

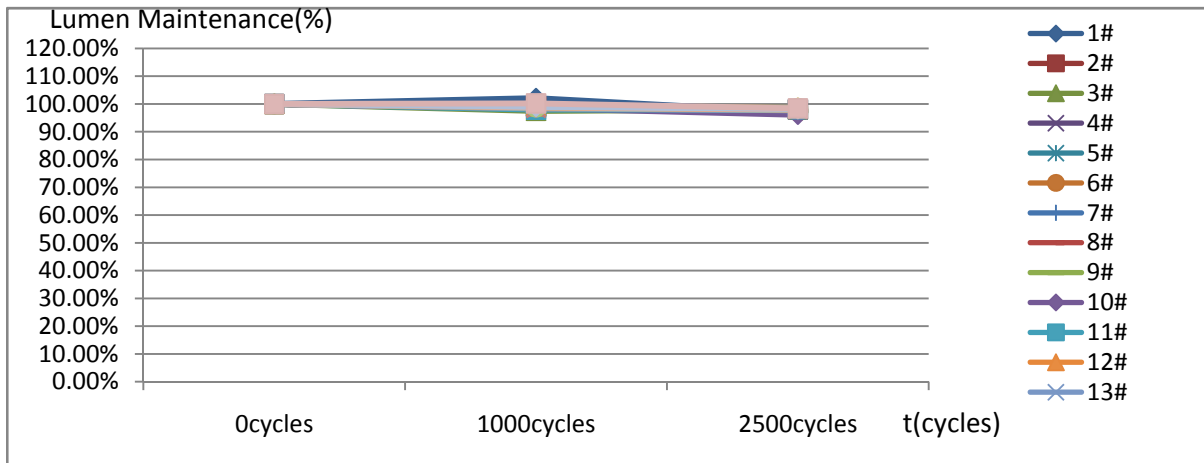
检测报告(内部)

报告编号: LAB0204207-04

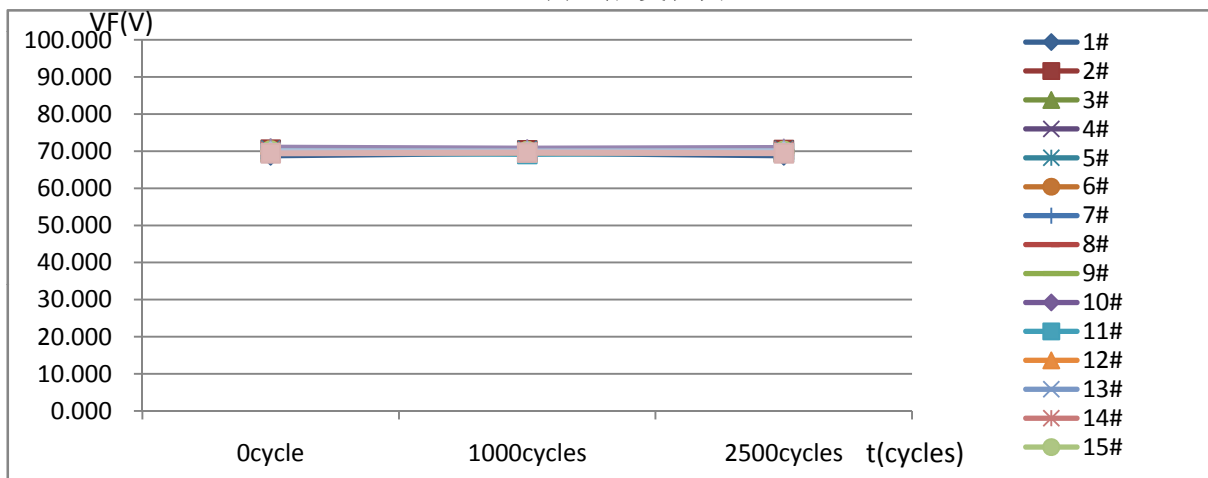
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1. 客户名称: 深圳瑞丰品质管理中心生产产品品质保证课/张多多
2. 样品编号: 1#~20#
3. 产品规格/型号: RF-FT4FW2K68-T3-B/SC12-200300004
4. 检测时间: 2020.05.27~2020.06.05
5. 检测设备: LED阵列快速测试系统(G118471CA833115); FLUKE万用表(34700492WS);
 显微镜(MT 4X); DSX500光学电子显微镜(4B43960); DC POWER SUPPLY(160303750)
6. 环境条件: (22~28) °C, (30~70) %RH
7. 检测依据标准: LED的测量 CIE127: 2007
8. 检测项目: 常温开关老化试验
9. 检测条件: 无预处理:
 25°C, 老化时间2500C, 2.5min On-2.5min Off 老化电流15mA, 测试电流15mA,
 积分球2π测试, 测试点: 0cycles, 1000cycles, 2500cycles

Φ (lm) 试验变化图



VF (V) 试验变化图



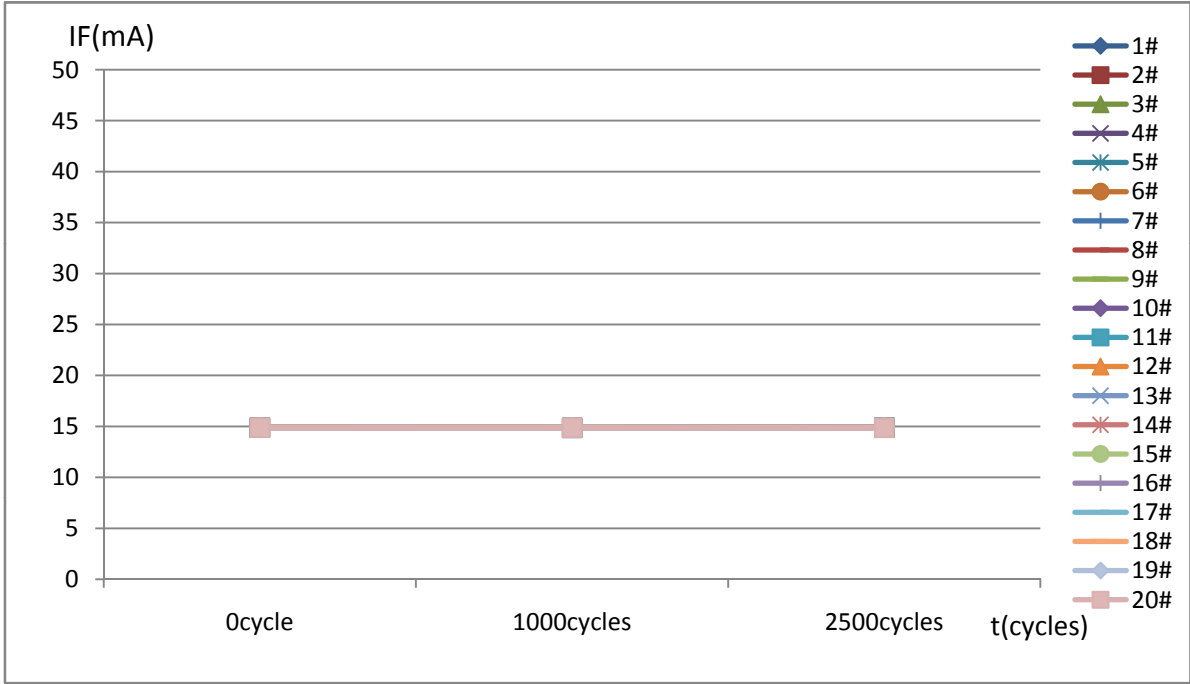
检测: 黄凯 2020.06.13

审核: 张水城 2020.06.15

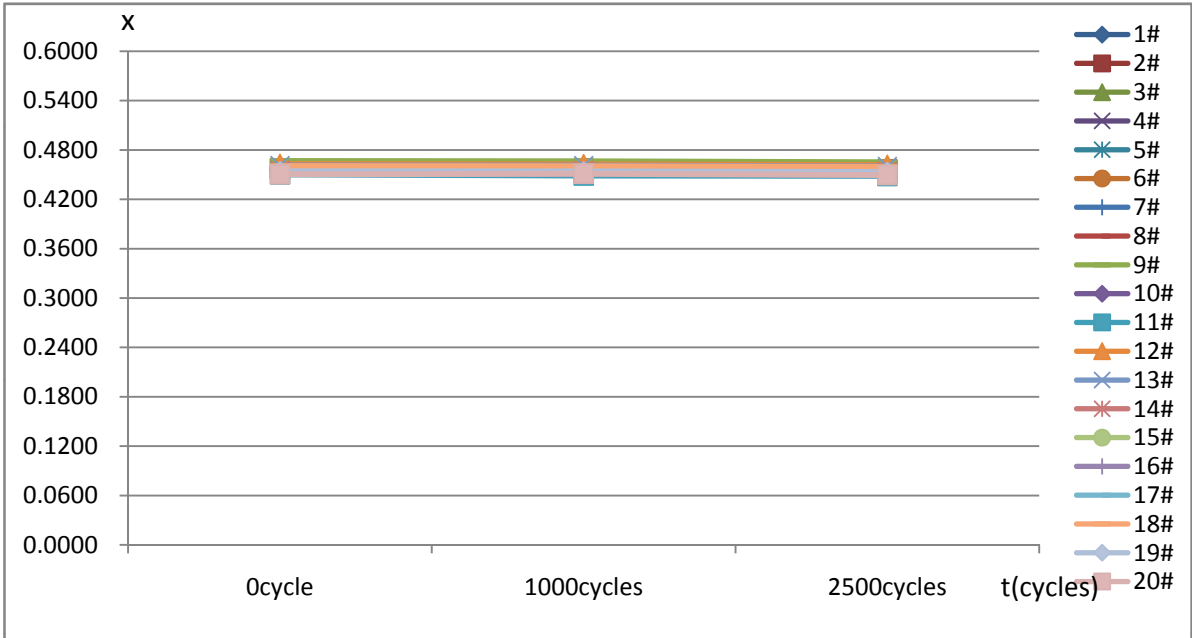
批准: 张列祥 2020.06.20

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实测电流变化图

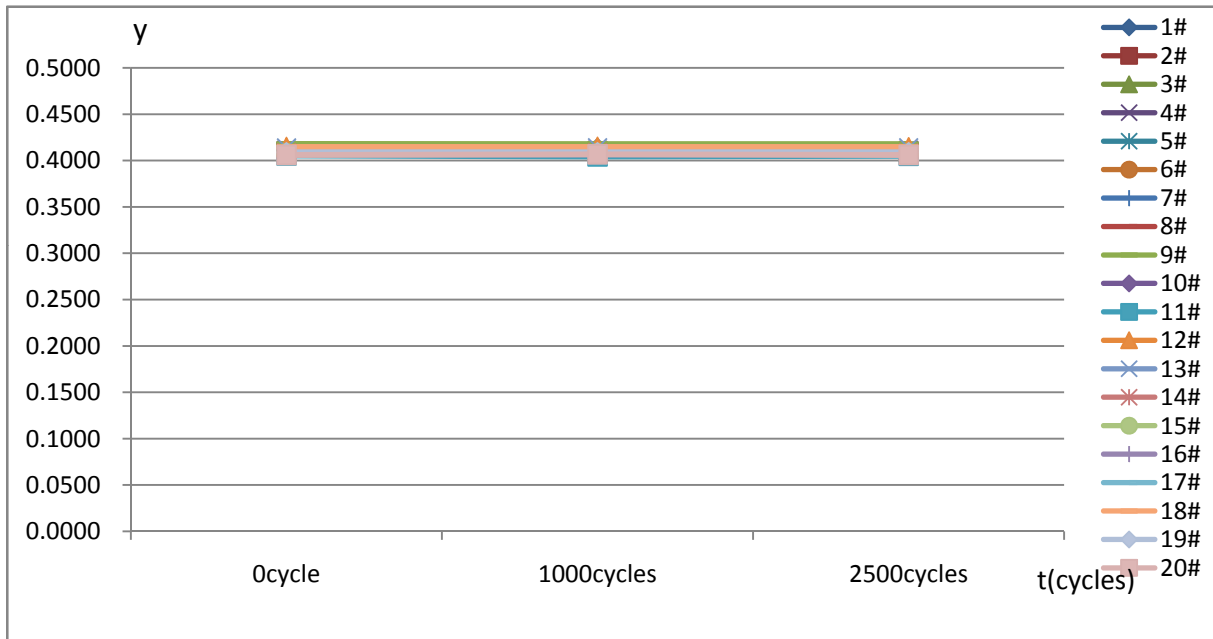


x试验变化图



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y试验变化图



序号	Φ (lm)			Lumen Maintenance (%)		
	0cycle	1000cycles	2500cycles	0cycles	1000cycles	2500cycles
1#	53.39	54.51	51.81	100.00%	102.10%	97.04%
2#	62.51	61.92	61.27	100.00%	99.06%	98.02%
3#	62.64	61.06	61.41	100.00%	97.48%	98.04%
4#	60.35	59.72	59.15	100.00%	98.96%	98.01%
5#	56.64	55.94	55.49	100.00%	98.76%	97.97%
6#	55.53	54.60	54.08	100.00%	98.33%	97.39%
7#	61.76	60.95	60.20	100.00%	98.69%	97.47%
8#	63.55	62.70	61.95	100.00%	98.66%	97.48%
9#	61.18	60.34	59.47	100.00%	98.63%	97.20%
10#	58.83	57.91	56.54	100.00%	98.44%	96.11%
11#	57.21	56.03	56.13	100.00%	97.94%	98.11%
12#	60.24	59.70	59.39	100.00%	99.10%	98.59%
13#	62.63	61.77	61.44	100.00%	98.63%	98.10%
14#	62.21	61.21	60.92	100.00%	98.39%	97.93%
15#	56.63	55.96	55.82	100.00%	98.82%	98.57%
16#	56.36	55.55	55.39	100.00%	98.56%	98.28%
17#	61.00	60.05	59.60	100.00%	98.44%	97.70%
18#	63.71	62.89	62.41	100.00%	98.71%	97.96%
19#	61.81	61.15	60.66	100.00%	98.93%	98.14%
20#	57.11	57.23	56.21	100.00%	100.21%	98.42%
Max	63.71	62.89	62.41	100.00%	102.10%	98.59%
Min	53.39	54.51	51.81	100.00%	97.48%	96.11%
Avg	59.76	59.06	58.47	100.00%	98.84%	97.83%

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序号	VF(V)			△VF(V)	
	0cycle	1000cycles	2500cycles	1000cycles	2500cycles
1#	68.878	69.554	68.878	0.98%	0.00%
2#	70.446	70.261	70.338	-0.26%	-0.15%
3#	70.534	69.880	70.403	-0.93%	-0.19%
4#	70.065	69.924	69.978	-0.20%	-0.12%
5#	70.403	70.240	70.305	-0.23%	-0.14%
6#	70.283	70.109	70.185	-0.25%	-0.14%
7#	70.348	70.174	70.261	-0.25%	-0.12%
8#	69.989	69.815	69.946	-0.25%	-0.06%
9#	69.760	69.652	69.728	-0.15%	-0.05%
10#	70.327	70.152	70.207	-0.25%	-0.17%
11#	69.630	69.260	69.630	-0.53%	0.00%
12#	69.880	69.804	69.858	-0.11%	-0.03%
13#	69.935	69.858	69.902	-0.11%	-0.05%
14#	69.989	69.924	70.033	-0.09%	0.06%
15#	70.185	70.033	70.076	-0.22%	-0.16%
16#	70.980	70.730	70.871	-0.35%	-0.15%
17#	69.967	69.869	69.924	-0.14%	-0.06%
18#	69.706	69.652	69.662	-0.08%	-0.06%
19#	69.978	69.935	69.967	-0.06%	-0.02%
20#	69.423	69.630	69.445	0.30%	0.03%

序号	IF (mA)		
	0cycle	1000cycles	2500cycles
1#	14.87	14.88	14.87
2#	14.89	14.87	14.88
3#	14.88	14.87	14.88
4#	14.88	14.88	14.87
5#	14.88	14.87	14.87
6#	14.87	14.89	14.88
7#	14.88	14.89	14.88
8#	14.88	14.88	14.88
9#	14.87	14.87	14.88
10#	14.87	14.87	14.87
11#	14.89	14.87	14.88
12#	14.88	14.88	14.87
13#	14.88	14.88	14.88
14#	14.88	14.87	14.88
15#	14.88	14.89	14.88
16#	14.87	14.89	14.88
17#	14.88	14.88	14.88
18#	14.88	14.88	14.88
19#	14.88	14.88	14.87
20#	14.88	14.88	14.87

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序号	x			Δx	
	0cycle	1000cycles	2500cycles	1000cycles	2500cycles
1#	0.4575	0.4591	0.4553	0.0016	-0.0022
2#	0.4577	0.4574	0.4564	-0.0003	-0.0013
3#	0.4569	0.4555	0.4556	-0.0014	-0.0013
4#	0.4562	0.4558	0.4549	-0.0004	-0.0013
5#	0.4530	0.4528	0.4518	-0.0002	-0.0012
6#	0.4547	0.4543	0.4534	-0.0004	-0.0013
7#	0.4559	0.4556	0.4546	-0.0003	-0.0013
8#	0.4571	0.4568	0.4555	-0.0003	-0.0016
9#	0.4666	0.4661	0.4650	-0.0005	-0.0016
10#	0.4544	0.4542	0.4523	-0.0002	-0.0021
11#	0.4502	0.4489	0.4484	-0.0013	-0.0018
12#	0.4629	0.4625	0.4617	-0.0004	-0.0012
13#	0.4611	0.4610	0.4600	-0.0001	-0.0011
14#	0.4551	0.4549	0.4543	-0.0002	-0.0008
15#	0.4522	0.4521	0.4513	-0.0001	-0.0009
16#	0.4513	0.4509	0.4504	-0.0004	-0.0009
17#	0.4599	0.4596	0.4588	-0.0003	-0.0011
18#	0.4603	0.4601	0.4593	-0.0002	-0.0010
19#	0.4541	0.4539	0.4531	-0.0002	-0.0010
20#	0.4505	0.4510	0.4494	0.0005	-0.0011

序号	y			Δy	
	0cycle	1000cycles	2500cycles	1000cycles	2500cycles
1#	0.4117	0.4133	0.4112	0.0016	-0.0005
2#	0.4097	0.4097	0.4094	0.0000	-0.0003
3#	0.4097	0.4088	0.4095	-0.0009	-0.0002
4#	0.4112	0.4111	0.4111	-0.0001	-0.0001
5#	0.4069	0.4068	0.4067	-0.0001	-0.0002
6#	0.4081	0.4080	0.4076	-0.0001	-0.0005
7#	0.4087	0.4088	0.4085	0.0001	-0.0002
8#	0.4093	0.4092	0.4090	-0.0001	-0.0003
9#	0.4179	0.4178	0.4177	-0.0001	-0.0002
10#	0.4088	0.4088	0.4083	0.0000	-0.0005
11#	0.4055	0.4045	0.4052	-0.0010	-0.0003
12#	0.4146	0.4147	0.4145	0.0001	-0.0001
13#	0.4138	0.4139	0.4139	0.0001	0.0001
14#	0.4083	0.4084	0.4083	0.0001	0.0000
15#	0.4081	0.4081	0.4079	0.0000	-0.0002
16#	0.4069	0.4067	0.4069	-0.0002	0.0000
17#	0.4129	0.4129	0.4129	0.0000	0.0000
18#	0.4146	0.4146	0.4146	0.0000	0.0000
19#	0.4089	0.4089	0.4089	0.0000	0.0000
20#	0.4061	0.4068	0.4061	0.0007	0.0000

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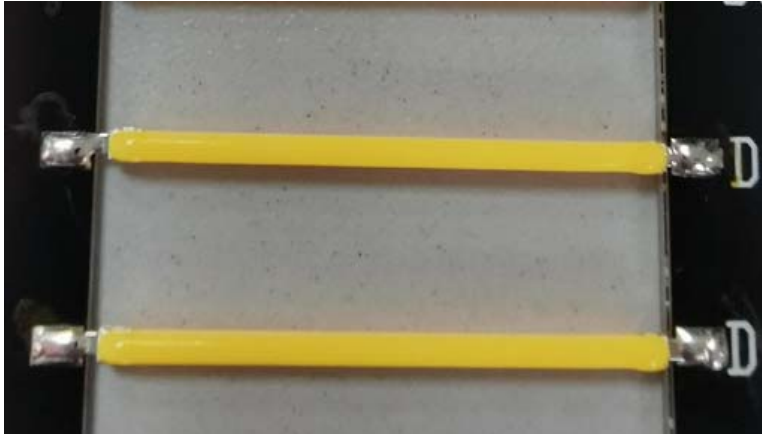
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单颗LED判定基准:

无死灯, 无外观不良: 晶粒变黑、树脂变色、胶裂、剥离、固晶胶变色, 冒油等

经过2500C常温开关老化试验, 全部样品均可正常点亮。

外观描述: 全部样品外观正常



试验结果: 合格

备注: 检测结果只对本次样品负责。

.....结束.....