

35-10

PROJECT 188

LIGHT EMISSION

w.c. wheeler. From 1-30-61



Made in U. S. A.

THIS BOOK CONTAINS EYE-EASE PAPER

"Easy on the Eyes"

53-110

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PURPOSE TO Calibrate the Dumont AND RCA PHOTO MULTIPLIER TUBES

PROCEDURE: A 100 FT.C. LIGHT SOURCE WAS PULSED TO THE TUBE FACE BY A ROTATING MIRROR. AN APERTURE PLATE WAS PLACED IN FRONT OF THE TUBES TO GIVE A KNOWN AREA OF ILLUMINATION THE

DATA

DUMONT #	PHOTOTUBE
LS. USED	TUBE VOLTAGE
100 FT.C	1200 VOLTS
	APERTURE
	0.010 DIA
	OUTPUT
	0.25 VOLTS

FLP-1

f	V @ 250 KC	TUBE OUTPUT
	0.1	0.002
	0.2	0.004
	0.3	0.006
	0.4	0.008

* 1 MEGACYCLE GAVE SIMILAR RESULTS

(Continued)

DATA - RCA 6810 PHOTO TUBE

F FLP current SCOPE VOLTAGE APERTURE

0.1 AMP

Micrograph # 3517
→ 2865

Bell Telephone System

High Voltage conductivity modulated silicon rectifier

Diffused junction depletion layer calculations

Dec. 18, 1961

98 Silver 2Al Evaporate

Use KMER Mask