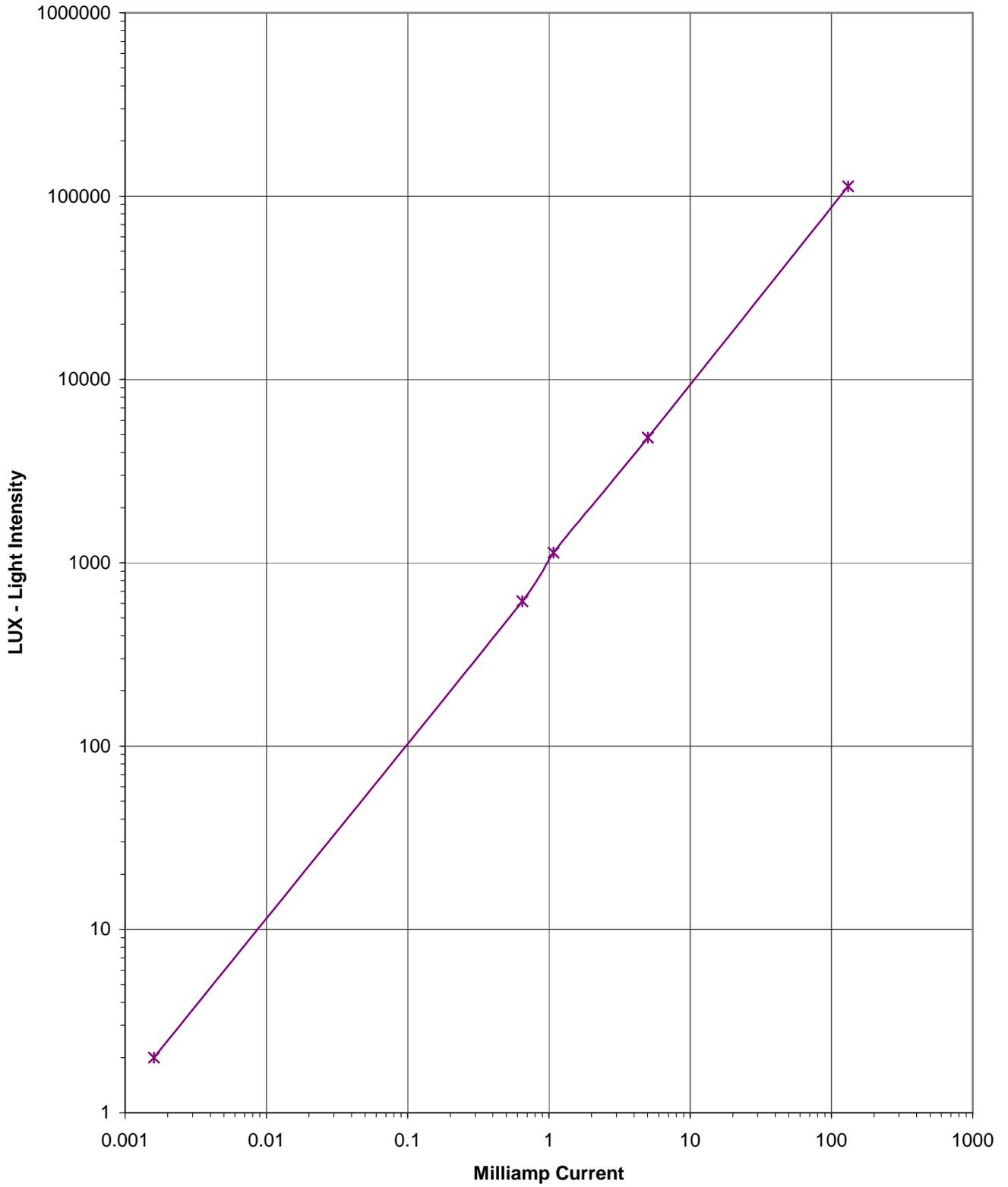
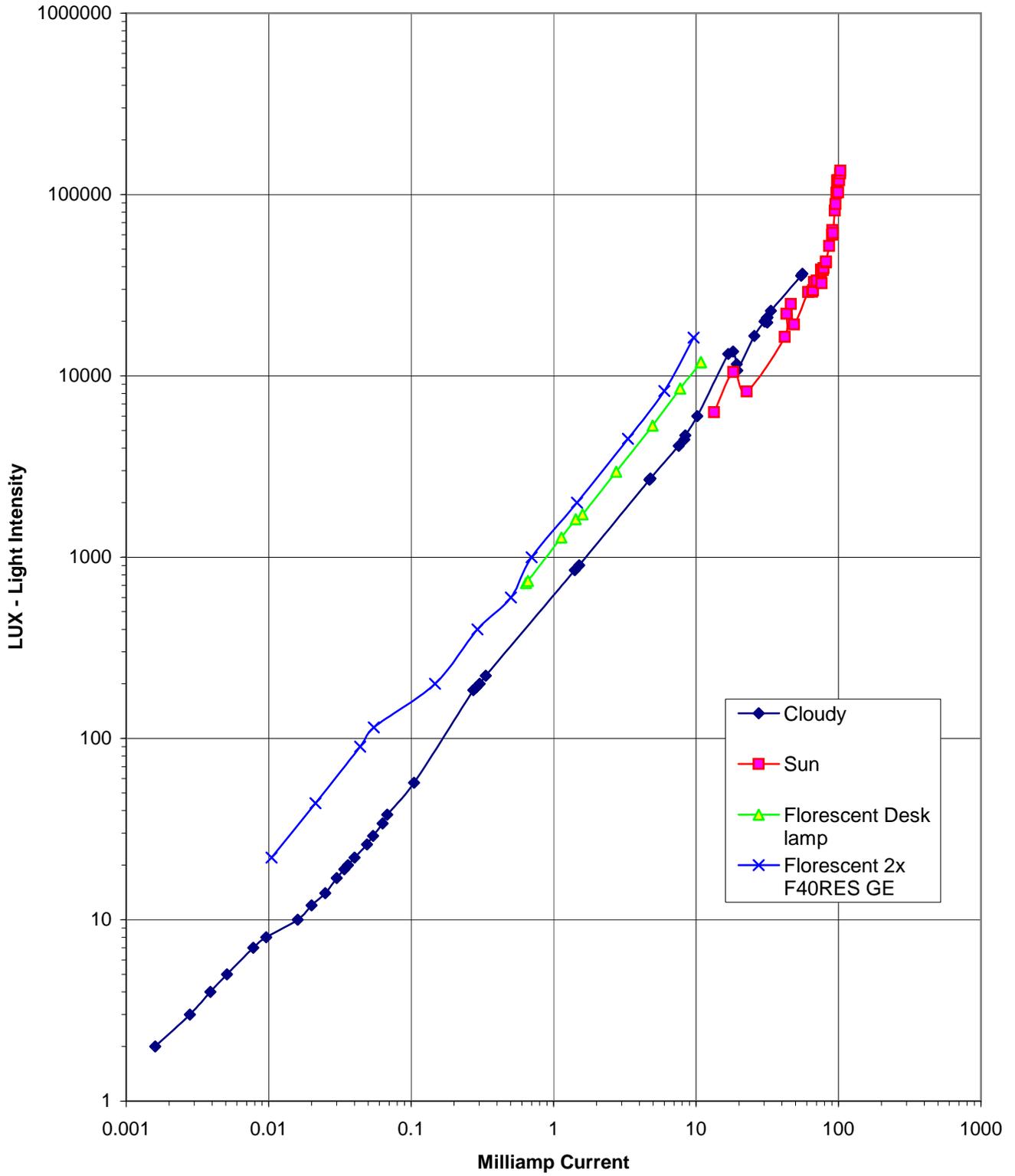


Calibration Curve for Siclicon Solar Cell of 1.368 Sq. Inches
using digital Amp-meter Cen-Tech P30756



A1) Radio Shack Solar Cell and Digital Amp-meter Calibration Curve
Read Milliamps from meter and using appropriate curve find light intensity.



1.368 Sq.In. Silicon solar cell

time	CT ma	Scale Scale	Meter Lux	scale scale	filter filter	conditions conditions
		131.2		113300		sun
		5.02		4820		Florescent Desk lamp
		1.076		1137		Florescent Desk lamp
		0.647		618		Florescent Desk lamp
		0.0016		2		sun

time	CT ma	Scale Scale	Meter Lux	scale scale	filter filter	conditions conditions
11:53:00 AM		8.6 20ma		4250 10X	thick	Cloudy don't use bit distored
11:47:00 AM		9.9 200ma		4900 100X	thick	Cloudy don't use bit distored
11:47:00 AM		10.24 20ma		5250 10X	thick	Cloudy don't use bit distored
12:48:00 AM		39.2 200ma		18700 100X	thick	Sun don't use bit distored
12:53:00 AM		44.1 200ma		23000 100X	Thick	Sun don't use bit distored
11:57:00 AM		15.69 20ma		9410 10X	Thin	Cloudy no good
11:56:00 AM		15.8 200ma		9500 100X	Thin	Cloudy no good
11:54:00 AM		16.3 200ma		9800 100X	Thin	Cloudy no good
12:47:00 AM		56.2 200ma		33800 100X	Thin	Sun no good
12:52:00 AM		60.2 200ma		37300 100X	Thin	Sun no good
6:14:00 PM		26.1 200ma		13700 100X		Sun no good
		0.163 200u		75 1X		Sun no good
		0.0766 200u		30 1X		sun no good
		0.0257 200u		55 1X		forsent celing Light office with outside fixture
		0.0525 200u		111 1X		forsent celing Light office with outside fixture
		0.0916 200u		200 1X		forsent celing Light office with outside fixture
		0.147 2000u		200 1X		forsent celing Light office with outside fixture
		0.22 2000u		300 1X		forsent celing Light office with outside fixture
		0.292 2000u		400 1X		forsent celing Light office with outside fixture
		0.363 2000u		500 1X		forsent celing Light office with outside fixture

0.51	2000u	700	1X	forsent ceiling Light office with outside fixture
9.61	20m	16260	10x	Florescent 2x F40RES GE
6	20m	8240	10x	florescent kitchen Light 2x40W F40RES GE Bair tubes
3.33	20m	4500	10x	florescent kitchen Light 2x40W F40RES GE Bair tubes
1.46	20m	2000	10x	florescent kitchen Light 2x40W F40RES GE Bair tubes
0.702	2000U	1000	10x	florescent kitchen Light 2x40W F40RES GE Bair tubes
0.501	2000U	600	1X	florescent kitchen Light 2x40W F40RES GE Bair tubes
0.292	2000U	400	1X	florescent kitchen Light 2x40W F40RES GE Bair tubes
0.147	2000U	200	1X	florescent kitchen Light 2x40W F40RES GE Bair tubes
0.0547	2000U	115	1X	florescent kitchen Light 2x40W F40RES GE Bair tubes
0.0438	2000U	90	1X	florescent kitchen Light 2x40W F40RES GE Bair tubes
0.0213	2000U	44	1X	florescent kitchen Light 2x40W F40RES GE Bair tubes
0.0105	2000U	22	1X	florescent kitchen Light 2x40W F40RES GE Bair tubes

0.64	2000u	720	1X	Florescent Desk lamp
0.66	20ma	740	10X	Indoor desk lamp
1.136	2000u	1282	1X	Indoor desk lamp
1.434	2000u	1620	1X	Indoor desk lamp
1.6	20ma	1720	10X	Indoor desk lamp
2.76	20ma	2960	10X	Indoor desk lamp
4.95	20ma	5320	10X	Indoor desk lamp
7.74	20ma	8510	10X	Indoor desk lamp
10.8	200ma	11880	10X	Indoor desk lamp
10.8	20ma	11880	10X	Indoor desk lamp

7:44:00 AM	0.0006	200u	1X	Twilight	Can't read meters - total dark except for glow on horizon
7:43:20 PM	0.0008	200u	1X	Twilight	
7:42:20 PM	0.0009	200u	1X	Twilight	
7:41:30 PM	0.0012	200u	1X	Twilight	
7:40:00 PM	0.0016	200u	2 1X	Twilight	Cant read watch
7:38:01 PM	0.0028	200u	3 1X	Twilight	Extreamly hard to read watch
7:36:46 PM	0.0039	200u	4 1X	Twilight	
7:35:38 PM	0.0051	200u	5 1X	Twilight	
7:34:10 PM	0.0078	200u	7 1X	Twilight	Getting hard to read watch
7:33:20 PM	0.0096	200u	8 1X	Twilight	
7:32:45 PM	0.016	2000u	10 1X	Twilight	

7:32:02 PM	0.02 2000u	12 1X	Twilight	
7:30:00 PM	0.025 2000u	14 1X	Twilight	
7:30:23 PM	0.03 2000u	17 1X	Twilight	
7:40:00 PM	0.034 2000u	19 1X	Twilight	
	0.036 2000u	20 1X	Twilight	
7:29:06 PM	0.04 2000u	22 1X	Twilight	
7:28:13 PM	0.049 2000u	26 1X	Twilight	
7:27:45 PM	0.054 2000u	29 1X	Twilight	
7:27:07 PM	0.063 2000u	34 1X	Twilight	Stop buz - 18 min to total dark.
7:26:37 PM	0.068 2000u	38 1X	Twilight	Stop buz - changing at about 10 lux/min
7:24:00 PM	0.105 2000u	57 1X	Twilight	Start buz of sillionode
7:17:00 PM	0.273 2000u	185 1X	Twilight	
7:17:00 PM	0.286 2000u	191 1X	Twilight	
7:15:00 PM	0.303 2000u	200 1X	Twilight	
7:15:00 PM	0.334 2000u	222 1X	Twilight	
7:01:00 PM	1.41 20ma	847 1X	Twilight	
7:01:00 PM	1.51 20ma	902 1X	Twilight	
6:45:00 PM	4.71 200ma	2670 10X	Twilight	
6:45:00 PM	4.78 200ma	2710 10X	Twilight	
6:30:00 PM	7.57 200ma	4110 10X	Twilight	
6:30:00 PM	8.26 200ma	4460 10X	Twilight	
6:30:00 PM	8.4 200ma	4700 100X	Twilight	
6:14:00 PM	10.2 200ma	6000 100X	Cloudy	
5:20:00 PM	16.8 200ma	13200 100X	Sky up no direct sun	
5:20:00 PM	18.2 200ma	13600 100X	Sky up no direct sun	
6:14:00 PM	19.3 200ma	11600 100X	Cloudy	
6:14:00 PM	19.5 200ma	10700 100X	Cloudy	
5:20:00 PM	25.7 200ma	16600 100X	Cloudy	
10:29:00 AM	30.3 200ma	19900 100X	Cloudy	
10:44:00 AM	30.6 200ma	20200 100X	Cloudy	
10:28:00 AM	31.4 200ma	20800 100X	Cloudy	
5:20:00 PM	31.6 200ma	19700 100X	Cloudy	
10:28:00 AM	31.7 200ma	21000 100X	Cloudy	
5:20:00 PM	33.6 200ma	22800 100X	Cloudy	
11:55:00 AM	54.7 200ma	35700 100X	Cloudy	
11:47:00 AM	55.8 200ma	36600 100X	Cloudy	

6:20:00 PM	13.4 200ma	6300 100X	Sun
6:14:00 PM	18.3 200ma	10500 100X	Sun
6:20:00 PM	22.7 200ma	8200 100X	Sun down now
6:14:00 PM	42 200ma	16400 100X	Sun
5:56:00 PM	43.1 200ma	22000 100X	Sun
5:56:00 PM	46.3 200ma	24900 100X	Sun
6:14:00 PM	48.8 200ma	19200 100X	Sun
5:56:00 PM	61.3 200ma	29000 100X	Sun
5:56:00 PM	65.2 200ma	29100 100X	Sun
5:56:00 PM	66.3 200ma	29600 100X	Sun
5:51:00 PM	67.5 200ma	32900 100X	Sun
5:56:00 PM	70.5 200ma	33500 100X	Sun
5:45:00 PM	75.5 200ma	38500 100X	Sun
5:50:00 PM	75.6 200ma	37600 100X	Sun
5:48:00 PM	76.1 200ma	32400 100X	Sun
5:51:00 PM	77.6 200ma	38300 100X	Sun
5:51:00 PM	78.6 200ma	39200 100X	Sun
5:51:00 PM	81.7 200ma	42200 100X	Sun
5:51:00 PM	81.9 200ma	42600 100X	Sun
5:36:00 PM	86.2 200ma	52000 100X	Sun
5:22:00 PM	90.4 200ma	59900 100X	Sun
5:19:00 PM	90.5 200ma	63600 100X	Sun
5:22:00 PM	91.2 200ma	61200 100X	Sun
4:58:00 PM	94.2 200ma	81400 100X	Sun
4:45:00 PM	95.2 200ma	88600 100X	Sun
4:27:00 PM	96.8 200ma	102000 100X	Sun
4:25:00 PM	97.5 200ma	103400 100X	Sun
12:46:00 AM	98.1 200ma	119400 100X	Sun
12:49:00 AM	98.7 200ma	120100 100X	Sun
4:11:00 PM	99.7 200ma	102900 100X	Sun
2:54:00 PM	101.1 200ma	119700 100X	Sun
12:50:00 AM	102.7 200ma	130400 100X	Sun
12:51:00 AM	103.2 200ma	135200 100X	Sun