



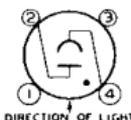
IP29

IP29

GAS PHOTOTUBE

VIOLET — GREEN SENSITIVE

Phototube Spectral Response	S3
Cathode:	
Shape	Semi-cylindrical
Width	11/16"
Length	1-5/8"
Minimum Projected Area	0.9 sq.in.
Center Length (from bottom edge of base)	2-1/8" ± 3/32"
Direct Interelectrode Capacitance	3 μf
Maximum Overall Length	4-1/8"
Maximum Seated Height	3-1/2"
Maximum Diameter	1-3/16"
Bulb	T-8
Base	Tapered Small 4-Pin
Pin 1—No Connection	Pin 3—No Connection
Pin 2—Anode (+)	Pin 4—Cathode (-)
Mounting Position	Any



BOTTOM VIEW (2K)

*Maximum Ratings Are Absolute Values***MAXIMUM RATINGS and CHARACTERISTICS**

Anode-Supply Voltage (D.C. or Peak A.C.)	100 max.	volts
Cathode Current Density	100 max.	μamp./sq.in.
Average Cathode Current	20 max.	μamp.
Dark Current	0.1 max.	μamp.
Ambient Temperature	100 max.	°C

Characteristics:

Wavelength of Max. Response	4200	angstroms
Sensitivity at Max. Response	0.010	μamp./μwatt
Luminous Sensitivity:*		
At 0 cycles	40	μamp./lumen
At 5000 cycles	35	μamp./lumen
At 10000 cycles	31	μamp./lumen

Gas Amplification Factor Not over 9

Minimum D-C Resistance of Load:

With anode-supply voltage of 75 volts or less

For d-c currents	{	above 3.5 μamp.	0.1	megohm
		below 3.5 μamp.	No Minimum	

With anode-supply voltage of 100 volts

For d-c currents	{	above 2 μamp.	2.5	megohms
		below 2 μamp.	0.1	megohm

* Subject to variations as explained on sheet PHOTOTUBE SENSITIVITY MEASUREMENTS in front of this section.

OUTLINE DIMENSIONS

for the IP29 are the same as those for the 868.

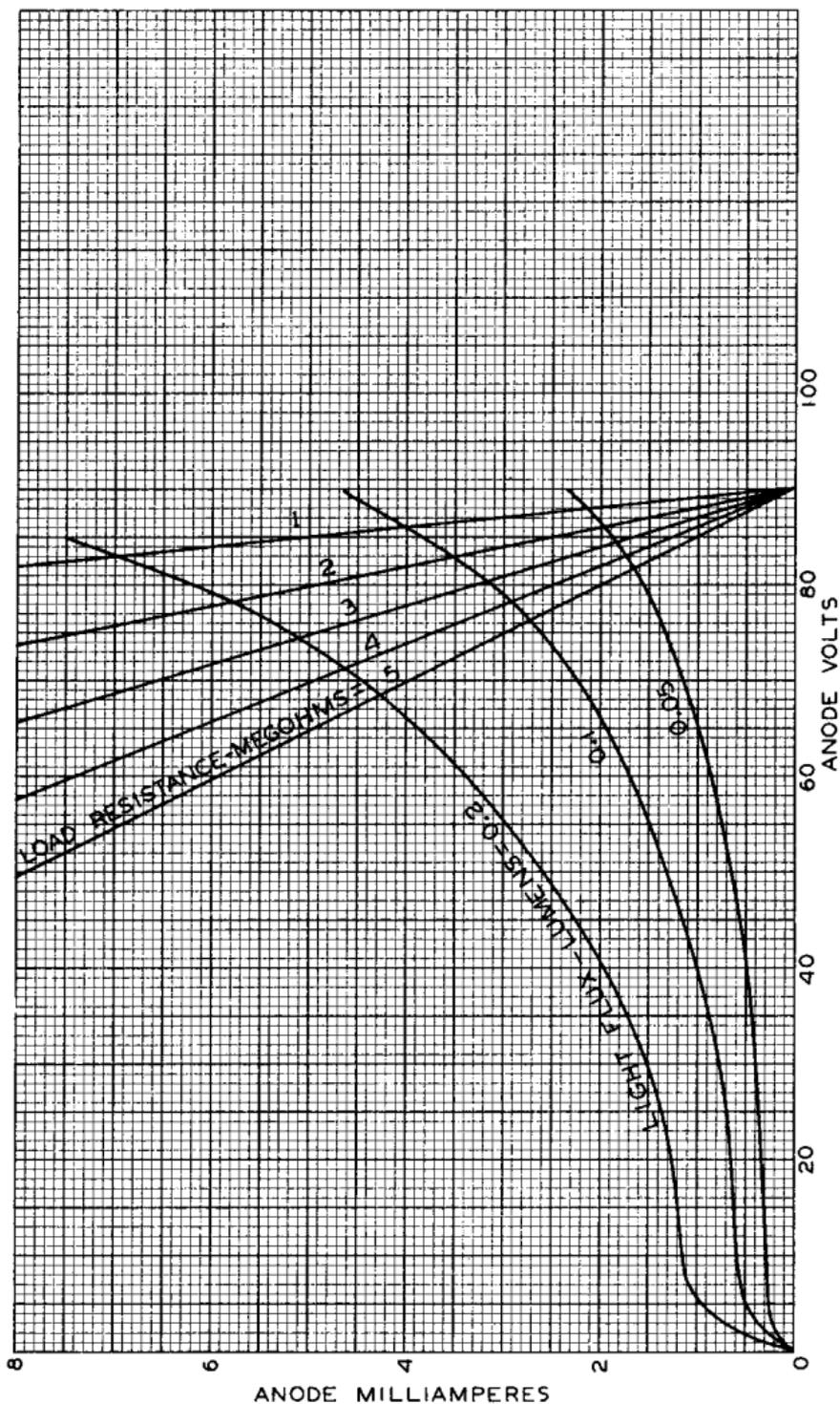
Spectral Sensitivity Characteristic of Phototube having S3 Response is shown at the beginning of this section.

IP29



IP29

AVERAGE ANODE CHARACTERISTICS



AUG. 2, 1944

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6472