:		ONTVANGEN OP:			VOOR:			GEZIEN:		
NMI max		24-12-11			1. zeet			Batol 1.		
METING	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024
(V=)	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
(V=)	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj
(KV=)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
(V=)	for	for	for	for	for	for	for	for	for	for
(KV=)	3	3	3	3	3	3	3	3	3	3
(V=)	R	R	R	R	R	R	R	R	R	R
(V=)	100	100	100	100	100	100	100	100	100	100
(VA)	10	10	10	10	10	10	10	10	10	10
(VA)	10	10	10	10	10	10	10	10	10	10
METING	glas	glas	glas	glas	glas	glas	glas	glas	glas	glas
Remark. (T)	1	1	1	1	1	1	1	1	1	1
drawing	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1
BUSNUMMER	160	160	160	160	160	160	160	160	160	160
2	> 200	> 180	> 180	> 180	> 1700	> 3.3	Good	Good	Good	Good
3	> 200	> 180	> 180	> 180	> 1700	> 3.3	"	"	"	"
4	> 200	> 180	> 180	> 180	> 1700	> 3.3	"	"	"	"
5	> 200	> 180	> 180	> 180	> 1700	> 3.3	"	"	"	"
X	> 200	> 180	> 180	> 180	> 1700	> 3.3	"	"	"	"
R	0	0	0	0	0	0	0	0	0	0
EISEN:	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
5 P. 5 STUKS 100%	X	X	X	X	X	X	X	X	X	X
EENHEDEN	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
CONCLUSIE:	no glasses	no glass sensor	(T) Kennak 5	(T) Kennak 5	(T) Kennak 5	(T) Kennak 5	(T) Kennak 5	(T) Kennak 5	(T) Kennak 5	(T) Kennak 5
PAR	PAR	PAR	PAR	PAR	PAR	PAR	PAR	PAR	PAR	PAR
BLADEN	BLATT	FEUILLES	SHEETS	BLAD	BLATT	FEUILLE	SHEET	BLAD	BLATT	FEUILLE
362-1.	362-1.	362-1.	362-1.	362-1.	362-1.	362-1.	362-1.	362-1.	362-1.	362-1.

(7) = Acc RNB-3-0/102

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RAE-84/75041 Classy
DIS-29941

STEMPEL:		ONTVANGEN OP:					VOOR:					GEZIEN:					
1/2	(V=)	1/4	(V2)	1/8	(KV)	1/16	(V=)	1/32	(KV=)	1/64	(V=)	1/128	(KV=)	1/256	(V=)	1/512	(KV=)
1/2	ayj	ayj	ayj	ayj	ayj	ayj	ayj	ayj	ayj	ayj	ayj	ayj	ayj	ayj	ayj	ayj	ayj
1/4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1/8	for	for	for	for	for	for	for	for	for	for	for	for	for	for	for	for	for
1/16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/32	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
1/64	30x80	30x80	30x80	30x80	30x80	30x80	30x80	30x80	30x80	30x80	30x80	30x80	30x80	30x80	30x80	30x80	30x80
1/128	head	head	head	head	head	head	head	head	head	head	head	head	head	head	head	head	head
1/256	8.5	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h
METING		I _x		I _x		I _x		I _x		I _x		I _x		I _x		I _x	
Remont (T)		A1		A1		A1		A1		A1		A1		A1		A1	
deanning		150		150		150		150		150		150		150		150	
BUSNUMMER		2		3		4		5		6		7		8		9	
EISEN		MIN.		MAX.		MIN.		MAX.		MIN.		MAX.		MIN.		MAX.	
EENHEDEN		mm		mm		mm		mm		mm		mm		mm		mm	
CONCLUSIE		OK		OK		OK		OK		OK		OK		OK		OK	

(T) = See RUB-5-0/402.

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RAB-DY(7507) Had 6
D/3-2794.

STEMPEL:		ONTVANGEN OP:		VOOR:		GEZIEN:	
Vf	(V=)	6.3	6.3				6.3
Vg	(V=)	avg	avg				avg
Vg293	(KV=)	1.5	1.5				1.5
Vg4	(V=)	fr	fr				fr
Vg6	(KV=)	1.5	1.5				1.5
Vg7	(KV=)	3	3				3
Vx	(V=)	R	R				R
Vx	(V=)	ho	ho				ho
Zg7	(R)	h	h				h
METING		X	Y				
		line-waakt.					line-waakt x
				left up	right up.	left up	right down
				left down	right down	left down	right up
Remarke (T)		1-11-33-55-61	1-11-33-61-65				1-11-33-61-68
Diagram.		A1	A1				A1.
BUISNUMMER		1 150 0.23	0.24	0.25	0.26	0.27	0.28 0.29 0.30 0.31 0.32 0.33 0.34 0.35
		2 0.25	0.22	0.25	0.26	0.27	0.28 0.29 0.30 0.31 0.32 0.33 0.34 0.35
		3 153 0.25	0.26	0.24	0.25	0.26	0.27 0.28 0.29 0.30 0.31 0.32 0.33 0.34 0.35
		4					
		5					
		X		0.24	0.25	0.26	0.27 0.28 0.29 0.30 0.31 0.32 0.33 0.34 0.35
		R		0.02.	0.01.	0.04.	0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 0.17 0.18 0.19 0.20 0.21 0.22 0.23 0.24 0.25 0.26 0.27 0.28 0.29 0.30 0.31 0.32 0.33 0.34 0.35
EISEN		MIN		0.24	0.25	0.26	0.27 0.28 0.29 0.30 0.31 0.32 0.33 0.34 0.35
		MAX		0.02.	0.01.	0.04.	0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 0.17 0.18 0.19 0.20 0.21 0.22 0.23 0.24 0.25 0.26 0.27 0.28 0.29 0.30 0.31 0.32 0.33 0.34 0.35
		X MIN					
		X MAX					
		R MAX					
		'MIN					
		MAX					
EENHEDEN		mm	mm	mm	mm	mm	mm
CONCLUSIE							

PAR PAR PAR PAR SIGN
CODE N.
TYPE
BLADEN BLATTER FEUILLES SHEETS
BLAD BLATT FEUILLE SHEET
862.5
D/3-2794
N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.
CT 12 Dec RV. 6-5-0/402.

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RAC-04/35047 bladz. 8

D 13-279H

STEMPEL:	ONTVANGEN OP:	VOOR:	GEZIEN:
<p>METING</p> <p>Remast (T) diagram.</p> <p>BUISNUMMER</p> <p>1 150 327.5 193.5 133.2 123.5 50.6 14.0 85.4 goed</p> <p>2 328.5 192.5 132.6 121.5 50.9 14.0 84.0</p> <p>3 153 329.5 191.5 132.8 121.9 50.9 12.5 85.3</p> <p>4 154 328 191.0 132.4 123.0 50.5 14.5 86.5</p> <p>5 160 328 191.0 133.4 124.3 50.7 14.0 85.5</p> <p>X</p> <p>R</p> <p>EISEN</p> <p>100%</p> <p>MIN. 822 185 132 134</p> <p>MAX. 384 205 50 58 10.5 38</p> <p>MIN.</p> <p>MAX.</p> <p>R</p> <p>MIN.</p> <p>MAX.</p> <p>EENHEDEN</p>	<p>Remast (T) diagram.</p> <p>Buisnummer</p> <p>1 150 327.5 193.5 133.2 123.5 50.6 14.0 85.4 goed</p> <p>2 328.5 192.5 132.6 121.5 50.9 14.0 84.0</p> <p>3 153 329.5 191.5 132.8 121.9 50.9 12.5 85.3</p> <p>4 154 328 191.0 132.4 123.0 50.5 14.5 86.5</p> <p>5 160 328 191.0 133.4 124.3 50.7 14.0 85.5</p> <p>X</p> <p>R</p> <p>EISEN</p> <p>100%</p> <p>MIN. 822 185 132 134</p> <p>MAX. 384 205 50 58 10.5 38</p> <p>MIN.</p> <p>MAX.</p> <p>R</p> <p>MIN.</p> <p>MAX.</p> <p>EENHEDEN</p>	<p>Remast (T) diagram.</p> <p>Buisnummer</p> <p>1 150 327.5 193.5 133.2 123.5 50.6 14.0 85.4 goed</p> <p>2 328.5 192.5 132.6 121.5 50.9 14.0 84.0</p> <p>3 153 329.5 191.5 132.8 121.9 50.9 12.5 85.3</p> <p>4 154 328 191.0 132.4 123.0 50.5 14.5 86.5</p> <p>5 160 328 191.0 133.4 124.3 50.7 14.0 85.5</p> <p>X</p> <p>R</p> <p>EISEN</p> <p>100%</p> <p>MIN. 822 185 132 134</p> <p>MAX. 384 205 50 58 10.5 38</p> <p>MIN.</p> <p>MAX.</p> <p>R</p> <p>MIN.</p> <p>MAX.</p> <p>EENHEDEN</p>	<p>Remast (T) diagram.</p> <p>Buisnummer</p> <p>1 150 327.5 193.5 133.2 123.5 50.6 14.0 85.4 goed</p> <p>2 328.5 192.5 132.6 121.5 50.9 14.0 84.0</p> <p>3 153 329.5 191.5 132.8 121.9 50.9 12.5 85.3</p> <p>4 154 328 191.0 132.4 123.0 50.5 14.5 86.5</p> <p>5 160 328 191.0 133.4 124.3 50.7 14.0 85.5</p> <p>X</p> <p>R</p> <p>EISEN</p> <p>100%</p> <p>MIN. 822 185 132 134</p> <p>MAX. 384 205 50 58 10.5 38</p> <p>MIN.</p> <p>MAX.</p> <p>R</p> <p>MIN.</p> <p>MAX.</p> <p>EENHEDEN</p>

CONTROLE - CONTROLE
KONTROLLE - TEST

VOORLOPIG

CODE Nr.
TYPE

D 13-279H

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

CONCLUSIE:

363-1

(T) doc = RW 6-3-0/402.

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.051

2-1

75-03-11

ONDERWERP : Release for transferred production D13-27 GM

Batch 1: Received 7 pieces

Measured on test II specifications 7 pieces

Results of screenquality, colourpoint and
brightness values are given on attached sheet.

Conclusion: Test II results are good.

Screen quality is good.

Colour point is good.

Brightness is borderline.

Remark: Colour point: Measured according point 4 test 2
of testshedule: RV 2-1-52/439.

- Measuring condition of point 4 test 1

Raster 10 x 10 mm, focus, current 10 uA, $V_{g2} = 2$ KV,
 $V_{nav} = 4$ KV causes burn in of the screen and there-
fore not carried out.

Measuring condition of point 4 test 2

Raster 40 x 40 mm, defocus, current 10 uA, $V_{g2} = 2$ KV,
 $V_{nav} = 4$ KV

Batch 2: Received 10 pieces

Measured 5 pieces

Test II results are satisfactory.

Screen quality and colour point is equal to the
previous batch (nr 1)

Brightness is, also borderline.

Remark: Due to delivery orders of the commercial Department
the burning in and life test will be measured on a
sample from a larger batch.

G. Geevers

Copy Messrs.: Dechering
Menet
Varekamp
Wassenaar ✓

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Gegevens

Buistype *D 13-27 PM.*
 Proefnr.
 Codenr. poeder
 Fabr.dat.
 Opmerkingen
10 productie Briv.

Meting helderheid

Held. in NIT

Buisnr.	2 kv	4 kv	6 kv	8 kv
1	26.7		16.5	
2	27.4		17.8	
3	30.4		20.5	
4	23.8		16.9	
5	26.4		17.8	
X	26.9		17.9	
R	6.6		4.0	
Eis min	27		18	
Eis max				

Schermkwaliteit

Buisnr.	
1	<i>same as min, good.</i>
2	"
3	"
4	"
5	"

Nalichten blauw - geel

Nalichttijd in m. sec.

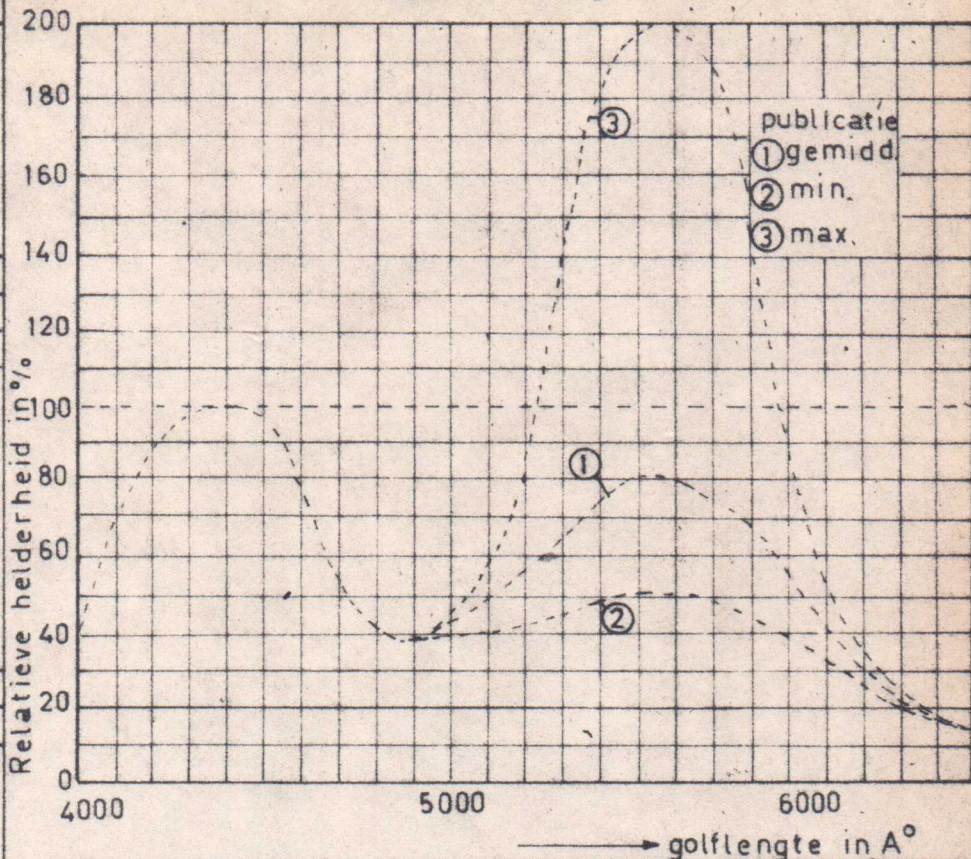
Buisnr.	10%	1%	0.1%
1			
2			
3			
4			
5			
X			
R			

Eis min	0	20	2	700	10	4000
Eis max	2	250	25	4000	250	30000

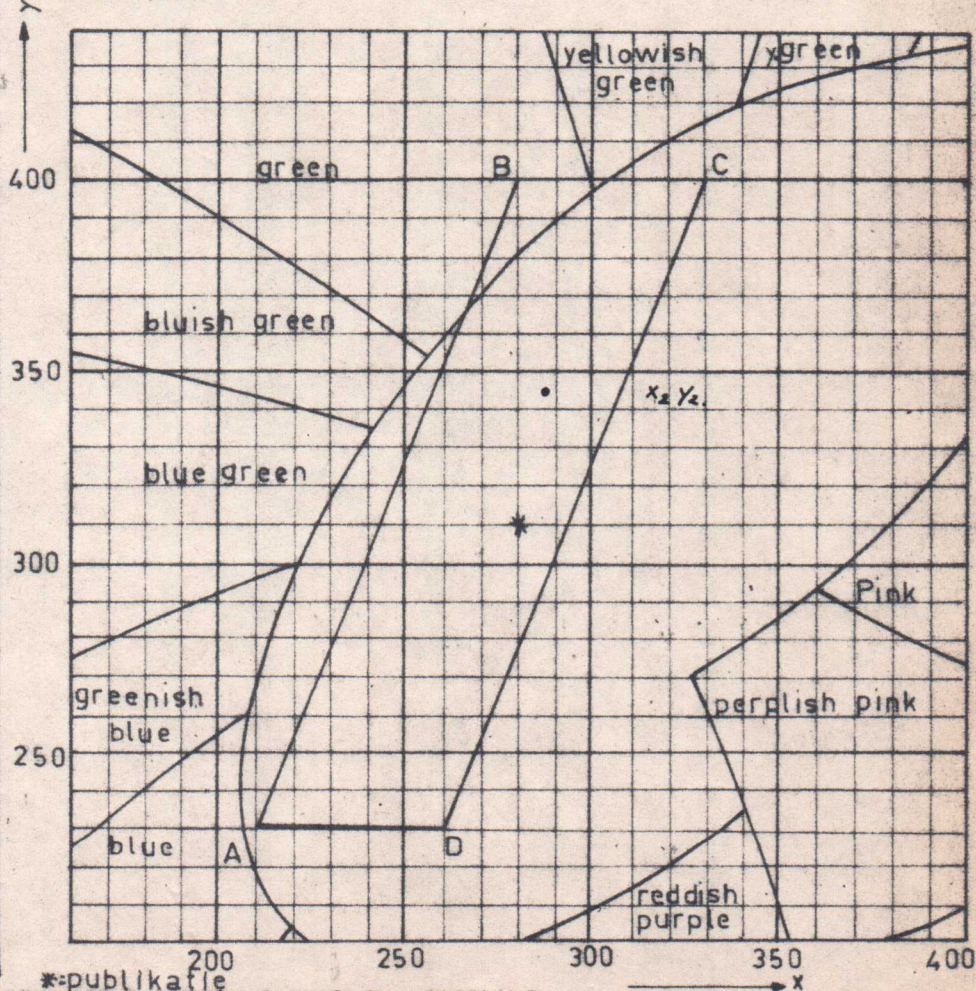
Kleurpunt 2 kv - 4 kv

Buisnr.	X1	Y1	X2	Y2
1			0.286	0.357
2			0.281	0.342
3			0.290	0.339
4				
5				
X			0.286	0.246
R			0.009	0.018
Eis min				
Eis max				
coörd.	A	B	C	D
X	0,210	0,280	0,330	0,260
Y	0,230	0,400	0,400	0,230

Spectrale energie verdeling



kleurpunt



*-publicatie

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

30-3-71

RV-2-1-52/439

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ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.052

2-1

75-03-11

ONDERWERP : Release for transferred production DP7-11

batch 1

Received 6 pieces

Measured 6 pieces

Conclusion:

Screen quality is good

Colour point is good

Brightness is good 1200 V -300 V-1200V

Brightness is low 2000 V-2000V-4000V

Remark: Colour point is good but very blue.
The blue colour point can be cause of low
brightness.

The tubes will be put on life test.

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Gegevens

Buistype DP 7-11.
 Proefnr.
 Codenr. poeder
 Fabr.dat.
 Opmerkingen

PRODUCTION BRIT.

Meting helderheid

Held. in NIT

Buisnr.	2 kv	4 kv	1290-500 kv	1500 kv
1	22.8		2.0	
2	22.5		2.4	
3	24.1		2.0	
4	21.3		1.7	
5	22.4		2.0	
X	21.9		2.0	
R	22.7		2.7	
Eis min	27		2.0	
Eis max				

Schermkwaliteit

Buisnr.	
1	some stain.
2	"
3	"
4	"
5	"

Nalichten blauw - geel

Nalichttijd in m. sec.

Buisnr.	10%	1%	0.1%
1			
2			
3			
4			
5			
X			
R			

Eis min	0	20	2	700	10	4000
Eis max	2	250	25	4000	250	30000

Kleurpunt 2 kv - 4 kv

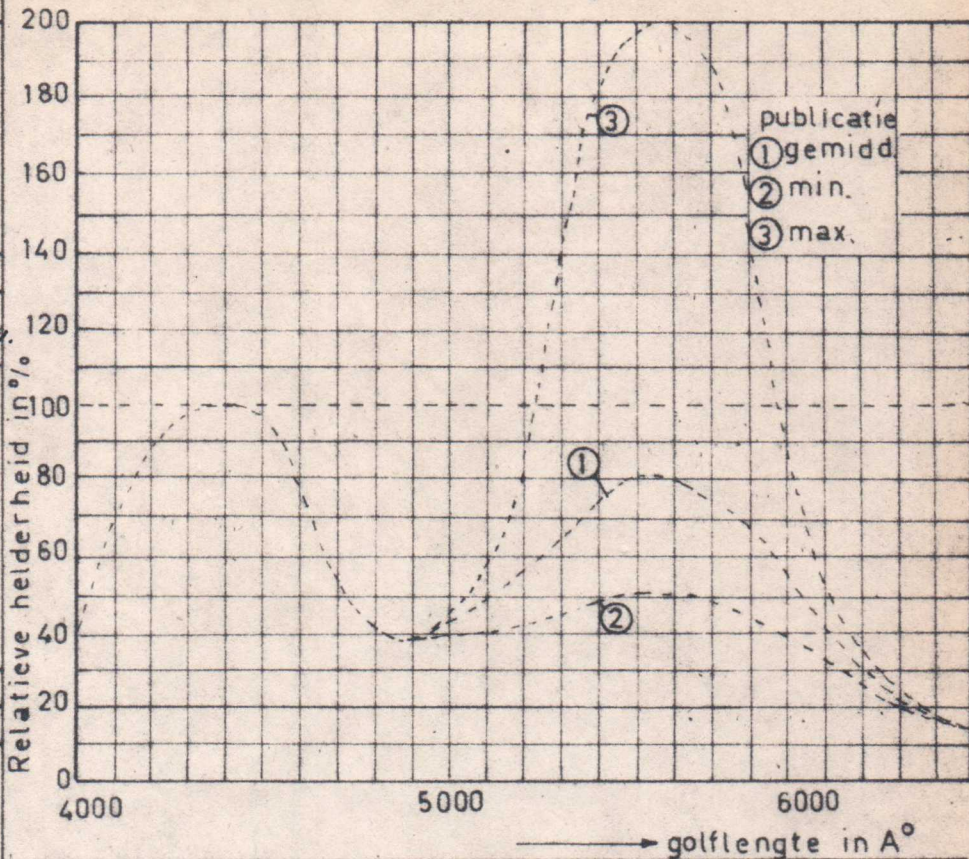
Buisnr.	X1	Y1	X2	Y2
2038	0.246	0.250	0.254	0.264
2042	0.278	0.321	0.283	0.339
2041	0.254	0.269	0.261	0.281
2086	0.258	0.276	0.256	0.287
2046	0.252	0.267	0.258	0.276
X	0.257	0.277	0.262	0.289
R	0.027	0.071	0.029	0.075

Eis min.
Eis max

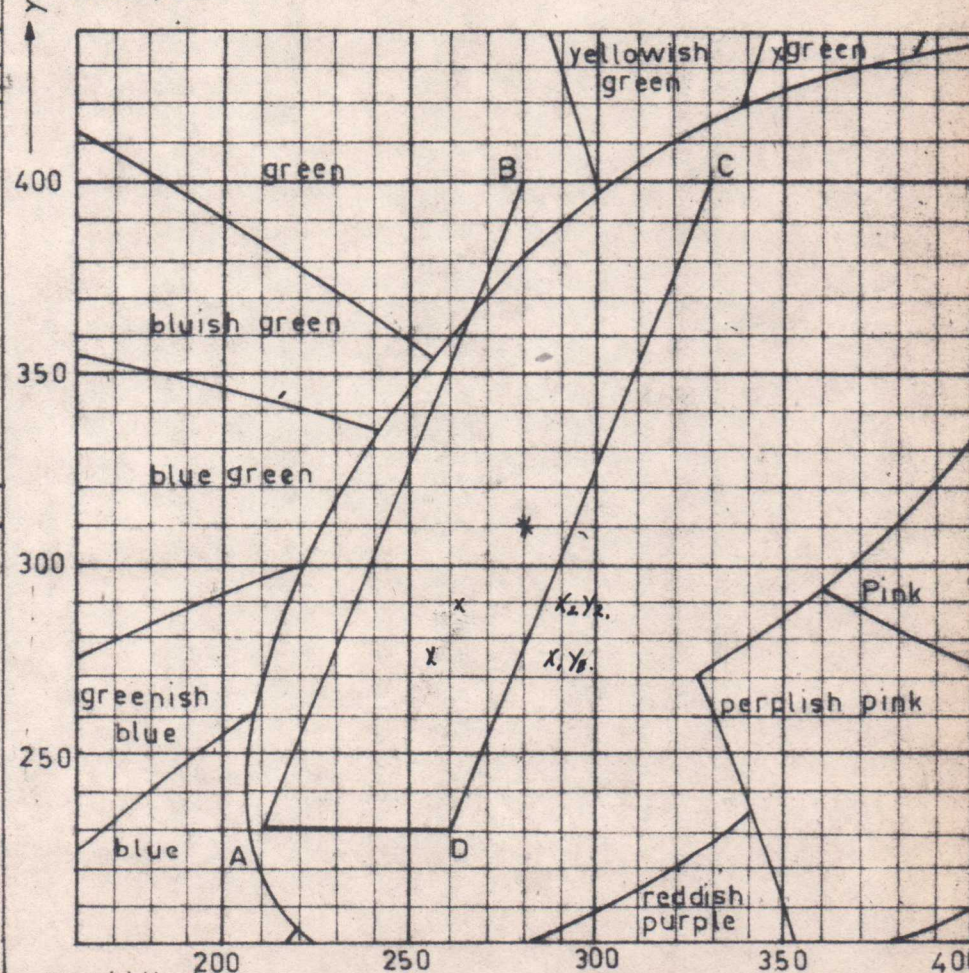
coörd.

	A	B	C	D
X	0.210	0.280	0.330	0.260
Y	0.230	0.400	0.400	0.230

Spectrale energie verdeling



kleurpunt



*-publikatie

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

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ONDERWERP : Release for transferred production D13-27GH batch 3
L-test and life test results.

1. Contents

Test results are given on attached sheets.

Sheet no 2 up to and 8 give L-test results
Sheet no 9 up to and 11 give life test.

2. Summary of results

a) L-test results

- 1 1 tube deviation of alignment PDA contact rather high but within limits.
- 2 1 tube blanking rather high but within limits.
- 3 The other electrical and mechanical measurements are satisfactory.

b) Life test results

The results are satisfactory.

3. Conclusion

The total results are satisfactory.

G. Gevers

Copy Messrs.: Dechering
Menet
Varekamp
Wassenaar

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RAR-84/95063 Nov 3.

D 13-2794

V/E	STEMPEL:		ONTVANGEN OP:		VOOR:		GEZIEN:	
	kw1	msa.	75-01-28	75-01-28	L-test			
(V=)	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
(V=)	adj	adj	adj	adj	adj	adj	adj	adj
(KW=)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
(V=)	for	for	for	for	for	for	for	for
(KW=)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
(KW=)	3	3	3	3	3	3	3	3
(V=)	R	R	R	R	R	R	R	R
(VA)	100	100	100	100	100	100	100	100
(VA)	10	10	10	10	10	10	10	10
METING	gas	kg/l.	dimension	X ₁ X ₂	spot cath.	come. elem.	for displacement	
Remerk. (T)	erro.	9.293	9.4	X ₁ X ₂	1-6.69	geom. qual.	X ₁ X ₂	X ₁ X ₂
drawing	A1	A1	A1	A1	A1	A1	A1	A1
173	None	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0
2198	"	> 2.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0
3220	"	> 2.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0
4227	"	> 2.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0
5222	"	> 2.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0
X		> 2.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0
R		0	0	0	0	0	0	0
EISEN								
EENHEDEN								
CONCLUSIE								

(T) = Acc RW 6.3-0/402

Acc RW 6-4-57/410

(T) " 3 and 82

(T) Remark 3

no high dimension

no gas

CONTROLE - CONTROLE
KONTROLLE - TEST

VOORLOPIG

CODE Nr
TYPE

D13-2794

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

362-1.

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RAR-04/95063 Head 3

D13-2794

STEMPEL:		ONTVANGEN OP:				VOOR:				GEZIEN:			
(V=)	(V=)	(V=)	(V=)	(V=)	(V=)	(V=)	(V=)	(V=)	(V=)	(V=)	(V=)	(V=)	(V=)
Vf	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vg	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj	adj
Vg2g3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Vg4	for	for	for	for	for	for	for	for	for	for	for	for	for
Vg5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Vg7	8	8	8	8	8	8	8	8	8	8	8	8	8
Vx1	0	0	0	0	0	0	0	0	0	0	0	0	0
Vx2	0	0	0	0	0	0	0	0	0	0	0	0	0
Zg	(GA)												
Zg7	(GA)												
Deflection (mm)	5 JV	1	1	1	1	1	1	1	1	1	1	1	1
METING	Recor. Angle of Y axes	Y	Y2	X1	X2	X1	X2	X1	X2	X1	X2	X1	X2
Remark (T)	11-12	11-13	5-11-12-15-54										
Buisnummer	1	123	-15	-0.7	0	11.20	24.50	24.5	0	0	+15	+15	+15
	2	198	-10	-0.4	-30	11.25	23.55	23.55	0	0	-4	+1	-5
	3	220	0	+0.5	-15	11.45	24.6	24.6	0	0	+14	+4	+4
	4	222	-1.5	+1.5	+15	11.40	24.0	24.0	0	0	+15	+8	+16
	5	222	+0.7	-0.5	+80	11.40	24.15	24.15	0	0	+8	+1	-4
X		-9.9	+1.1	0	11.84	24.16	24.16	0	0	+8	+6	+4	
R		32	62	60	0.25	1.05	1.05	0	0	19	14	21	25
EISEN	MIN												
	MAX												
S P 5 STUKS	X												
	X												
	R												
EENHEDEN	mm	mm	V/cm	V/cm	V/cm	V/cm	V/cm	V/cm	V/cm	V/cm	V/cm	V/cm	V/cm
CONCLUSIE													

CONTOLE - CONTROLE
KONTROLLE - TEST
Voorlopig
N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

PAR PAR PAR SIGN
ELADEN BLATTER FEUILLES SHEETS
BLAD BLATT FEUILLE SHEET

CODE N°
TYPE
D13-2794

(T) Rev = RV 6-3-0/402.

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STEMPEL:		ONTVANGEN OP:		VOOR:		GEZIEN:	
VF	(V=)	6.3	6.3	6.3	6.3	6.3	6.3
Vg1	(V=)	avg	avg	avg	avg	avg	avg
Vg2g3	(KV=)	1.5	1.5	1.5	1.5	1.5	1.5
Vg4	(V=)	fc	fc	avg	fc	fc	fc
Vg5	(KV=)	1.5	1.5	1.5	1.5	1.5	1.5
Vg7	(KV=)	8	8	8	8	8	8
Vg12	(V=)	R	R	0	0	line	R
Vg12A	(V=)	40x40	40x40	0	0	pattem	10x10
Jg	(AA)	10	10	0	0		5
Jg7	(MA)	10	10	3/0mm ²			
METING		Brightness		afterglow		Color form	
Remark (T)		90	90	90	90	90	90
Chargram		1-31	1-31	44	44	44	44
BUSNUMMER		A1	A1				
		173	45.4				
		2190	52.2				
		3120	44.2				
		4227	44.5				
		5222	44.0				
			44.2				
			3.2				
		MIN.	35				
		MAX	20				
EISEN		X					
		X					
		R					
EENHEDEN		ca/m ²	ca/m ²	ca/m ²	ca/m ²	ca/m ²	ca/m ²
		100	100	100	100	100	100
CONCLUSIE		(5) Remark 22					

(7) = see RV-6-3-0/402.

D13-2794

RAA-84/95063 Had. 5

CONTROLLE - CONTROLE
KONTROLLE - TEST

Voorlopig

PAR PAR PAR SIGN
CODE N.
TYPE

D13-2794

362-4

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RAE-84/95063 Blad 6

D13-279H.

STEMPEL		ONTVANGEN OP		VOOR		GEZIEN	
V ₁	(V ₁ ²)	6.3	1.3	6.3	1.3	6.3	1.3
V ₂	(V ₂ ²)	avg	avg	avg	avg	avg	avg
V ₃	(V ₃ ²)	1.5	1.5	1.5	1.5	1.5	1.5
V ₄	(V ₄ ²)	for	for	for	for	for	for
V ₅	(V ₅ ²)	1.5	1.5	1.5	1.5	1.5	1.5
V ₆	(V ₆ ²)	3	3	3	3	3	3
V ₇	(V ₇ ²)	R	R	R	R	R	R
V ₈	(V ₈ ²)	100	100	100	100	100	100
V ₉	(V ₉ ²)	10	10	10	10	10	10
METING		X	Y	left down	right down	left down	right down
Remasph (T)		1-11-33-55-61	1-11-33-61-65	left down	right down	left down	right down
Uitglam.		A1	A1	1-11-33-61-62	1-11-33-61-62	1-11-33-61-62	1-11-33-61-62
BUISNUMMER		173	0.21	0.41	0.45	0.21	0.21
		2 190	0.23	0.20	0.40	0.22	0.27
		3 223	0.24	1.05	1.17	0.28	0.52
		4 227	0.22	0.69	1.03	0.21	0.41
		5 222	0.28	0.28	0.95	0.24	0.89
		0.23	0.22	0.74	0.88	0.23	0.55
		0.02	0.03	0.07	0.64	0.72	0.07
EISEN		MIN					
		MAX	0.33				
S P 5 STUKS		MIN					
		MAX					
EENHEDEN		MIN					
		MAX					
CONCLUSIE							

D13-279H

862.5

(T) = see RW-6-3-0/402.

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eigenares niet geoorloofd.

RAR-84/75063 *blad 8*

D13-279H

GEZIEN:

VOOR:

ONTVANGEN OP:

STEMPEL:

METING

Remark (T)
diagram.

BUISNUMMER

MIN
MAX
MIN.
MAX
R
MIN
MAX

EISEN
100%
S P 5 STUKS

EENHEDEN

CONCLUSIE:

CONTROLE - CONTROLE
KONTROLLE - TEST

Voorlopig

CODE N.
TYPE

BLADEN
BLATTER
FEUILLES
SHEETS

BLAD
BLATT
FEUILLE
SHEET

D13-279H

363-1

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

(T) Acc = RV6-3-0/402.

Type		Type: D13-27.. D13-27../01						
Neting ad. Eenh. Eis	-Vg1	-Vg1 bij 10 μ A Il	Ik bij 25 μ A Inav.	Mod. Vg1 bij 25 μ A Inav.	Inav. bij 3 μ V mod.	Helderh.	Opn.	
	V 39-128	V noteren	μ A noteren	V \approx 48	μ A noteren	μ m ² GH \geq 40		
Branduren	60 80	50 70	200 400	20 40	0 10 20 30	40 60	← 5M. ← 5M	
9-12-71 15662 SH	0 160 500 1000						POEDER- KEURING 1322.501 6540.1. FLHS/7A-13E.	
23-12-71 15660 GH/oi	0 160 500 1000						NORM. PROO.	
24-2-72 15858 GH/oi	0 160 500 1000						NORM. PROO.	
12-4-72 50006 SH	0 160 500 1000						POEDER KEURING	
12-4-72 50007 SH	0 160 500 1000						POEDER KEURING	
70-10-12 50040 GM	0 160 500 1000						POEDER KEURING. Mi 66011-10A.	
73-03-21 50069 GH GM	0 160 500 1000						BRANDBAND PROEF.	
73-06-19 50083 GH	0 160 500 1000							
73-06-19 50084 GH	0 160 500 1000						NIEUW GH-POEDER.	
73-06-19 50085	0 160 500 1000						POEDER- KEURING HT 417.	

