

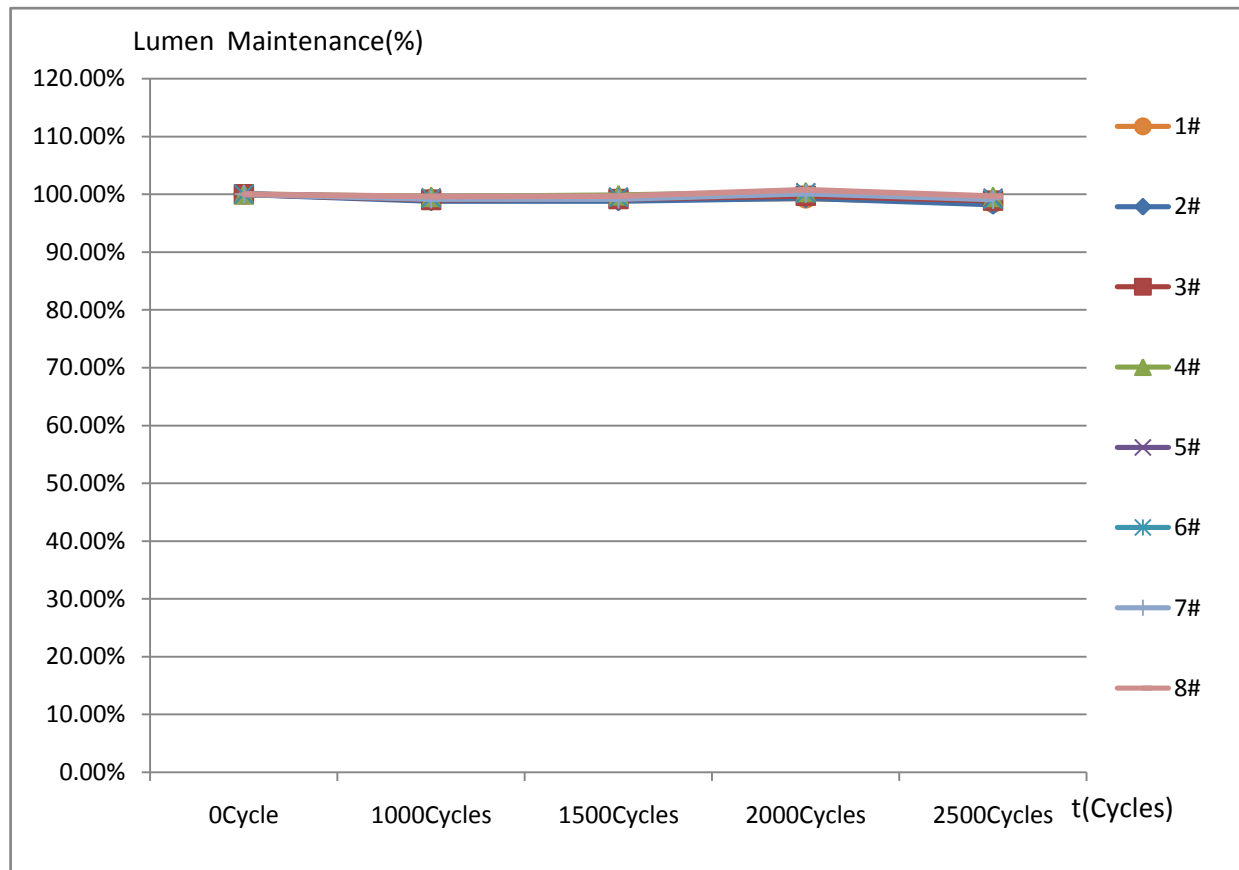
检测报告(内部)

报告编号: LAB1812317-04

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1. 客户名称:NPI/杨涛
2. 样品编号:1#~8#
3. 产品规格/型号:RF-FT5FW2K68-T5-B/SC17-181205802
4. 检测时间:2018. 12. 29~2019. 01. 08
5. 检测设备: LED阵列快速测试系统(G118471CA833115);
FLUKE万用表(27500022WS); 回流焊炉(N0842010);
电热鼓风干燥箱(TST1005028); 显微镜(MT 4X)
6. 环境条件:(22~28)℃, (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: 25℃, 老化时间2500C, 老化电流20mA, 2.5min on/2.5min off, 测试电流20mA,
积分球 2π 测试, 测试点: 0cycles, 1000cycles, 1500cycles, 2000cycles, 2500cycles

Φ (1m) 试验变化图



检测: 张东杰 2019. 01. 08

审核: 杨礼坚 2019. 02. 13

批准: 李敏 2019. 02. 13

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序号	Φ (lm)					Lumen Maintenance(%)				
	0Cycle	1000Cycles	1500Cycles	2000Cycles	2500Cycles	0Cycle	1000Cycles	1500Cycles	2000Cycles	2500Cycles
1#	143.10	141.90	141.90	142.10	141.00	100.00%	99.16%	99.16%	99.30%	98.53%
2#	151.10	149.30	149.30	150.10	148.40	100.00%	98.81%	98.81%	99.34%	98.21%
3#	154.60	153.10	153.30	154.20	152.90	100.00%	99.03%	99.16%	99.74%	98.90%
4#	153.70	153.00	153.40	154.30	153.00	100.00%	99.54%	99.80%	100.39%	99.54%
5#	154.10	153.20	153.30	154.50	153.10	100.00%	99.42%	99.48%	100.26%	99.35%
6#	152.80	151.80	152.00	153.10	151.50	100.00%	99.35%	99.48%	100.20%	99.15%
7#	154.30	153.00	153.00	154.50	152.90	100.00%	99.16%	99.16%	100.13%	99.09%
8#	147.40	146.80	146.90	148.50	146.90	100.00%	99.59%	99.66%	100.75%	99.66%
Max	154.60	153.20	153.40	154.50	153.10	100.00%	99.59%	99.80%	100.75%	99.66%
Min	143.10	141.90	141.90	142.10	141.00	100.00%	98.81%	98.81%	99.30%	98.21%
Avg	151.39	150.26	150.39	151.41	149.96	100.00%	99.26%	99.34%	100.01%	99.06%

序号	VF(V)					ΔVF/VF(%)			
	0Cycle	1000Cycles	1500Cycles	2000Cycles	2500Cycles	1000Cycles	1500Cycles	2000Cycles	2500Cycles
1#	70.534	70.599	70.632	70.555	70.632	0.09%	0.14%	0.03%	0.14%
2#	71.023	71.045	71.100	71.078	71.100	0.03%	0.11%	0.08%	0.11%
3#	70.893	70.947	71.002	70.969	71.002	0.08%	0.15%	0.11%	0.15%
4#	71.013	71.067	71.121	71.089	71.121	0.08%	0.15%	0.11%	0.15%
5#	70.860	70.904	70.947	70.926	70.958	0.06%	0.12%	0.09%	0.14%
6#	70.773	70.828	70.871	70.849	70.882	0.08%	0.14%	0.11%	0.15%
7#	70.795	70.838	70.893	70.849	70.893	0.06%	0.14%	0.08%	0.14%
8#	70.926	70.980	71.034	70.991	71.034	0.08%	0.15%	0.09%	0.15%

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序号	IF (mA)				
	0Cycle	1000Cycles	1500Cycles	2000Cycles	2500Cycles
1#	19.77	19.76	19.75	19.76	19.78
2#	19.78	19.76	19.75	19.76	19.78
3#	19.80	19.76	19.75	19.77	19.78
4#	19.79	19.76	19.77	19.77	19.78
5#	19.79	19.76	19.76	19.77	19.78
6#	19.79	19.76	19.76	19.77	19.78
7#	19.79	19.76	19.76	19.79	19.78
8#	19.78	19.76	19.76	19.79	19.78

序号	x					Δx			
	0Cycle	1000Cycles	1500Cycles	2000Cycles	2500Cycles	1000Cycles	1500Cycles	2000Cycles	2500Cycles
1#	0.4610	0.4606	0.4607	0.4603	0.4604	-0.0004	-0.0003	-0.0007	-0.0006
2#	0.4649	0.4644	0.4648	0.4646	0.4644	-0.0005	-0.0001	-0.0003	-0.0005
3#	0.4637	0.4634	0.4635	0.4634	0.4632	-0.0003	-0.0002	-0.0003	-0.0005
4#	0.4621	0.4620	0.4622	0.4622	0.4621	-0.0001	0.0001	0.0001	0.0000
5#	0.4650	0.4645	0.4647	0.4646	0.4644	-0.0005	-0.0003	-0.0004	-0.0006
6#	0.4660	0.4657	0.4658	0.4657	0.4657	-0.0003	-0.0002	-0.0003	-0.0003
7#	0.4646	0.4642	0.4643	0.4642	0.4642	-0.0004	-0.0003	-0.0004	-0.0004
8#	0.4617	0.4616	0.4616	0.4617	0.4616	-0.0001	-0.0001	0.0000	-0.0001

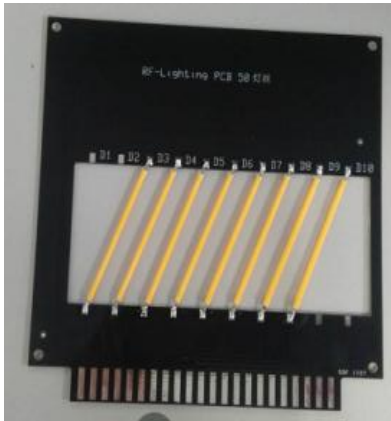
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序号	y					Δy			
	0Cycle	1000Cycles	1500Cycles	2000Cycles	2500Cycles	1000Cycles	1500Cycles	2000Cycles	2500Cycles
1#	0.4119	0.4119	0.4120	0.4119	0.4118	0.0000	0.0001	0.0000	-0.0001
2#	0.4145	0.4143	0.4146	0.4146	0.4144	-0.0002	0.0001	0.0001	-0.0001
3#	0.4139	0.4138	0.4140	0.4140	0.4140	-0.0001	0.0001	0.0001	0.0001
4#	0.4130	0.4131	0.4133	0.4133	0.4133	0.0001	0.0003	0.0003	0.0003
5#	0.4146	0.4147	0.4148	0.4149	0.4147	0.0001	0.0002	0.0003	0.0001
6#	0.4139	0.4138	0.4141	0.4140	0.4139	-0.0001	0.0002	0.0001	0.0000
7#	0.4143	0.4143	0.4144	0.4143	0.4143	0.0000	0.0001	0.0000	0.0000
8#	0.4134	0.4136	0.4137	0.4138	0.4137	0.0002	0.0003	0.0004	0.0003

单颗LED判定基准:

项目	min	max
Lumen Maintenance (%)	90%	110%
ΔVF/VF (%)	-6%	6%
Δx	-0.01	0.01
Δy	-0.015	0.015
外观无胶裂, 变黄, 发黑等现象		

经过2500C常温开关老化试验, 全部样品各检测参数均在判定标准范围内。
外观描述: 全部样品外观正常, 如下图所示。



试验结果: 合格

备注: 检测结果只对本次样品负责;

.....结束.....