

TABLE I

CONTROL LAMPS EXPOSED IN HUMIDITY CABINET

LAMP NO.	ORIGINAL BRIGHTNESS (Foot Lamberts)	TIME TO HALF BRIGHTNESS (Hrs.)
1	23.2	96
2	20.2	186
3	24.0	101
4	22.8	167
5	21.6	121
6	22.5	106
7	24.1	162
8	23.5	162
9	24.2	155

AVERAGE 139.5 Hrs.

TABLE II

URETHANE MICROENCAPSULATED PHOSPHOR LAMPS
EXPOSED IN HUMIDITY CABINET

URETHANE TYPE	LAMP NO.	WALL THICKNESS (Microns)	INITIAL BRIGHTNESS (Ft.Lamberts)	TIME TO ATTAIN HALF INITIAL BRIGHTNESS (Hrs.)
A	1	1.0	6.9	391
A	2	1.0	8.9	367
A	3	1.0	8.5	367
A	4	1.0	8.2	505
A	5	1.0	8.5	<u>367</u>
				AVERAGE 399.4 Hrs.
B	1	0.5	12.4	450
B	2	0.5	12.6	340
B	3	0.5	12.6	300
B	4	0.5	11.4	320
B	5	0.5	12.2	<u>350</u>
				AVERAGE 352 Hrs.
C	1	0.5	17.8	326 Hrs. (short circuit)
C*	2	0.5	17.4	979
C*	3	0.5	17.0	1003
C*	4	0.5	17.6	1001
C	5	0.5	17.8	422 Hrs. (short circuit)
				<u>994 Hrs.</u>
				AVERAGE (3 Lamps)
				994 Hrs.

* Half initial brightness had not been reached when test was discontinued. Brightness of lamps 2, 3, and 4 was still 12.6, 12.2, and 12.0 respectively when the test was halted.