

Model Name: JP36116 Sample D

Stage: EVT

Date: 2017/01/20

1. Test condition

- (1) AC Input: 100~277V_{AC}; 50/60Hz.
- (2) Output Voltage: 36V_{DC}(for LED load).
- (3) Output Current: 1.16A, typical.
- (4) Operational temperature: 25degC; 60degC; -20degC.
- (5) 1-10V control by DC power source.
- (6) 1-10V control by LUTRON Nova T 1-10V dimming.

2. Test item

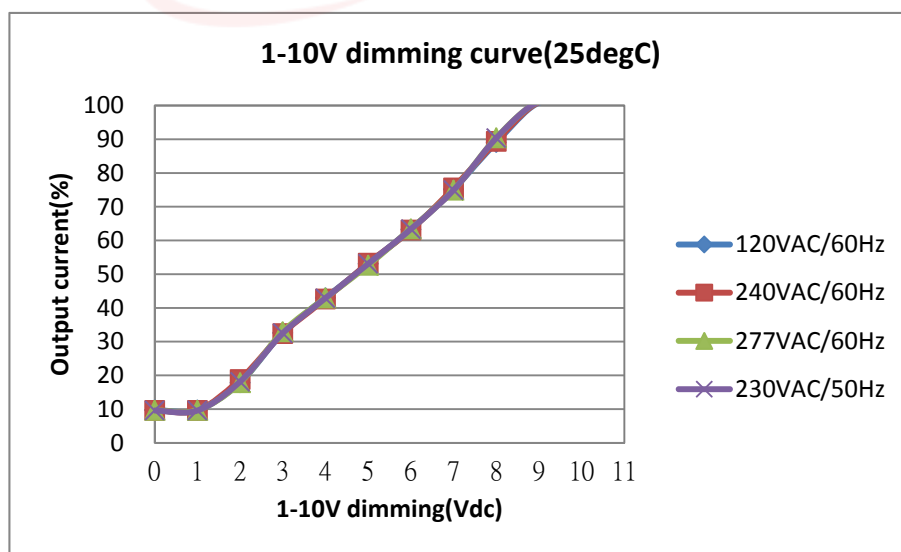
- (1) 0~11VDC dimming control by DC power source to check data & dimming curve;
switch on is allowed any dimming position.
- (2) Dimming control by LUTRON Nova T dimmer to check data & dimming curve;
switch on is allowed any dimming position.
- (3) Check LED driver's dimming control circuit supply current(I_{DIM}),
(10uA, Min.; 2mA, Max.)
- (4) LED driver's 1-10V dimming signal end connect to +/- 120V, LED driver no
dimming;
and +10V~+120V will make output current is 1.16A,

3. Test data & dimming curve (Dimming curve by DC source)

(2) Dimming control by LUTRON Nova T 1-10V dimmer

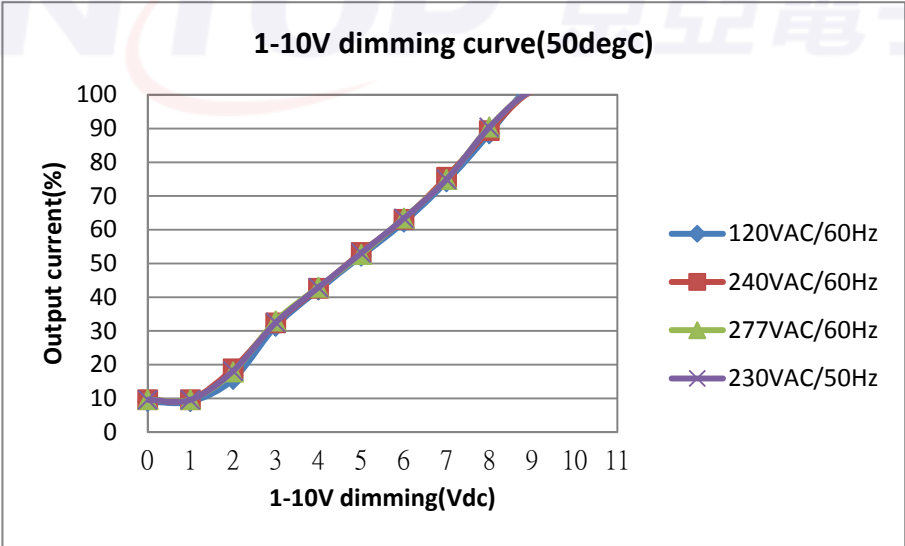
Ambient= 25degC

V _{IN}	120V _{AC} /60Hz		240V _{AC} /60Hz		277V _{AC} /50Hz		230V _{AC} /50Hz	
I _{OUT,typical}	1.16 A		1.16 A		1.16 A		1.16 A	
V _{DIM} (V _{DC})	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)
0	0.113	9.74	0.112	9.66	0.112	9.66	0.111	9.57
1	0.113	9.74	0.112	9.66	0.112	9.66	0.111	9.57
2	0.207	17.84	0.218	18.79	0.207	17.84	0.210	18.10
3	0.378	32.59	0.376	32.41	0.382	32.93	0.377	32.50
4	0.499	43.02	0.495	42.67	0.498	42.93	0.497	42.84
5	0.616	53.10	0.618	53.28	0.611	52.67	0.616	53.10
6	0.734	63.28	0.732	63.10	0.736	63.45	0.735	63.36
7	0.872	75.17	0.877	75.60	0.869	74.91	0.869	74.91
8	1.033	89.05	1.037	89.40	1.049	90.43	1.048	90.34
9	1.170	100.86	1.172	101.03	1.174	101.21	1.174	101.21
10	1.175	101.29	1.176	101.38	1.178	101.55	1.178	101.55
11	1.175	101.29	1.176	101.38	1.178	101.55	1.178	101.55



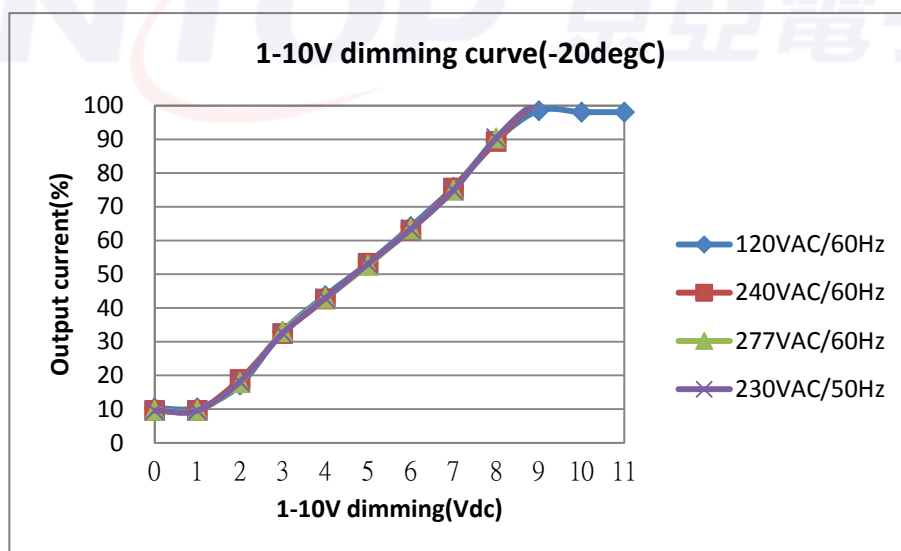
Ambient= 60degC

V _{IN}	120V _{AC} /60Hz		240V _{AC} /60Hz		277V _{AC} /50Hz		230V _{AC} /50Hz	
I _{OUT,typical}	1.16 A		1.16 A		1.16 A		1.16 A	
V _{DIM} (V _{DC})	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)
0	0.105	9.05	0.105	9.05	0.106	9.14	0.106	9.14
1	0.105	9.05	0.105	9.05	0.106	9.14	0.106	9.14
2	0.180	15.60	0.180	15.52	0.181	15.60	0.181	15.60
3	0.353	31.38	0.356	30.69	0.364	31.38	0.364	31.38
4	0.482	42.16	0.482	41.55	0.489	42.16	0.489	42.16
5	0.595	52.16	0.601	51.81	0.606	52.24	0.605	52.16
6	0.722	62.24	0.721	62.16	0.728	62.76	0.728	62.76
7	0.861	74.22	0.861	74.22	0.859	74.05	0.861	74.22
8	1.026	88.45	1.033	89.05	1.022	88.10	1.022	88.10
9	1.191	102.67	1.193	102.84	1.195	103.02	1.195	103.02
10	1.196	103.10	1.198	103.28	1.202	103.62	1.202	103.62
11	1.196	103.10	1.198	103.28	1.202	103.62	1.202	103.62



Ambient= -20degC

V _{IN}	120V _{AC} /60Hz		240V _{AC} /60Hz		277V _{AC} /50Hz		230V _{AC} /50Hz	
I _{OUT,typical}	1.16 A		1.16 A		1.16 A		1.16 A	
V _{DIM} (V _{DC})	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)
0	0.120	10.34	0.120	10.34	0.119	10.26	0.119	10.26
1	0.120	10.34	0.120	10.34	0.119	10.26	0.119	10.26
2	0.199	17.16	0.199	17.16	0.202	17.41	0.202	17.41
3	0.383	33.02	0.383	33.02	0.386	33.28	0.386	33.28
4	0.506	43.62	0.506	43.62	0.503	43.36	0.503	43.36
5	0.618	53.28	0.618	53.28	0.616	53.10	0.616	53.10
6	0.744	64.14	0.744	64.14	0.743	64.05	0.743	64.05
7	0.879	75.78	0.879	75.78	0.872	75.17	0.872	75.17
8	1.040	89.66	1.048	90.34	1.046	90.17	1.046	90.17
9	1.143	98.53	1.143	98.53	1.151	99.22	1.151	99.22
10	1.138	98.10	1.138	98.10	1.137	98.02	1.137	98.02
11	1.138	98.10	1.138	98.10	1.137	98.02	1.137	98.02

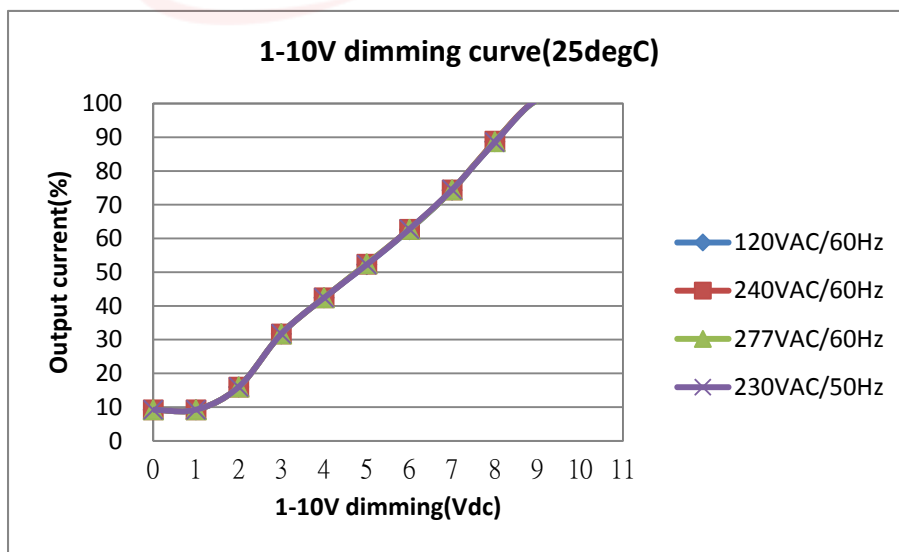


3. Test data & dimming curve (Dimming curve by dimmer)

(2) Dimming control by LUTRON Nova T 1-10V dimmer

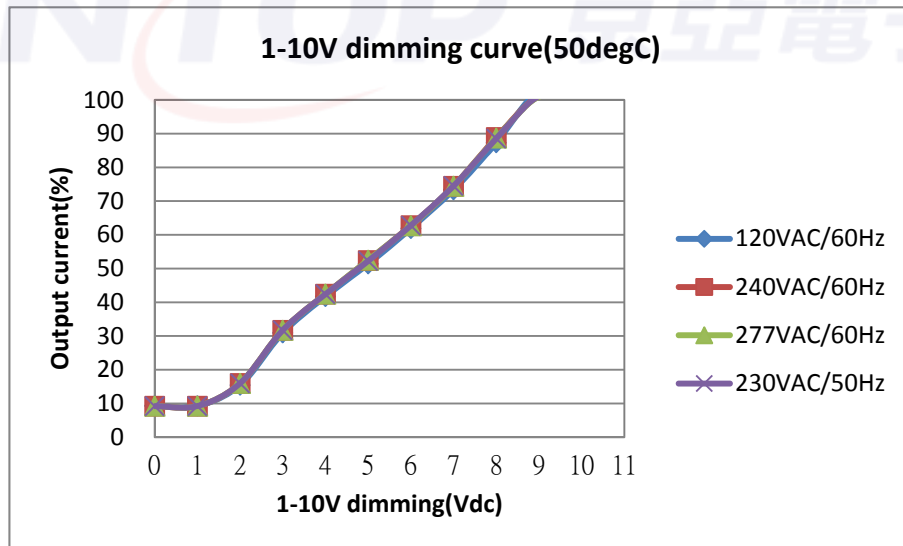
Ambient= 25degC

V _{IN}	120V _{AC} /60Hz		240V _{AC} /60Hz		277V _{AC} /50Hz		230V _{AC} /50Hz	
I _{OUT,typical}	1.16 A		1.16 A		1.16 A		1.16 A	
V _{DIM} (V _{DC})	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)
0	0.107	9.22	0.107	9.22	0.107	9.22	0.107	9.22
1	0.107	9.22	0.107	9.22	0.107	9.22	0.107	9.22
2	0.185	15.95	0.185	15.95	0.185	15.95	0.185	15.95
3	0.368	31.72	0.368	31.72	0.368	31.72	0.368	31.72
4	0.492	42.41	0.492	42.41	0.492	42.41	0.492	42.41
5	0.606	52.24	0.608	52.41	0.609	52.50	0.606	52.24
6	0.726	62.59	0.728	62.76	0.727	62.67	0.728	62.76
7	0.862	74.31	0.863	74.40	0.863	74.40	0.864	74.48
8	1.029	88.71	1.031	88.88	1.029	88.71	1.027	88.53
9	1.172	101.03	1.173	101.12	1.171	100.95	1.173	101.12
10	1.178	101.55	1.178	101.55	1.178	101.55	1.178	101.55
11	1.178	101.55	1.178	101.55	1.178	101.55	1.178	101.55



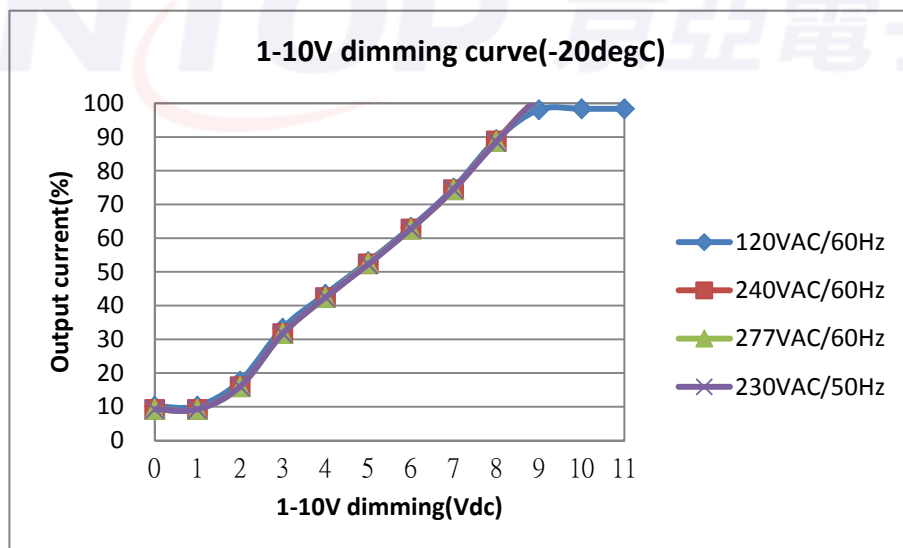
Ambient= 60degC

V _{IN}	120V _{AC} /60Hz		240V _{AC} /60Hz		277V _{AC} /50Hz		230V _{AC} /50Hz	
I _{OUT,typical}	1.16 A		1.16 A		1.16 A		1.16 A	
V _{DIM} (V _{DC})	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)
0	0.108	9.31	0.108	9.31	0.102	8.79	0.102	8.79
1	0.108	9.31	0.108	9.31	0.102	8.79	0.102	8.79
2	0.179	15.43	0.179	15.43	0.174	15.00	0.174	15.00
3	0.359	30.95	0.359	30.95	0.352	30.34	0.352	30.34
4	0.484	41.72	0.484	41.72	0.474	40.86	0.474	40.86
5	0.596	51.38	0.596	51.38	0.591	50.95	0.591	50.95
6	0.718	61.90	0.718	61.90	0.712	61.38	0.712	61.38
7	0.851	73.36	0.851	73.36	0.844	72.76	0.844	72.76
8	1.013	87.33	1.013	87.33	1.011	87.16	1.011	87.16
9	1.191	102.67	1.191	102.67	1.190	102.59	1.190	102.59
10	1.197	103.19	1.197	103.19	1.197	103.19	1.197	103.19
11	1.197	103.19	1.197	103.19	1.197	103.19	1.197	103.19



Ambient= -20degC

V _{IN}	120V _{AC} /60Hz		240V _{AC} /60Hz		277V _{AC} /50Hz		230V _{AC} /50Hz	
I _{OUT,typical}	1.16 A		1.16 A		1.16 A		1.16 A	
V _{DIM} (V _{DC})	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)	I _{OUT} (A)	I _{OUT} (%)
0	0.118	10.17	0.118	10.17	0.119	10.26	0.119	10.26
1	0.118	10.17	0.118	10.17	0.119	10.26	0.119	10.26
2	0.204	17.59	0.204	17.59	0.199	17.16	0.199	17.16
3	0.386	33.28	0.386	33.28	0.379	32.67	0.379	32.67
4	0.503	43.36	0.503	43.36	0.499	43.02	0.499	43.02
5	0.615	53.02	0.615	53.02	0.615	53.02	0.615	53.02
6	0.733	63.19	0.733	63.19	0.733	63.19	0.733	63.19
7	0.868	74.83	0.868	74.83	0.874	75.34	0.874	75.34
8	1.035	89.22	1.035	89.22	1.039	89.57	1.039	89.57
9	1.138	98.10	1.138	98.10	1.138	98.10	1.138	98.10
10	1.141	98.36	1.141	98.36	1.141	98.36	1.141	98.36
11	1.141	98.36	1.141	98.36	1.141	98.36	1.141	98.36



(3) Check LED driver's dimming control circuit supply current(I_{DIM}),
(10uA,Min.; 2mA,Max.)

AC input	Ambient= 25degC		Ambient= 60degC		Ambient= -20degC	
	$I_{DIM}(uA)$	$I_{DIM}(mA)$	$I_{DIM}(uA)$	$I_{DIM}(mA)$	$I_{DIM}(uA)$	$I_{DIM}(mA)$
	Max.	Min.	Max.	Min.	Max.	Min.
120V _{AC} /60Hz	7.4	0.196	7.4	0.196	7.4	0.196
230V _{AC} /50Hz	7.4	0.196	7.4	0.196	7.4	0.196
240V _{AC} /60Hz	7.4	0.196	7.4	0.196	7.4	0.196
277V _{AC} /50Hz	7.4	0.196	7.4	0.196	7.4	0.196
	2.2M Ω	46.66K Ω	2.2M Ω	46.66K Ω	2.2M Ω	46.66K Ω

(4) LED driver's 1-10V dimming signal end connect to +/- 120V, LED driver no dimming;

and +10V~+120V will make output current is 1.16A,

Ambient= 25degC

AC input	$I_{OUT}(A)$	
	V _{DIM} : +120V	V _{DIM} : -120V
120V _{AC} /60Hz	1.172	0.108
240V _{AC} /60Hz	1.172	0.108
277V _{AC} /60Hz	1.172	0.108
230V _{AC} /50Hz	1.172	0.108

Ambient= 60degC

AC input	$I_{OUT}(A)$	
	V _{DIM} : +120V	V _{DIM} : -120V
120V _{AC} /60Hz	1.198	0.104
240V _{AC} /60Hz	1.198	0.104
277V _{AC} /60Hz	1.198	0.104
230V _{AC} /50Hz	1.198	0.104

Ambient= -20degC

AC input	$I_{OUT}(A)$	
	V _{DIM} : +120V	V _{DIM} : -120V
120V _{AC} /60Hz	1.135	0.119
240V _{AC} /60Hz	1.135	0.119
277V _{AC} /60Hz	1.135	0.119
230V _{AC} /50Hz	1.135	0.119

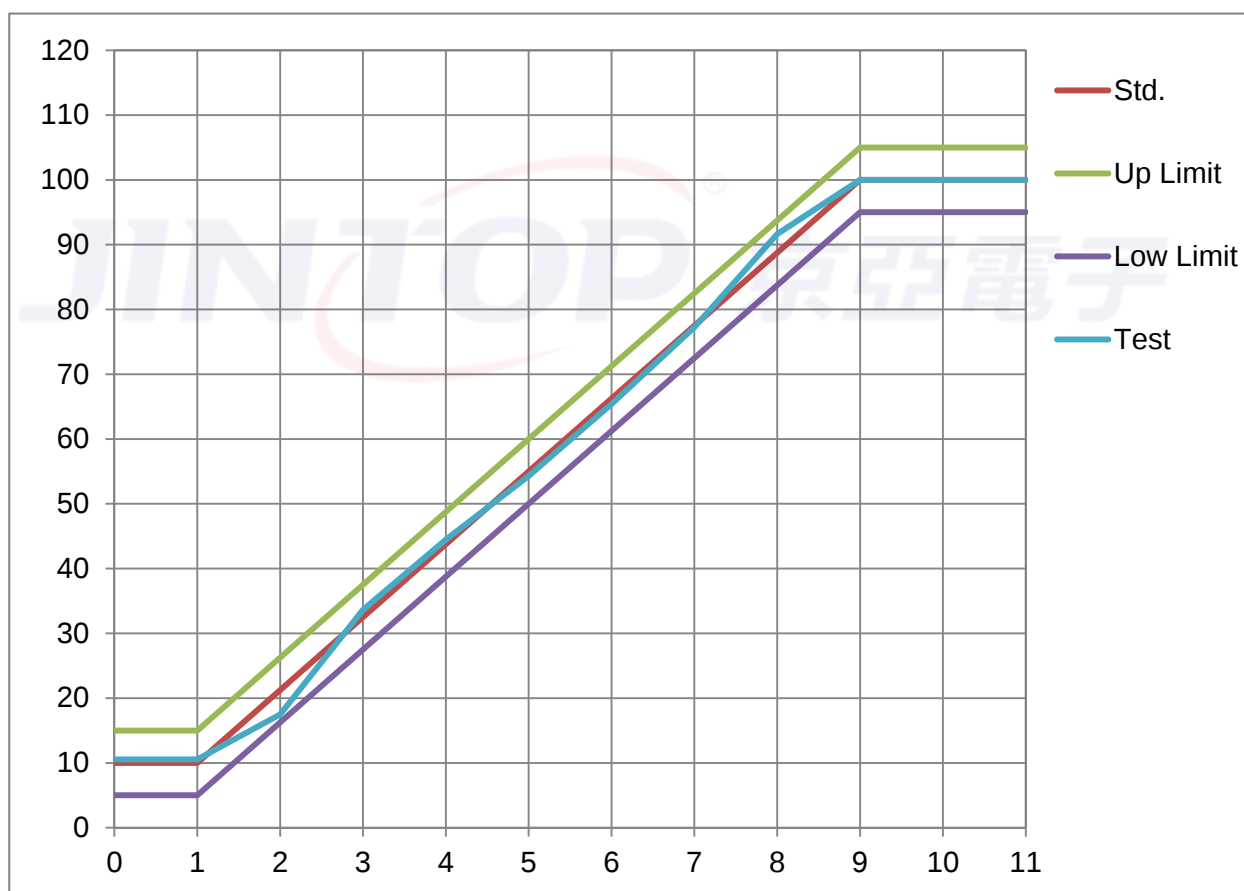
Dimming curve by DC source

Sample D

Ambient= -20degC

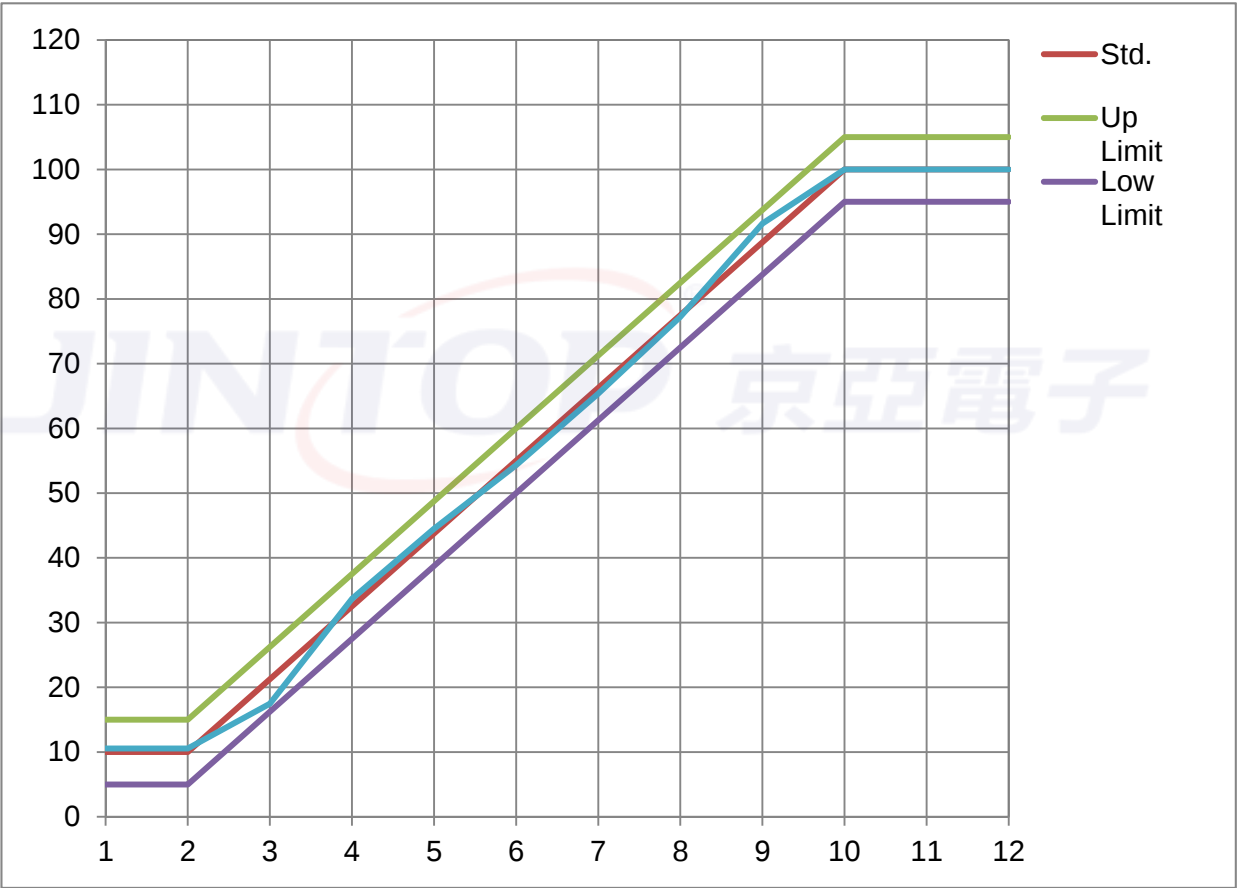
120VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	10.54	10.54	17.49	33.66	44.46	54.31	65.38	77.24	91.65	100	100	100
I	0.120	0.120	0.199	0.383	0.506	0.618	0.744	0.879	1.043	1.135	1.138	1.138



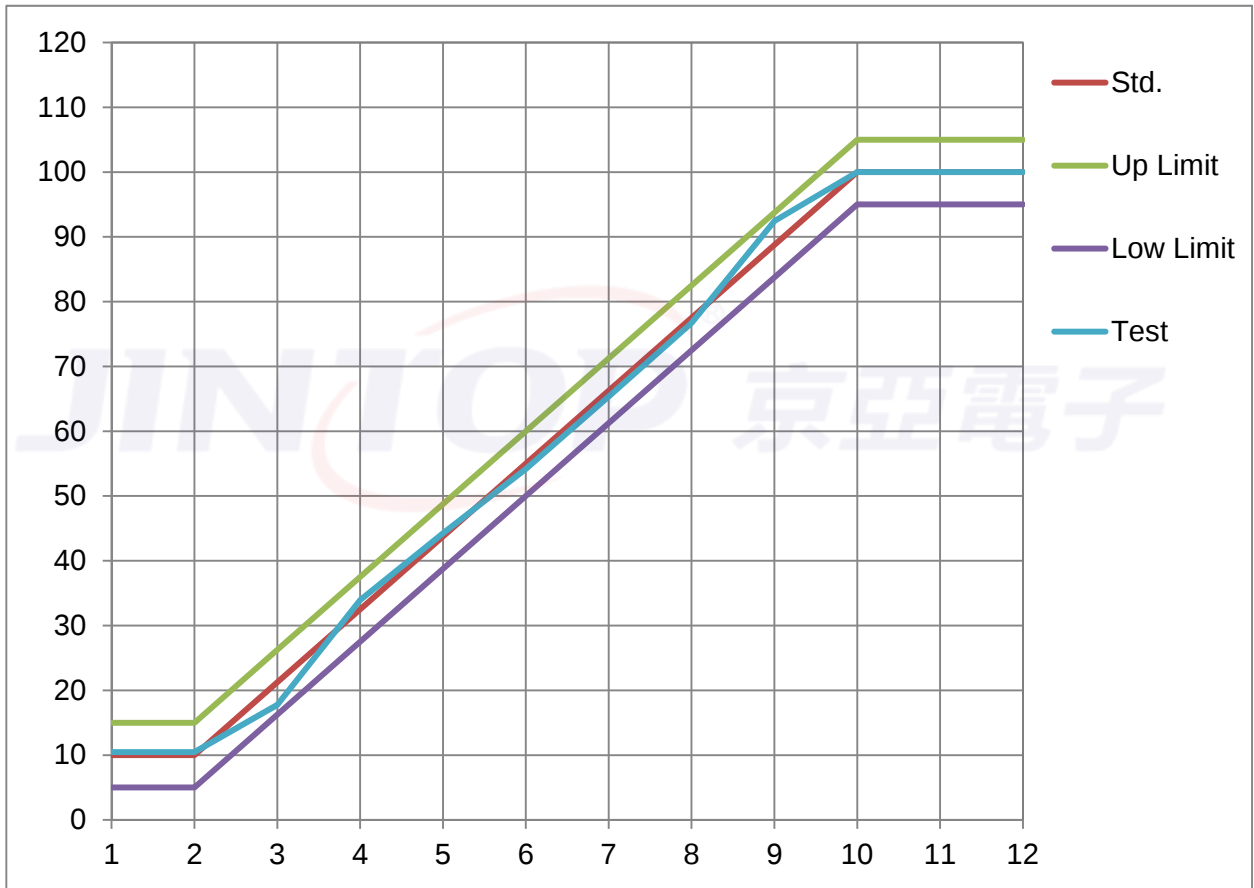
240VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	10.54	10.54	17.49	33.66	44.46	54.31	65.38	77.24	91.65	100	100	100
I	0.120	0.120	0.199	0.383	0.506	0.618	0.744	0.879	1.043	1.135	1.138	1.138



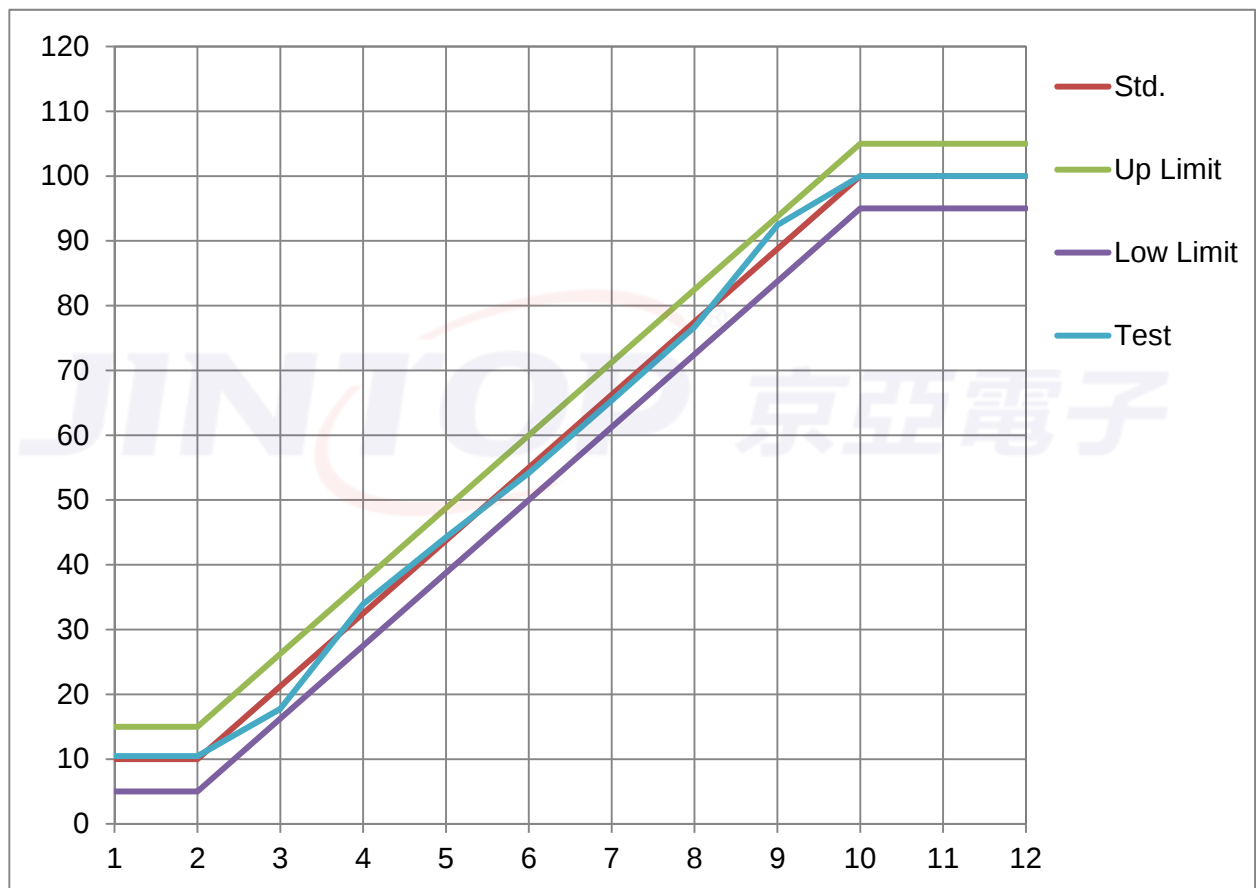
277VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	10.47	10.47	17.77	33.95	44.24	54.18	65.35	76.69	92.44	100	100	100
I	0.119	0.119	0.202	0.386	0.503	0.616	0.743	0.872	1.051	1.135	1.137	1.137



230VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	10.47	10.47	17.77	33.95	44.24	54.18	65.35	76.69	92.44	100	100	100
I	0.119	0.119	0.202	0.386	0.503	0.616	0.743	0.872	1.051	1.135	1.137	1.137



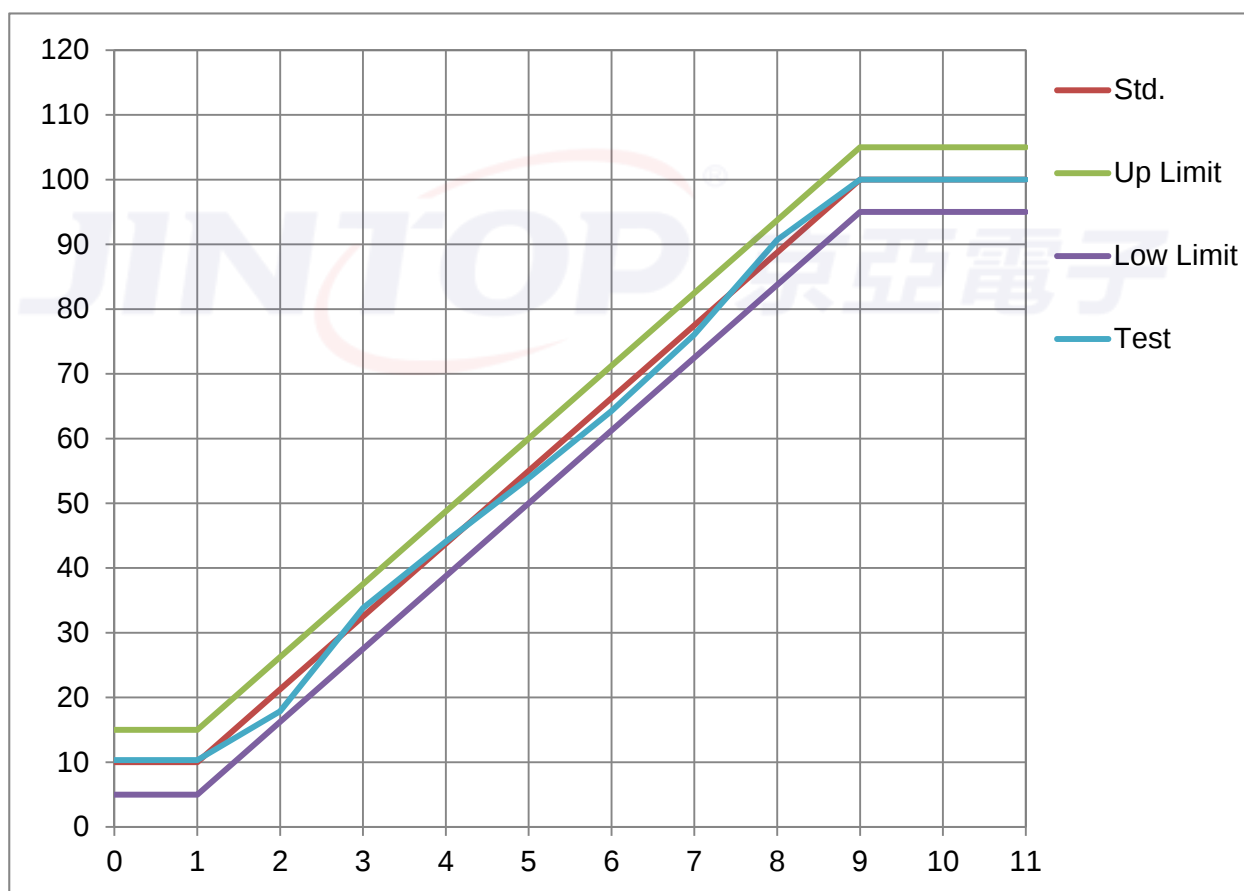
Dimming curve by dimmer

Sample D

Ambient= -20degC

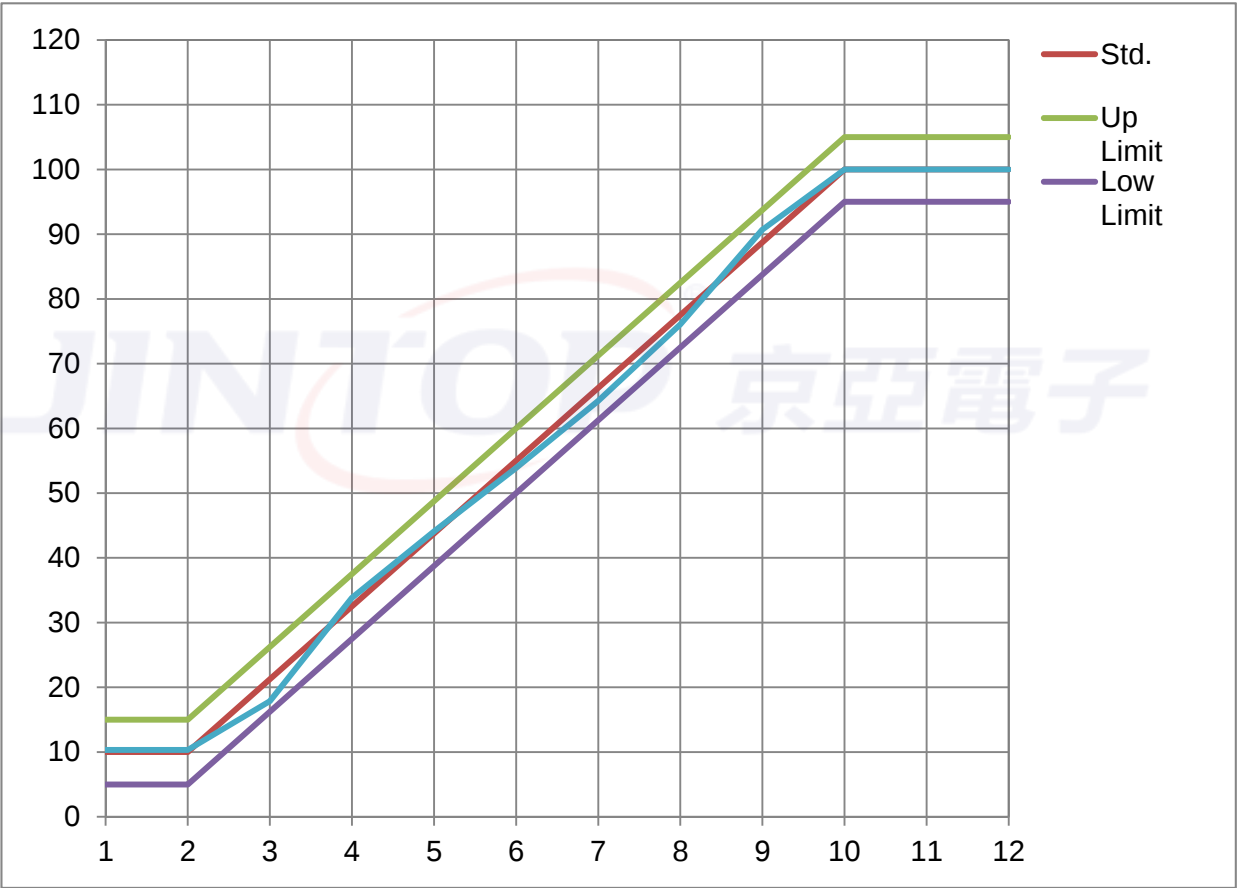
120VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	10.34	10.34	17.88	33.83	44.08	53.90	64.24	76.07	90.71	100	100	100
I	0.118	0.118	0.204	0.386	0.503	0.615	0.733	0.868	1.035	1.138	1.141	1.141



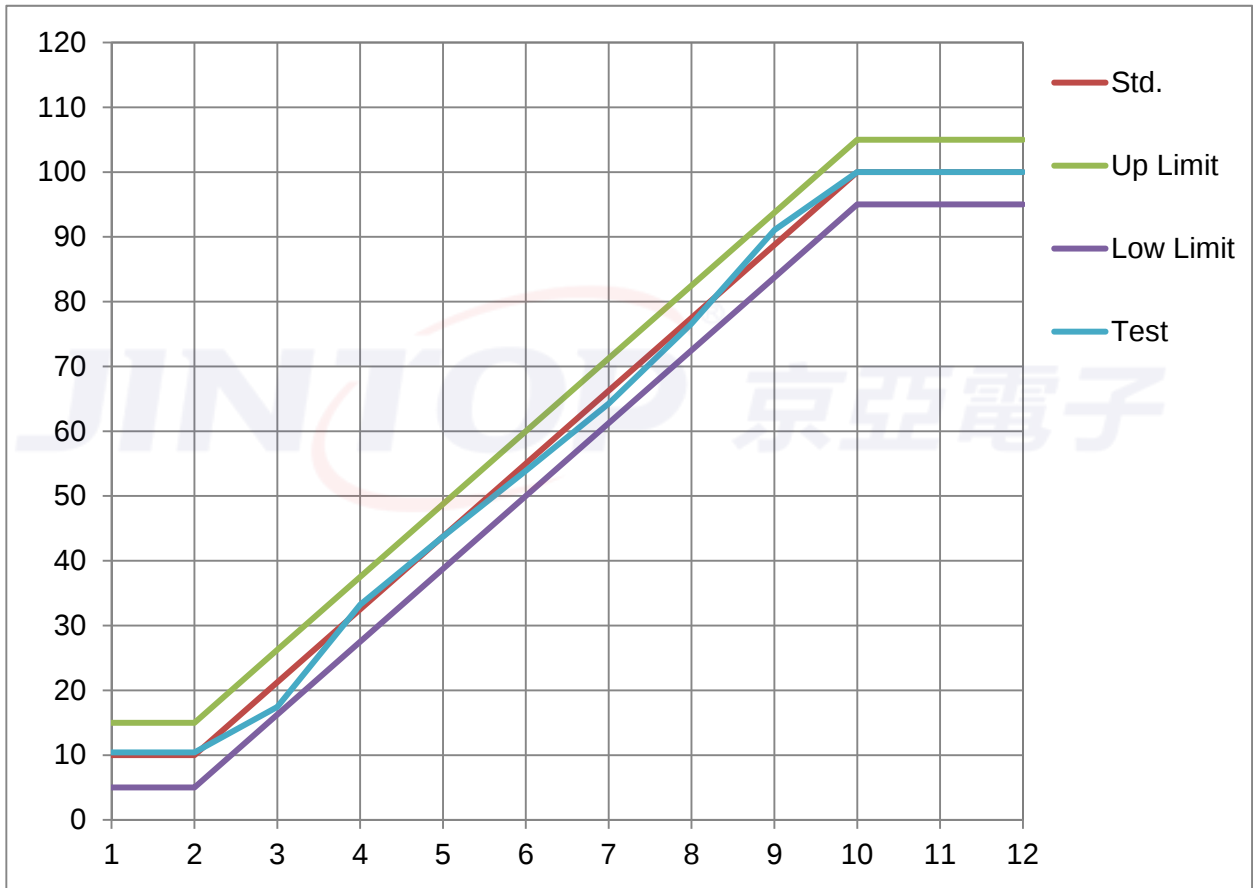
240VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	10.34	10.34	17.88	33.83	44.08	53.90	64.24	76.07	90.71	100	100	100
I	0.118	0.118	0.204	0.386	0.503	0.615	0.733	0.868	1.035	1.138	1.141	1.141



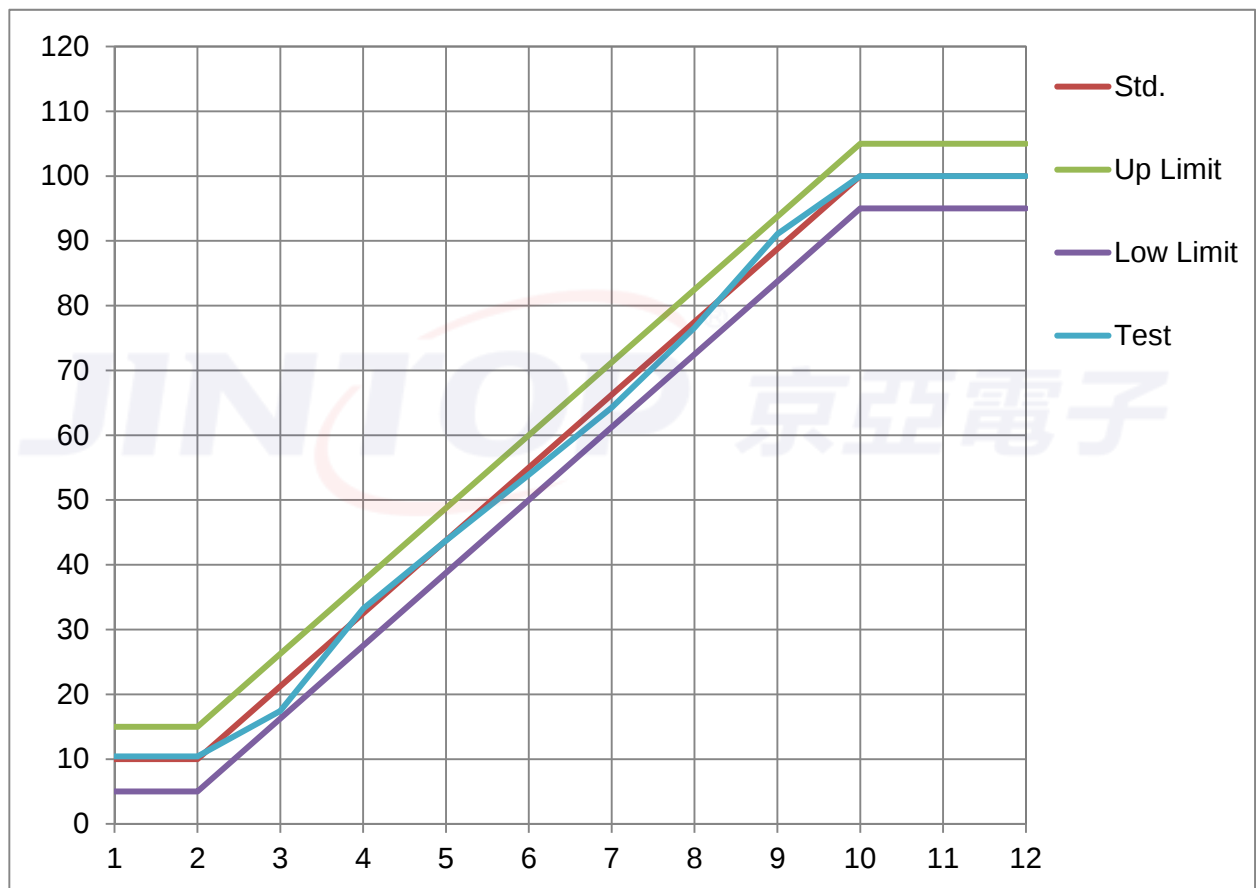
277VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	10.43	10.43	17.44	33.22	43.73	53.90	64.24	76.60	91.06	100	100	100
I	0.119	0.119	0.199	0.379	0.499	0.615	0.733	0.874	1.039	1.138	1.141	1.141



230VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	10.43	10.43	17.44	33.22	43.73	53.90	64.24	76.60	91.06	100	100	100
I	0.119	0.119	0.199	0.379	0.499	0.615	0.733	0.874	1.039	1.138	1.141	1.141



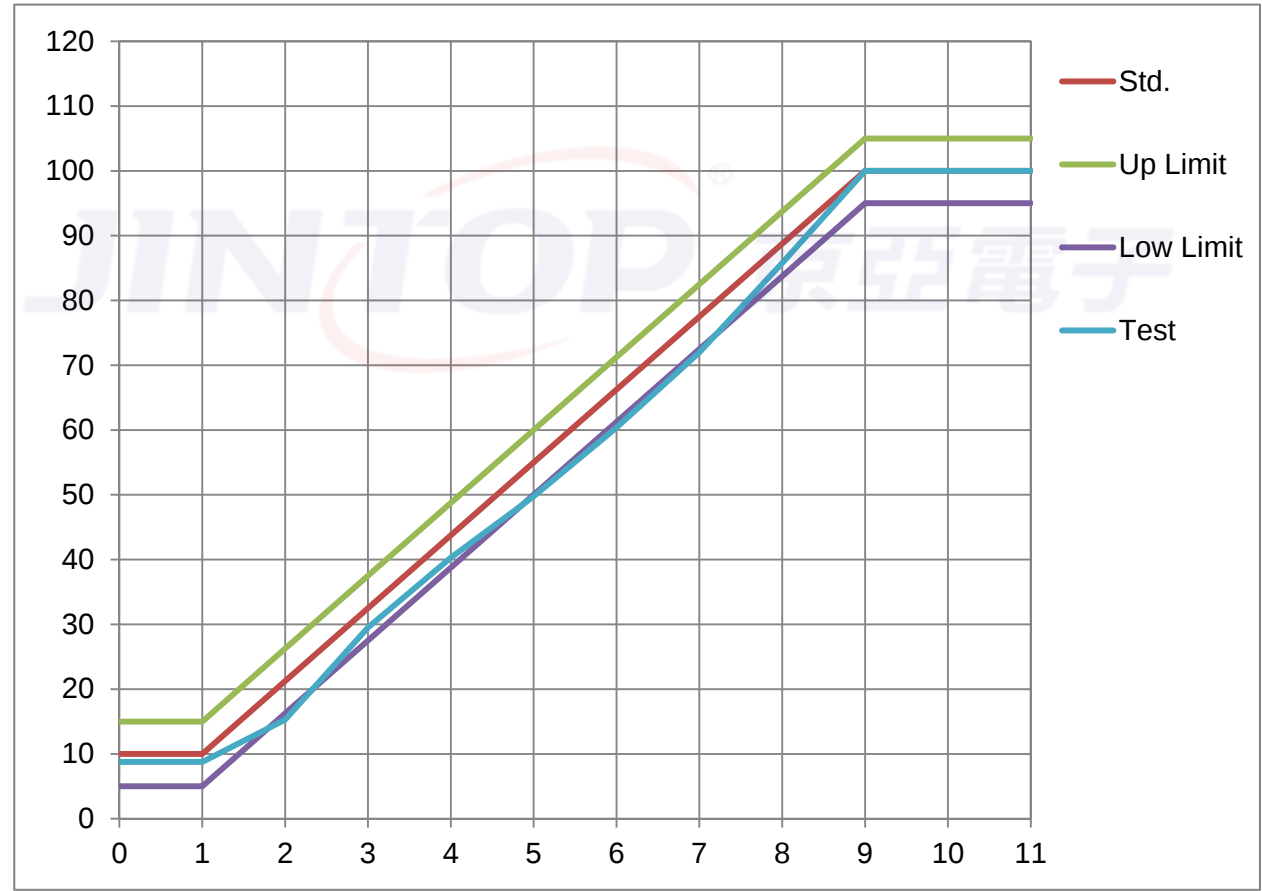
Dimming curve by DC source

Sample D

Ambient= 60degC

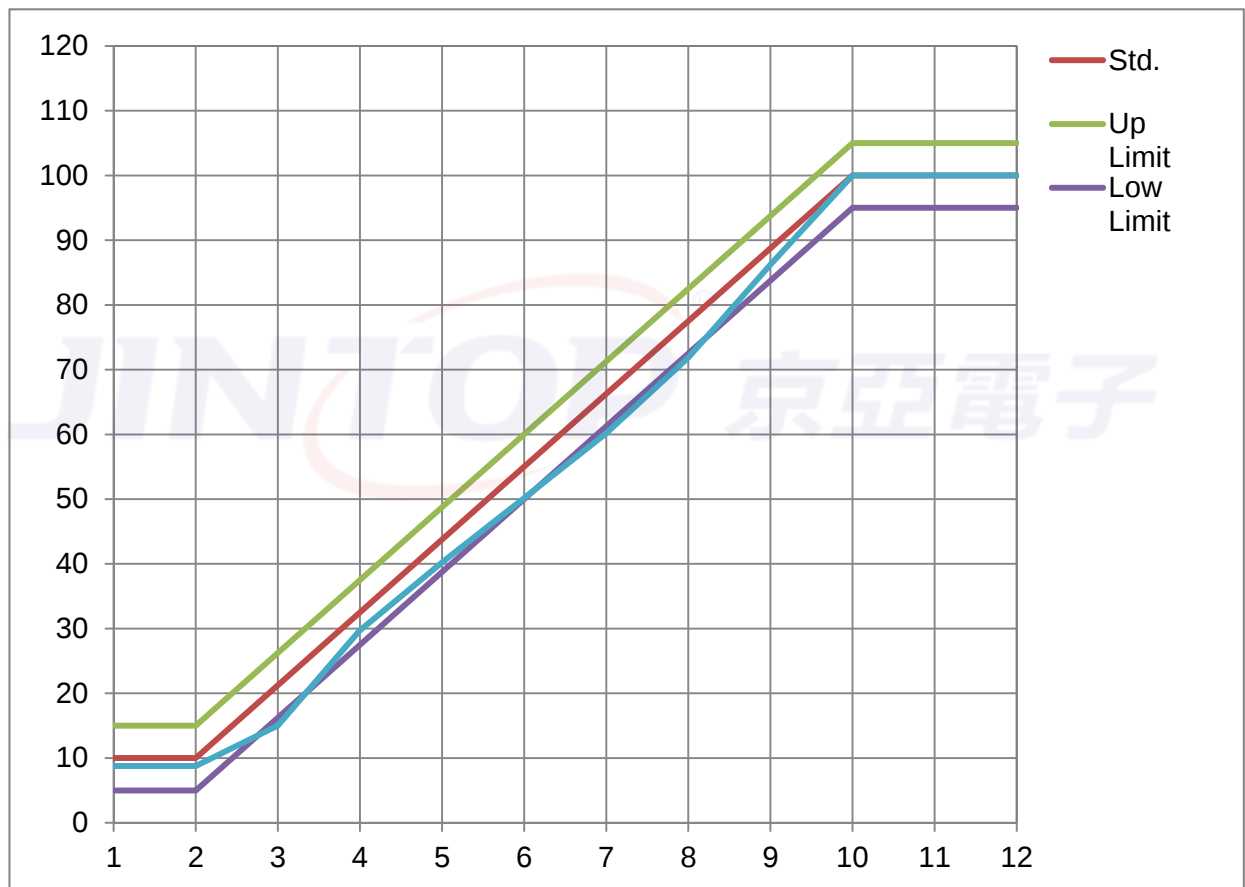
120VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	8.78	8.78	15.30	29.52	40.30	49.75	60.37	71.99	85.79	100	100	100
I	0.105	0.105	0.183	0.353	0.482	0.595	0.722	0.861	1.026	1.191	1.196	1.196



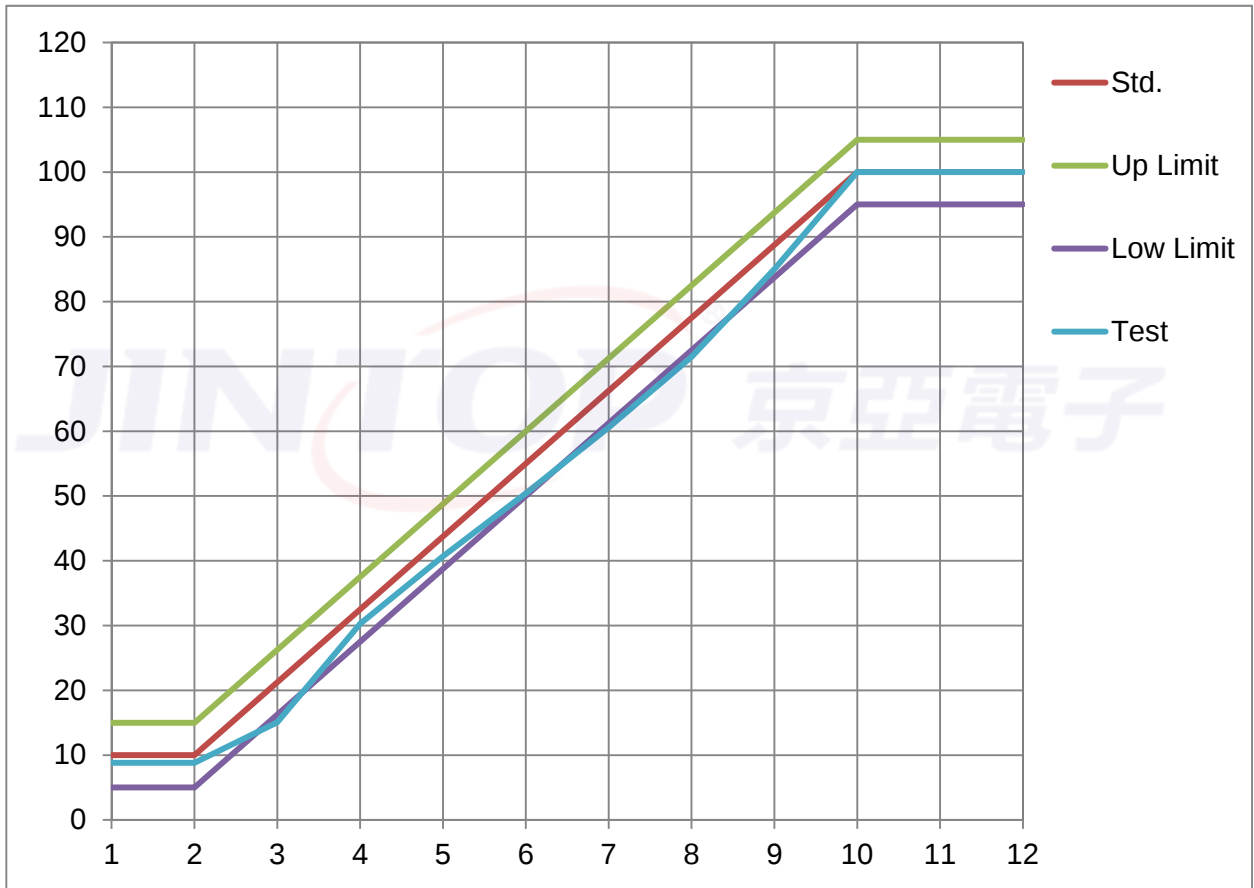
240VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	8.76	8.76	15.03	29.72	40.23	50.17	60.18	71.87	86.23	100	100	100
I	0.105	0.105	0.180	0.356	0.482	0.601	0.721	0.861	1.033	1.193	1.198	1.198



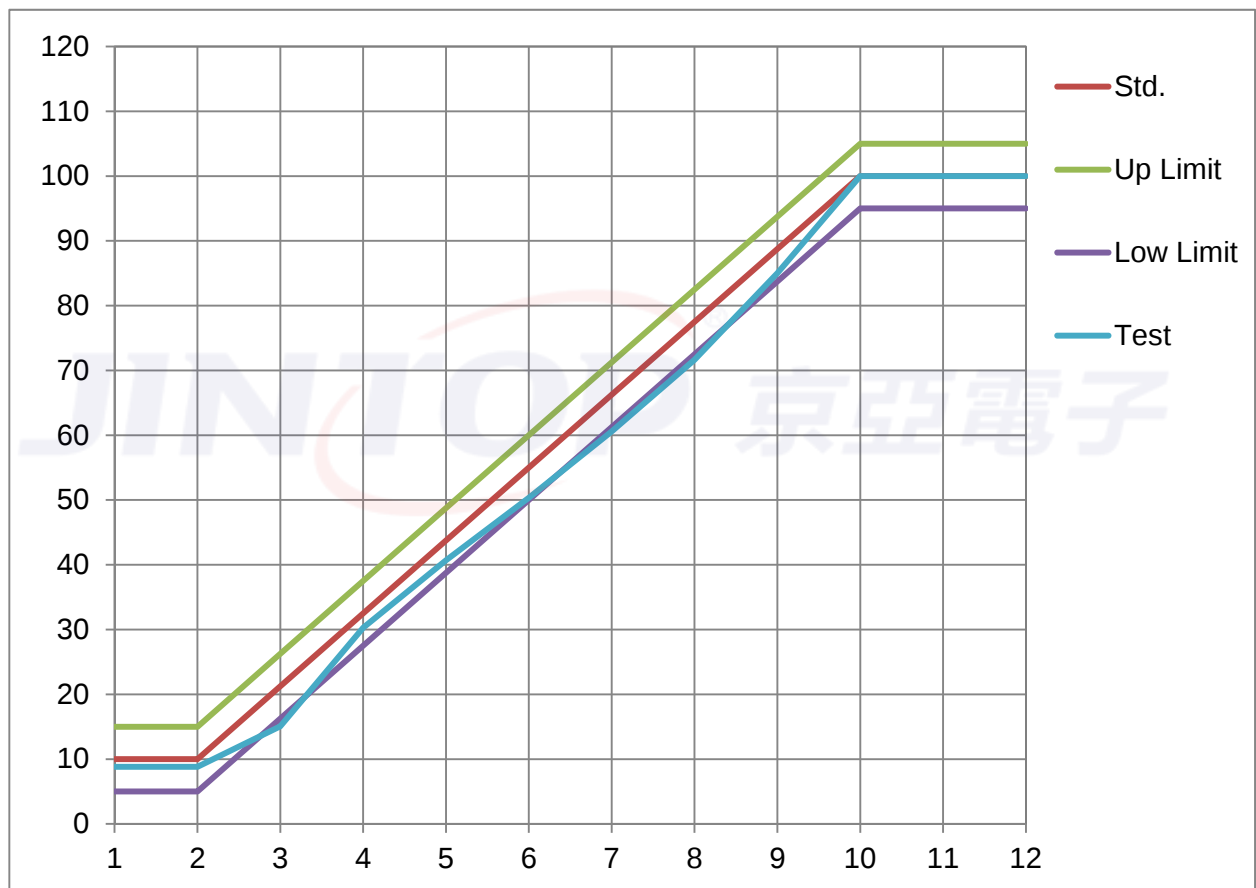
277VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	8.82	8.82	15.06	30.28	40.68	50.42	60.57	71.46	85.02	100	100	100
I	0.106	0.106	0.181	0.364	0.489	0.606	0.728	0.859	1.022	1.195	1.202	1.202



230VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	8.82	8.82	15.06	30.28	40.68	50.33	60.57	71.63	85.02	100	100	100
I	0.106	0.106	0.181	0.364	0.489	0.605	0.728	0.861	1.022	1.195	1.202	1.202



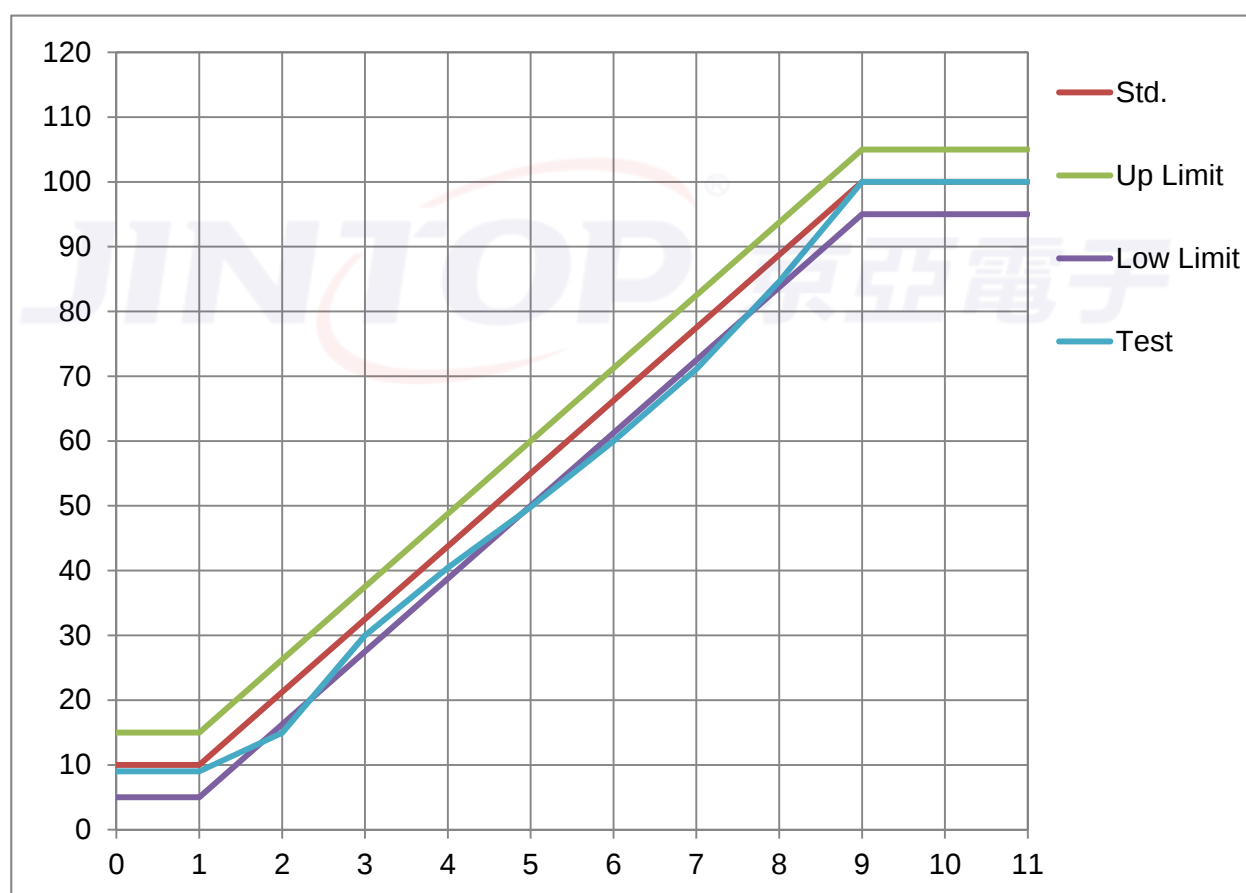
Dimming curve by dimmer

Sample D

Ambient= 60degC

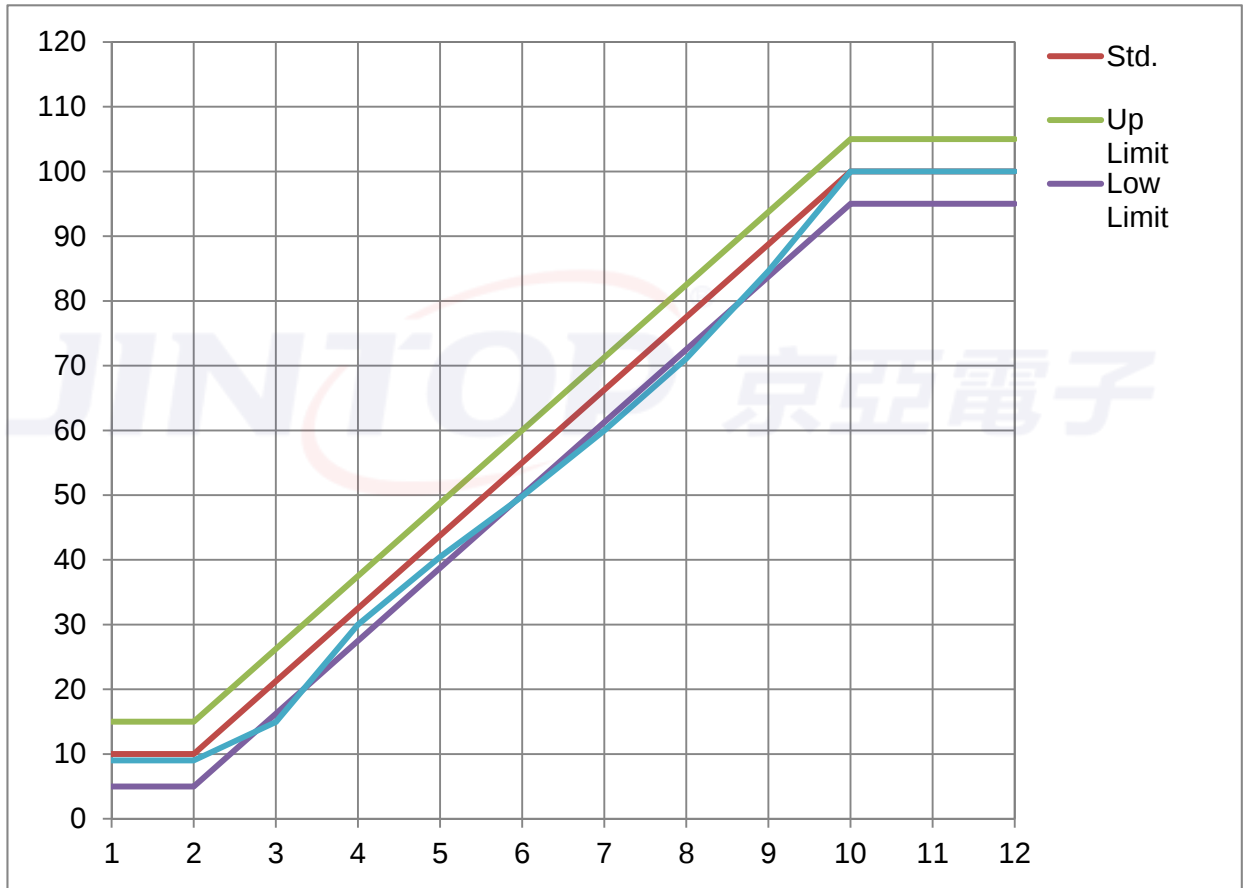
120VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	9.02	9.02	14.95	29.99	40.43	49.79	59.98	71.09	84.63	100	100	100
I		0.108	0.108	0.179	0.359	0.484	0.596	0.718	0.851	1.013	1.191	1.197



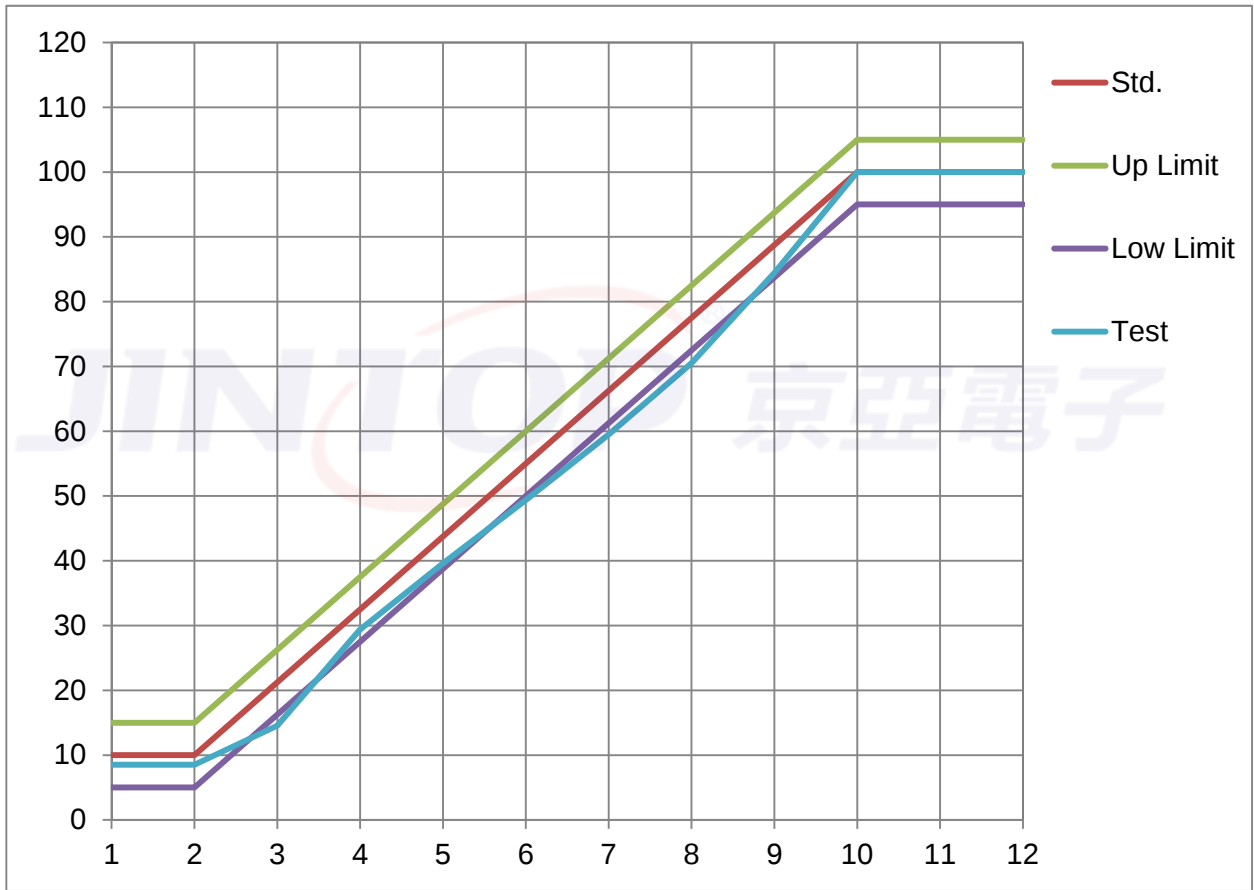
240VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	9.02	9.02	14.95	29.99	40.43	49.79	59.98	71.09	84.63	100	100	100
I	0.108	0.108	0.179	0.359	0.484	0.596	0.718	0.851	1.013	1.191	1.197	1.197



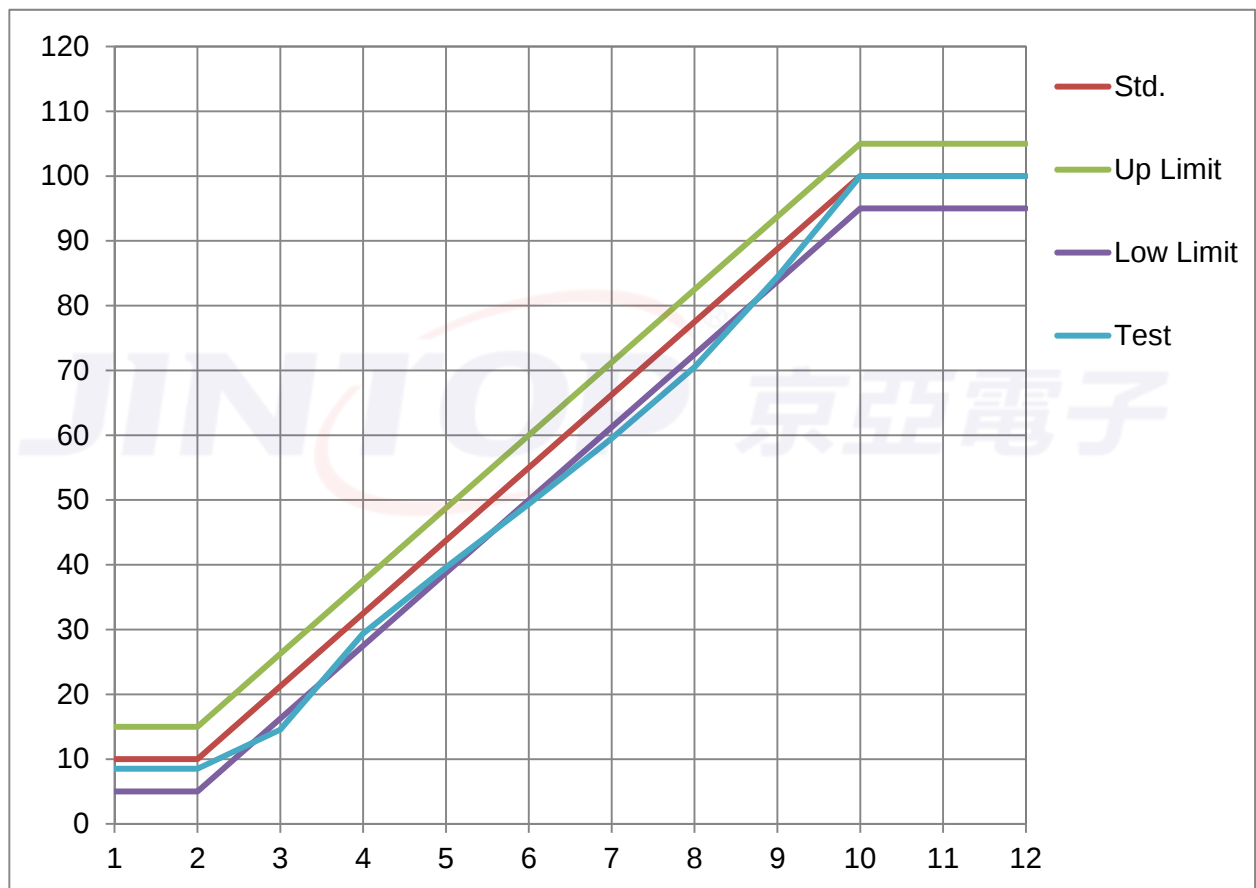
277VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	8.52	8.52	14.54	29.41	39.60	49.37	59.48	70.51	84.46	100	100	100
I	0.102	0.102	0.174	0.352	0.474	0.591	0.712	0.844	1.011	1.190	1.197	1.197



230VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	8.52	8.52	14.54	29.41	39.60	49.37	59.48	70.51	84.46	100	100	100
I	0.102	0.102	0.174	0.352	0.474	0.591	0.712	0.844	1.011	1.190	1.197	1.197



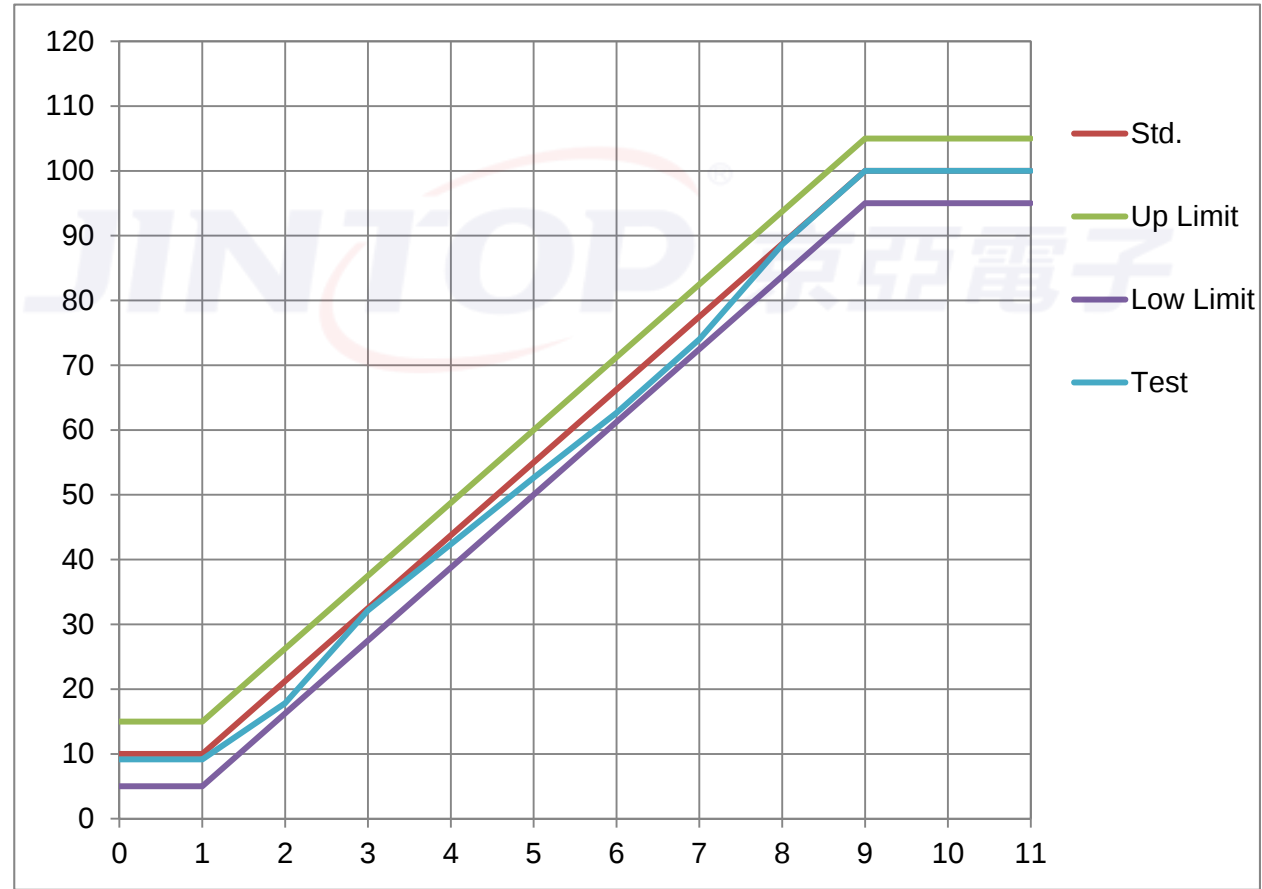
Dimming curve by DC source

Sample D

Ambient= 25degC

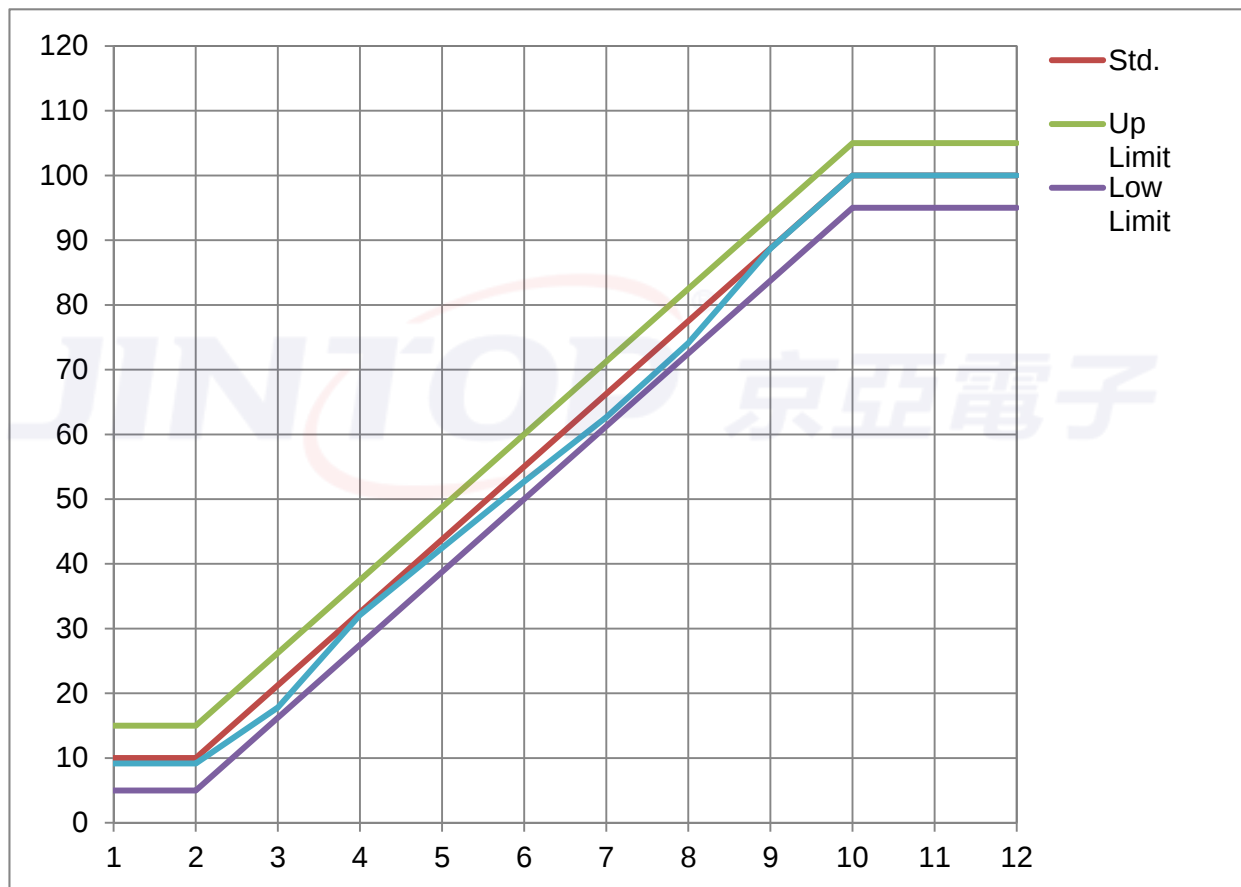
120VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	9.17	9.17	17.83	32.17	42.36	52.63	62.65	74.02	88.62	100	100	100
I	0.108	0.108	0.210	0.379	0.499	0.620	0.738	0.872	1.044	1.173	1.178	1.178



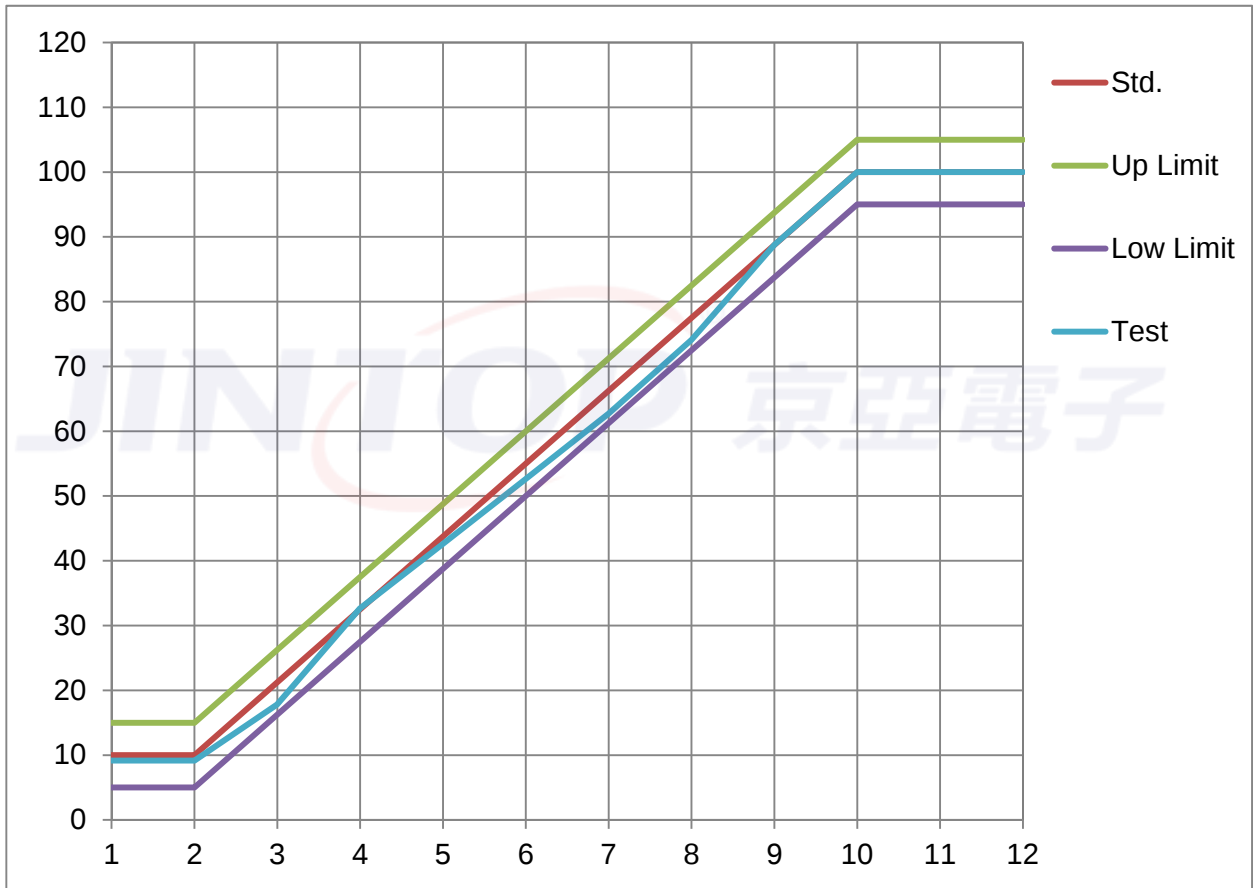
240VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	9.17	9.17	17.83	32.09	42.44	52.72	62.65	74.11	88.71	100	100	100
I	0.108	0.108	0.210	0.378	0.500	0.621	0.738	0.873	1.045	1.174	1.178	1.178



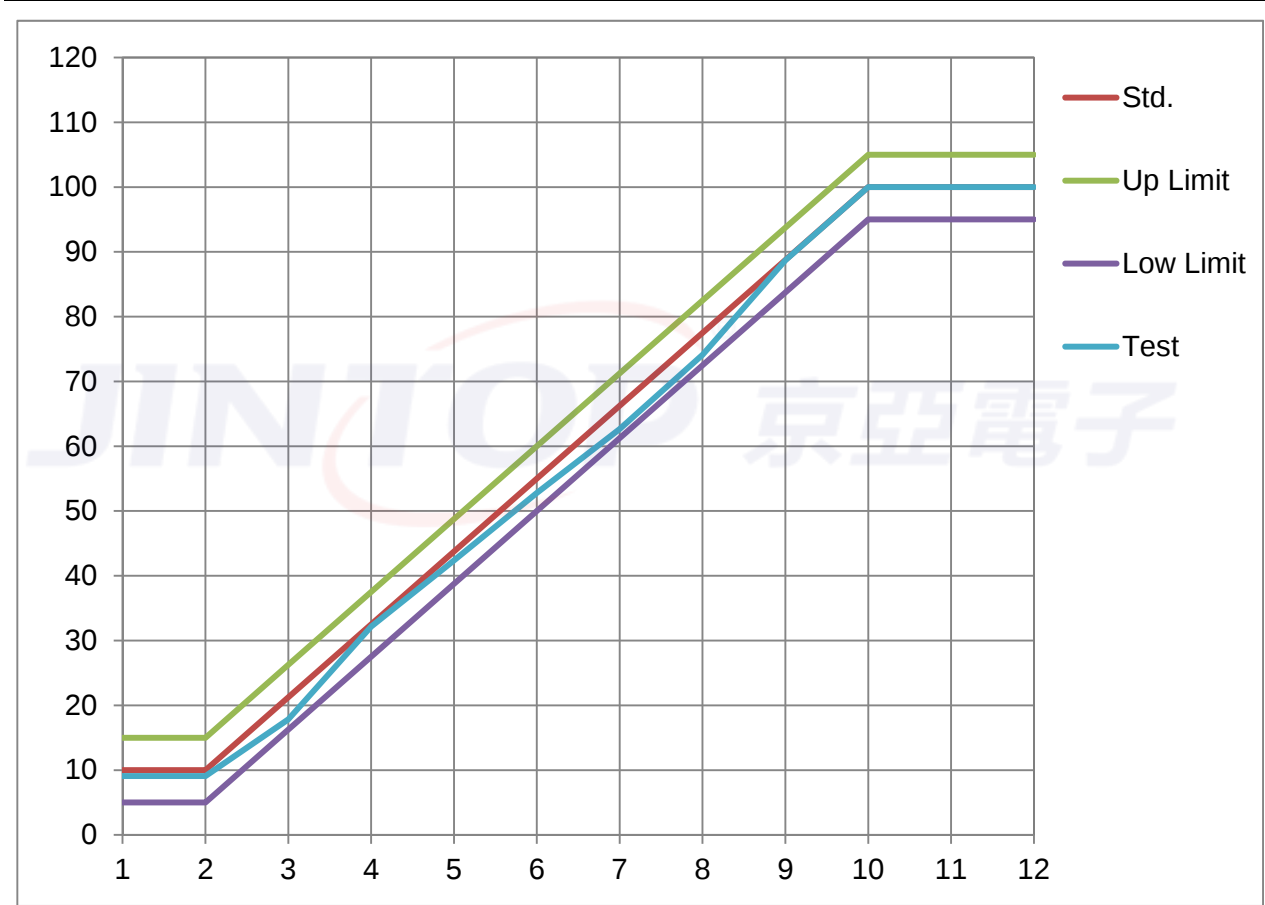
277VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	9.17	9.17	17.83	32.68	42.61	52.63	62.73	74.11	88.79	100	100	100
I	0.108	0.108	0.210	0.385	0.502	0.620	0.739	0.873	1.046	1.174	1.178	1.178



230VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	9.08	9.08	17.83	32.17	42.36	52.80	62.65	74.11	88.71	100	100	100
I	0.107	0.107	0.210	0.379	0.499	0.622	0.738	0.873	1.045	1.173	1.178	1.178



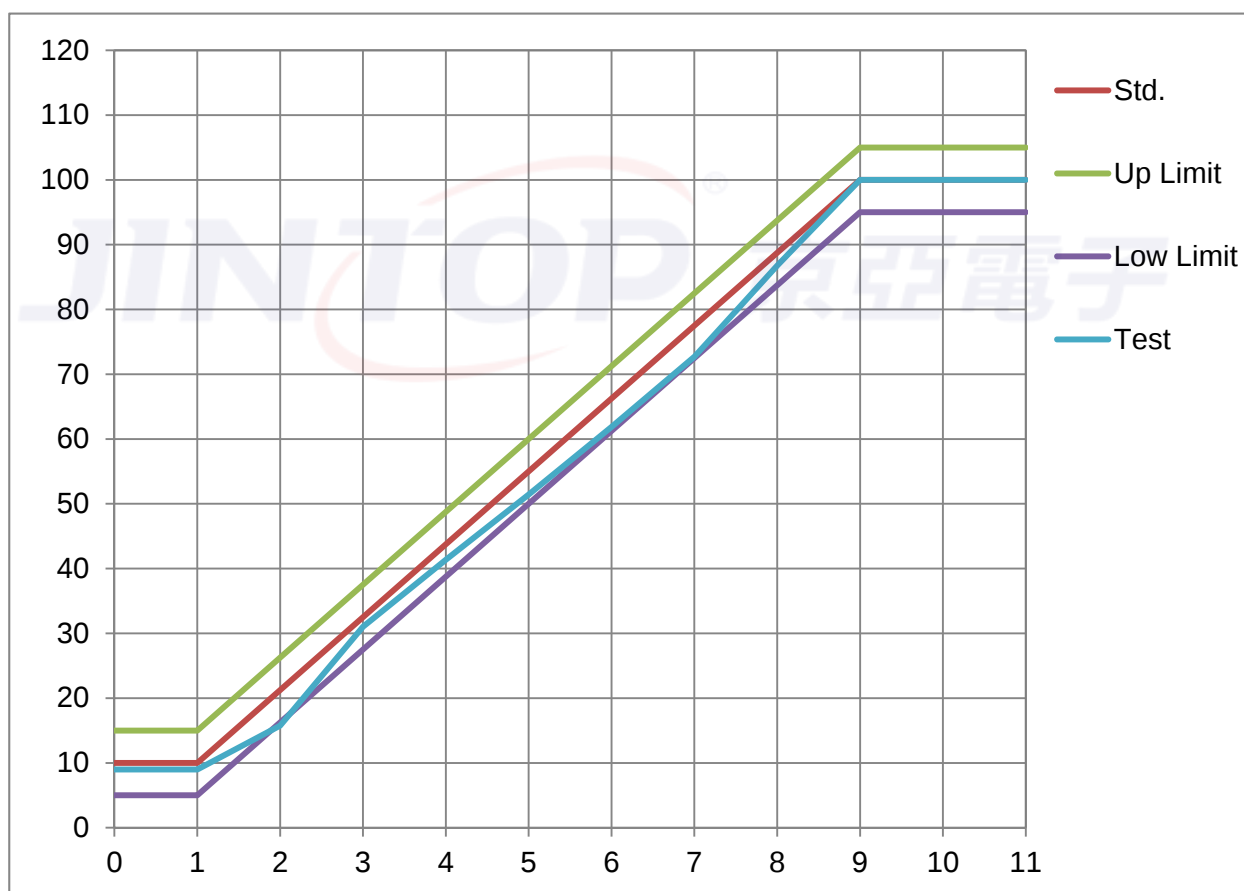
Dimming curve by dimmer

Sample D

Ambient= 25degC

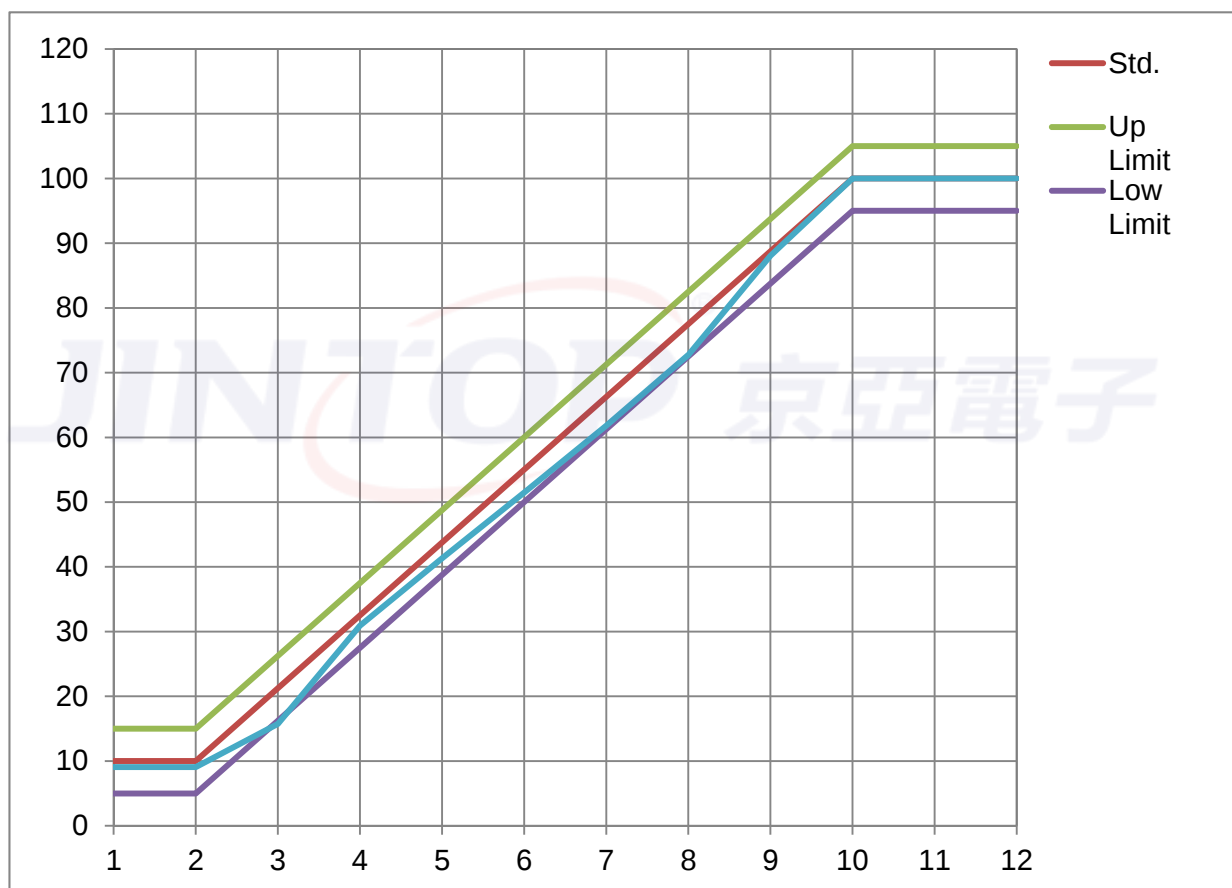
120VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	8.98	8.98	15.76	31.02	41.36	51.44	61.86	72.71	86.78	100	100	100
I	0.106	0.106	0.186	0.366	0.488	0.607	0.730	0.858	1.024	1.175	1.180	1.180



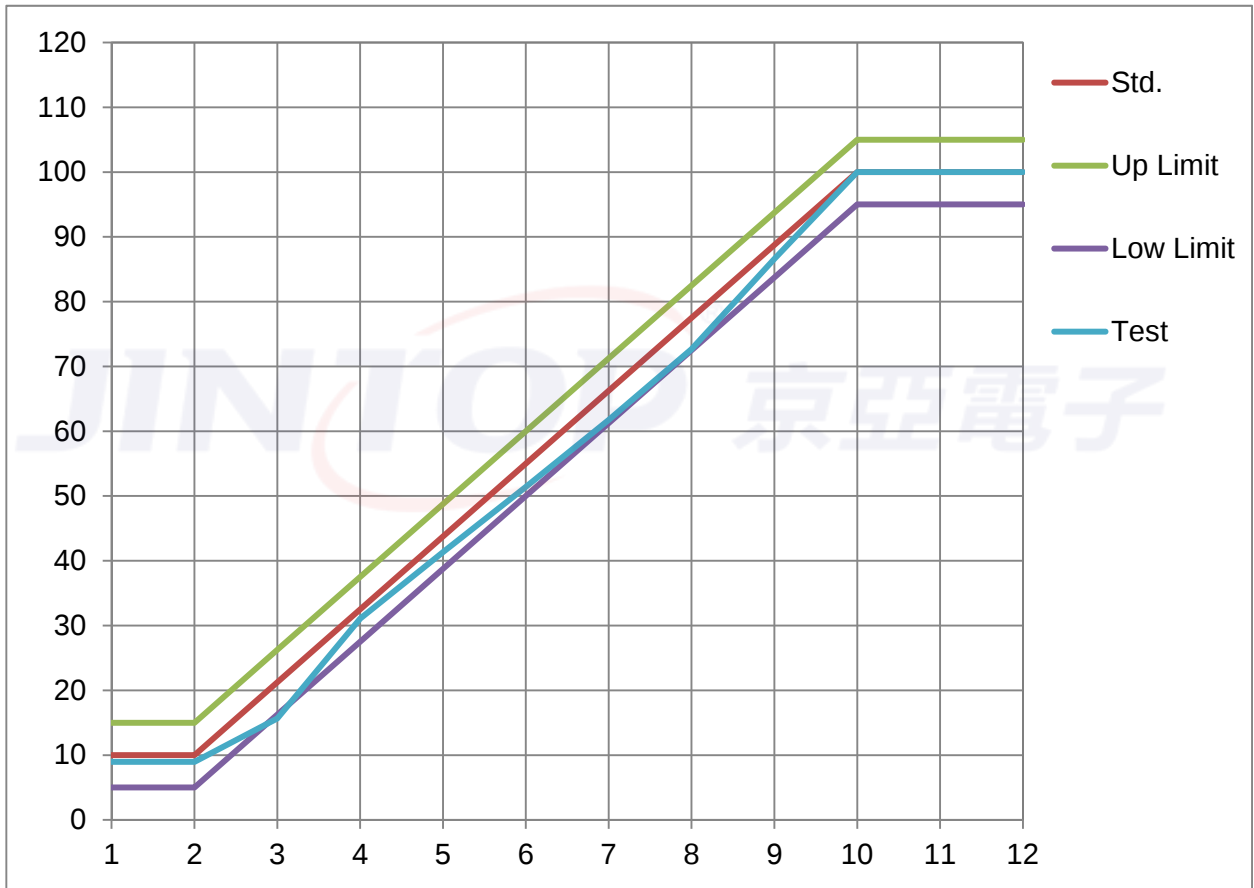
240VAC/60Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	9.06	9.06	15.75	30.91	41.32	51.48	61.81	72.73	88.06	100	100	100
I	0.107	0.107	0.186	0.365	0.488	0.608	0.730	0.859	1.040	1.174	1.181	1.181



277VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	8.98	8.98	15.66	31.08	41.32	51.40	61.73	72.65	86.62	100	100	100
I	0.106	0.106	0.185	0.367	0.488	0.607	0.729	0.858	1.023	1.175	1.181	1.181



230VAC/50Hz

V	0	1	2	3	4	5	6	7	8	9	10	11
Std.	10	10	21.25	32.5	43.75	55	66.25	77.5	88.75	100	100	100
Up Limit	15	15	26.25	37.5	48.75	60	71.25	82.5	93.75	105	105	105
Low Limit	5	5	16.25	27.5	38.75	50	61.25	72.5	83.75	95	95	95
Test	8.98	8.98	15.75	30.99	41.24	51.40	61.73	72.65	86.54	100	100	100
I	0.106	0.106	0.186	0.366	0.487	0.607	0.729	0.858	1.022	1.174	1.181	1.181

