

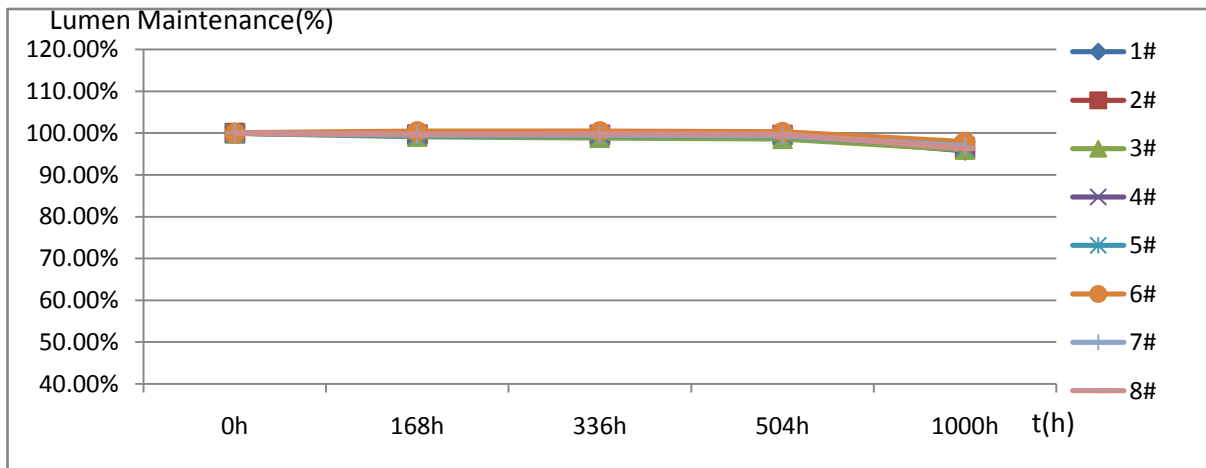
## 检测报告(内部)

报告编号: LAB1812317-01

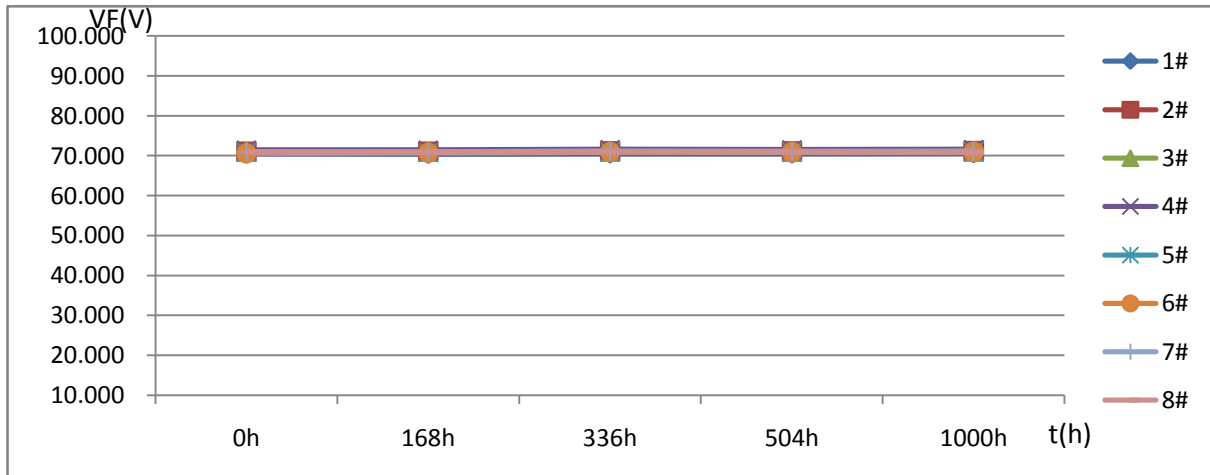
第 1 页共 5 页

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. 02. 12
5. 检测设备: LED-专用精密光电烤箱 (SZ12111737); LED阵列快速测试系统 (G118471CA833115);  
 显微镜 (MT 4X); DC POWER SUPPLY (160303750); FLUKE万用表 (34700492WS);
6. 环境条件: (22~28) °C, (30~70) %RH
7. 检测依据标准: 电工电子产品环境试验 第2部分: 试验方法 试验B: 高温 GB/T 2423. 2-2008,  
 LED的测量 CIE127: 2007
8. 检测项目: 高温老化试验
9. 检测条件: 105°C, 老化时间1000H, 老化电流20mA, 测试电流20mA,  
 积分球2 $\pi$ 测试, 测试点: 0h, 168h, 336h, 504h, 1000h

$\Phi$  (1m) 试验变化图



VF (V) 试验变化图



检测: 张东杰 2019. 02. 12

审核: 杨礼星 2019. 03. 11

批准: 俞敏 2019. 03. 12

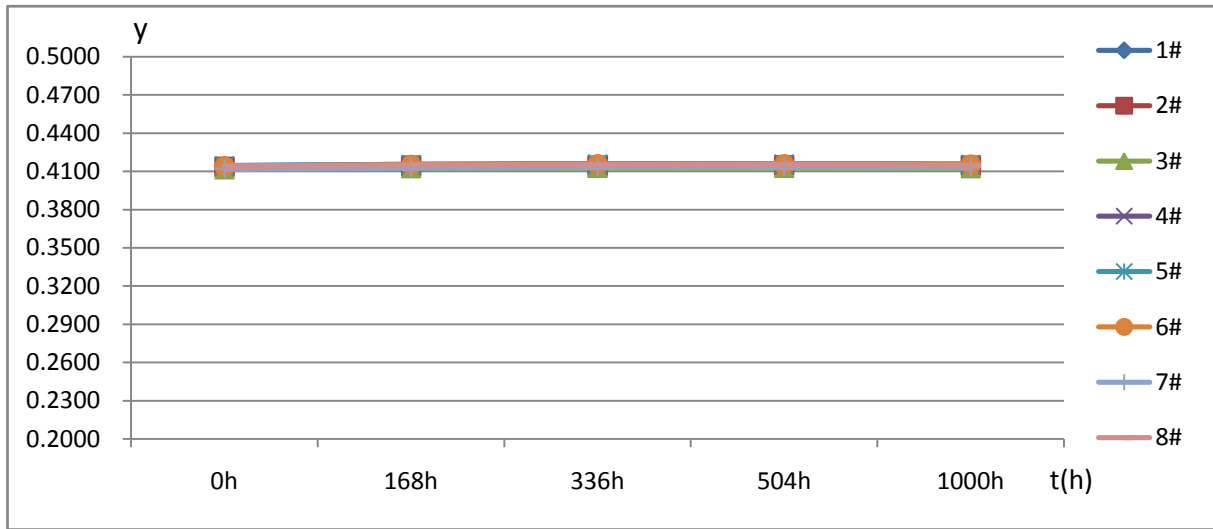


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y试验变化图



序号	Φ (lm)					Lumen Maintenance (%)				
	0h	168h	336h	504h	1000h	0h	168h	336h	504h	1000h
1#	144.8	144.2	144.0	143.9	138.7	100.00%	99.59%	99.45%	99.38%	95.79%
2#	151.5	151.0	150.9	150.9	145.8	100.00%	99.67%	99.60%	99.60%	96.24%
3#	153.1	151.8	151.4	151.0	147.1	100.00%	99.15%	98.89%	98.63%	96.08%
4#	154.2	153.7	153.8	153.5	149.3	100.00%	99.68%	99.74%	99.55%	96.82%
5#	152.8	151.8	151.9	151.8	147.7	100.00%	99.35%	99.41%	99.35%	96.66%
6#	151.3	151.9	151.9	151.7	148.1	100.00%	100.40%	100.40%	100.26%	97.88%
7#	154.4	153.8	153.7	153.5	149.6	100.00%	99.61%	99.55%	99.42%	96.89%
8#	148.9	148.4	148.6	148.5	143.5	100.00%	99.66%	99.80%	99.73%	96.37%
Max	154.4	153.8	153.8	153.5	149.6	100.00%	100.40%	100.40%	100.26%	97.88%
Min	144.8	144.2	144.0	143.9	138.7	100.00%	99.15%	98.89%	98.63%	95.79%
Avg	151.4	150.8	150.8	150.6	146.2	100.00%	99.64%	99.60%	99.49%	96.59%

序号	VF (V)					ΔVF (%)			
	0h	168h	336h	504h	1000h	168h	336h	504h	1000h
1#	70.523	70.468	70.534	70.512	70.632	-0.08%	0.02%	-0.02%	0.15%
2#	71.023	70.991	71.100	71.067	71.132	-0.05%	0.11%	0.06%	0.15%
3#	71.002	71.002	71.111	71.056	71.143	0.00%	0.15%	0.08%	0.20%
4#	71.426	71.383	71.546	71.492	71.601	-0.06%	0.17%	0.09%	0.25%
5#	70.828	70.784	70.947	70.904	70.980	-0.06%	0.17%	0.11%	0.21%
6#	70.632	70.784	70.958	70.904	70.980	0.22%	0.46%	0.39%	0.49%
7#	70.947	70.904	71.056	71.002	71.078	-0.06%	0.15%	0.08%	0.18%
8#	70.915	70.893	71.023	70.969	70.915	-0.03%	0.15%	0.08%	0.00%

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序号	IF(mA)				
	0h	168h	336h	504h	1000h
1#	19.77	19.77	19.79	19.77	19.88
2#	19.78	19.77	19.79	19.78	19.89
3#	19.79	19.79	19.80	19.79	19.89
4#	19.79	19.80	19.80	19.77	19.88
5#	19.78	19.79	19.79	19.78	19.89
6#	19.77	19.80	19.79	19.78	19.91
7#	19.78	19.80	19.79	19.78	19.90
8#	19.78	19.79	19.80	19.78	19.90

序号	x					$\Delta x$			
	0h	168h	336h	504h	1000h	168h	336h	504h	1000h
1#	0.4622	0.4620	0.4621	0.4619	0.4607	-0.0002	-0.0001	-0.0003	-0.0015
2#	0.4639	0.4638	0.4638	0.4638	0.4625	-0.0001	-0.0001	-0.0001	-0.0014
3#	0.4623	0.4624	0.4623	0.4621	0.4613	0.0001	0.0000	-0.0002	-0.0010
4#	0.4643	0.4642	0.4645	0.4643	0.4634	-0.0001	0.0002	0.0000	-0.0009
5#	0.4651	0.4650	0.4652	0.4651	0.4641	-0.0001	0.0001	0.0000	-0.0010
6#	0.4640	0.4645	0.4649	0.4646	0.4638	0.0005	0.0009	0.0006	-0.0002
7#	0.4618	0.4618	0.4622	0.4621	0.4612	0.0000	0.0004	0.0003	-0.0006
8#	0.4627	0.4626	0.4628	0.4628	0.4613	-0.0001	0.0001	0.0001	-0.0014

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第 5 页共 5 页

序号	y					$\Delta y$			
	0h	168h	336h	504h	1000h	168h	336h	504h	1000h
1#	0.4140	0.4146	0.4147	0.4149	0.4147	0.0006	0.0007	0.0009	0.0007
2#	0.4136	0.4145	0.4146	0.4149	0.4146	0.0009	0.0010	0.0013	0.0010
3#	0.4117	0.4126	0.4128	0.4128	0.4126	0.0009	0.0011	0.0011	0.0009
4#	0.4143	0.4152	0.4156	0.4155	0.4153	0.0009	0.0013	0.0012	0.0010
5#	0.4144	0.4154	0.4157	0.4158	0.4156	0.0010	0.0013	0.0014	0.0012
6#	0.4138	0.4151	0.4156	0.4155	0.4152	0.0013	0.0018	0.0017	0.0014
7#	0.4120	0.4127	0.4133	0.4134	0.4131	0.0007	0.0013	0.0014	0.0011
8#	0.4140	0.4148	0.4151	0.4152	0.4146	0.0008	0.0011	0.0012	0.0006

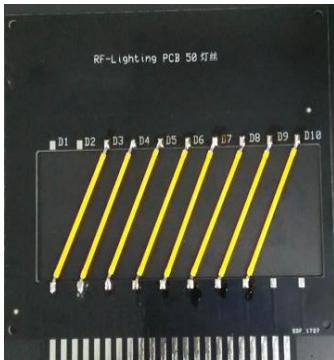
单颗LED判定基准:

项目	min	max
Lumen Maintenance (%)	90%	110%
$\Delta VF$	-6%	6%
$\Delta x$	-0.01	0.01
$\Delta y$	-0.015	0.015

外观无胶裂, 变黄, 发黑等现象

经过1000h高温老化试验, 全部样品各项参数均在标准范围内。

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.....