



SAMSUNG ELECTRONICS CO., LTD

TEST REPORT

Prepared For:	SAMSUNG ELECTRONICS CO., LTD 1, Samsung-Ro, Giheung-Gu, Yongin-Si, Gyeonggi-Do 17113, Korea
Product Name:	LED
Model Number:	SPMWHX228FXXXXXXXX
Prepared By:	Shenzhen BST Technology Co., Ltd. Building No.23-24, Zhiheng industrial park, Guankouer Road, Nantou, Nanshan District, Shenzhen, Guangdong, China.
Test Date:	Aug. 28, 2014 – Oct. 30, 2015
Date of Report:	Nov. 02, 2015
Report No.:	BST1510440900005Y-1SR-2



TEST REPORT	
LUMEN MAINTENANCE TESTING ACCORDING TO THE IESNA LM-80-08 TEST STANDARD	
Testing laboratory	Shenzhen BST Technology Co., Ltd.
Address	Building No.23-24, Zhiheng industrial park, Guankouer Road, Nantou, Nanshan District, Shenzhen, Guangdong, China.
Testing location	Shenzhen BST Technology Co., Ltd.
Applicant	SAMSUNG ELECTRONICS CO., LTD
Address	1, Samsung-Ro, Giheung-Gu, Yongin-Si, Gyeonggi-Do 17113, Korea
Test Procedure	THE IESNA LM-80-2008: Measuring Lumen Maintenance of LED Light Sources.
Non-standard test method	N.A.
Type of test object	LED
Trademark	N.A.
Model/type reference	SPMWH1228FD5WAW0S3 (2700K)
Rating	3.0V ⁻⁻⁻ , 0.15A, 0.45W
Manufacturer	SAMSUNG ELECTRONICS CO., LTD
Address	1, Samsung-Ro, Giheung-Gu, Yongin-Si, Gyeonggi-Do 17113, Korea



Name and address of the testing laboratory: Shenzhen BST Technology Co., Ltd.
Building No.23-24, Zhiheng industrial park,
Guankouer Road, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Prepared by : Carl Lin
Engineer

Reviewer : [Signature]
Supervisor

Approved & Authorized Signer : [Signature]

Possible test case verdicts :

Test case does not apply to the test object : N(.A.)

Test object does meet the requirement : P(ass)

Test object does not meet the requirement : F(ail)

General remarks:

Throughout this report a point is used as the decimal separator. The test results presented in this report relate only to the object tested.

**Test Results Summary:**

Summary	I	II	III
Condition	T _s =54.2℃ T _A =53.3℃ R.H.<65% I _F =150mA	T _s =84.6℃ T _A =83.3℃ R.H.<65% I _F =150mA	T _s =104.8℃ T _A =104.2℃ R.H.<65% I _F =150mA
Duration(hour)	10000	10000	10000
Interval(hour)	0,1000,2000,3000,4000, 5000, 6000,7000,8000,9000, 10000	0,1000,2000,3000,4000, 5000, 6000,7000,8000,9000, 10000	0,1000,2000,3000,4000, 5000, 6000,7000,8000,9000, 10000
Sample number	20	20	20
Average Lumen Maintenance at 10000 hour	95.25%	93.94%	90.54%
Average Chromaticity Shift $\Delta u'v'$ at 10000 hour	0.0042	0.0052	0.0060
Failure	0	0	0
α	5.795E-06	7.329E-06	1.124E-05
β	1.008	1.010	1.011
Calculated L70(10k) (hours)	63,000	50,000	33,000
Reported L70(hours)	>60,000	50,000	33,000

Equipments Used for Testing:

Equipment	Model	Equipment No.
DC Power Supply	IT6122	BSTNX001
Power meter	WT210	BSTNX001
Spectroradiometer	SPEC300	BN067
0.3m Integrating Sphere	--	BSTNX002

**Test Data:****Operating Condition: 55°C/150mA**

No.	Φ (lm)	V_F (V)	Lumen maintenance (%)					
			0h(Initial)	1000h	2000h	3000h	4000h	5000h
1	50.5	3.1	100.45	99.47	98.64	98.26	97.83	97.67
2	52.5	3.1	100.43	99.63	98.83	98.12	97.63	97.08
3	48.6	3.1	100.41	99.44	98.41	97.88	97.62	97.41
4	53.6	3.1	100.43	99.54	98.47	98.08	97.53	97.41
5	50.8	3.0	100.52	99.86	99.10	98.62	97.88	97.53
6	52.3	3.1	100.53	99.73	99.37	98.27	97.85	97.61
7	52.1	3.0	100.87	99.76	99.51	98.61	98.06	97.60
8	52.6	3.1	100.85	99.74	99.31	98.64	98.05	97.64
9	52.3	3.1	100.82	99.99	99.47	98.48	97.94	97.58
10	49.8	3.0	100.88	99.77	99.52	98.56	97.98	97.68
11	50.2	3.1	100.85	99.75	99.47	98.54	98.12	97.65
12	50.6	3.0	100.82	99.92	99.41	98.34	97.94	97.77
13	51.2	3.1	100.83	99.93	99.33	98.28	97.72	97.44
14	50.8	3.0	100.83	99.87	99.33	98.51	97.73	97.48
15	52.3	3.1	100.83	99.83	99.07	98.47	97.74	97.34
16	50.9	3.0	100.91	99.76	99.33	98.43	97.87	97.34
17	50.8	3.1	100.93	99.93	99.09	98.34	97.78	97.43
18	51.3	3.1	100.87	99.78	99.16	98.54	97.38	97.26
19	50.8	3.1	100.21	99.58	98.68	97.97	97.68	97.26
20	50.8	3.0	100.22	99.80	98.82	98.30	97.81	97.48
Average	51.2	3.1	100.67	99.75	99.12	98.36	97.81	97.48
Median	50.9	3.1	100.83	99.77	99.24	98.39	97.82	97.48
St. Dev.	1.2	0.0	0.24	0.15	0.36	0.22	0.19	0.17
Max	53.6	3.1	100.93	99.99	99.52	98.64	98.12	97.77
Min	48.6	3.0	100.21	99.44	98.41	97.88	97.38	97.08

**Operating Condition: 55°C/150mA**

No.	Lumen maintenance (%)			
	7000h	8000h	9000h	10000h
1	97.25	96.01	95.95	95.25
2	96.79	95.28	95.81	95.08
3	97.18	95.78	95.24	95.10
4	97.23	96.19	95.73	95.33
5	97.23	95.91	95.52	95.16
6	97.22	95.83	95.65	95.31
7	96.82	96.17	95.39	95.33
8	96.81	95.32	95.13	94.91
9	96.68	95.87	95.35	95.28
10	96.85	96.06	95.87	95.15
11	96.96	96.02	95.87	95.33
12	96.75	95.73	95.95	95.54
13	97.14	95.79	95.92	95.41
14	97.12	96.06	95.85	95.56
15	97.16	95.69	95.83	95.52
16	96.83	95.74	95.93	95.36
17	97.23	95.89	95.56	95.25
18	96.82	95.68	95.87	94.98
19	96.83	95.81	95.52	95.13
20	96.92	95.65	95.32	94.98
Average	96.99	95.82	95.66	95.25
Median	96.94	95.82	95.77	95.27
St, Dev.	0.20	0.24	0.26	0.19
Max	97.25	96.19	95.95	95.56
Min	96.68	95.28	95.13	94.91

**Operating Condition: 85°C/150mA**

No.	Φ (lm)	V_F (V)	Lumen maintenance (%)					
			0h(Initial)	1000h	2000h	3000h	4000h	5000h
1	51.2	3.0	99.98	98.94	98.31	97.78	97.29	97.02
2	50.8	3.1	99.97	98.88	98.34	97.59	97.30	96.39
3	49.6	3.1	99.84	98.81	97.92	97.70	97.42	96.69
4	48.9	3.1	99.82	99.01	98.40	97.77	97.42	96.91
5	50.3	3.0	99.86	98.80	98.42	97.87	97.47	96.17
6	51.8	3.1	99.84	99.50	98.37	97.86	97.40	96.86
7	50.6	3.0	99.82	99.03	98.39	97.83	97.52	96.83
8	50.8	3.1	99.87	98.41	98.27	97.57	97.44	97.02
9	51.3	3.1	99.82	98.68	98.41	98.28	97.40	96.86
10	49.6	3.0	99.88	98.69	98.18	97.80	97.39	96.63
11	50.8	3.1	99.93	98.78	98.43	97.77	97.50	96.69
12	50.6	3.1	99.85	98.80	98.30	97.90	97.30	96.88
13	51.2	3.0	99.92	98.83	98.47	97.91	97.40	96.99
14	51.1	3.1	99.97	99.00	98.53	97.81	97.41	96.25
15	50.8	3.1	99.88	99.01	98.38	97.98	97.40	96.92
16	50.6	3.1	99.96	99.02	98.37	97.80	97.21	96.36
17	50.9	3.1	99.91	98.91	98.39	97.80	97.28	97.03
18	50.8	3.0	99.91	98.90	98.53	98.37	97.58	96.87
19	50.8	3.1	99.88	98.92	98.29	97.80	97.51	96.99
20	51.5	3.1	99.73	98.87	98.40	97.86	97.52	97.01
Average	50.7	3.1	99.88	98.89	98.36	97.85	97.41	96.77
Median	50.8	3.1	99.88	98.89	98.39	97.81	97.41	96.87
St. Dev.	0.7	0.0	0.06	0.21	0.13	0.19	0.10	0.27
Max	51.8	3.1	99.98	99.50	98.53	98.37	97.58	97.03
Min	48.9	3.0	99.73	98.41	97.92	97.57	97.21	96.17

**Operating Condition: 85°C/150mA**

No.	Lumen maintenance (%)			
	7000h	8000h	9000h	10000h
1	95.89	95.83	95.27	94.89
2	95.73	95.35	94.78	93.37
3	95.68	94.47	94.28	93.82
4	95.54	94.85	94.82	94.57
5	95.88	94.75	94.48	93.85
6	95.90	94.76	94.58	93.32
7	95.73	95.57	95.48	94.92
8	95.72	94.76	94.39	93.81
9	95.93	94.77	94.38	93.86
10	95.51	94.98	94.53	93.96
11	95.40	94.96	94.85	93.78
12	95.33	94.75	94.68	93.68
13	95.74	95.57	95.32	94.86
14	95.94	94.92	94.31	93.84
15	96.02	94.78	94.07	93.87
16	95.92	95.57	94.94	93.93
17	95.94	94.74	94.56	93.82
18	96.16	94.98	94.37	93.82
19	95.88	94.81	94.57	93.54
20	95.99	94.72	94.16	93.38
Average	95.79	94.99	94.64	93.94
Median	95.88	94.83	94.57	93.83
St, Dev.	0.22	0.37	0.38	0.49
Max	96.16	95.83	95.48	94.92
Min	95.33	94.47	94.07	93.32

**Operating Condition: 105°C/150mA**

No.	Φ (lm)	V_F (V)	Lumen maintenance (%)					
			0h(Initial)	1000h	2000h	3000h	4000h	5000h
1	50.8	3.1	99.27	98.31	97.70	96.34	95.71	94.93
2	51.5	3.1	99.47	98.70	97.79	96.40	95.85	94.98
3	50.8	3.0	99.52	98.26	97.50	96.83	96.42	95.41
4	49.2	3.1	99.48	97.86	97.20	96.67	95.15	94.38
5	50.3	3.1	99.47	98.92	98.29	97.24	96.36	95.55
6	50.8	3.1	99.56	98.70	97.16	96.32	95.45	94.25
7	50.7	3.0	99.55	98.39	97.37	96.25	95.40	94.57
8	50.8	3.1	99.36	99.02	98.38	97.29	96.67	95.66
9	51.1	3.0	99.63	98.38	97.49	96.82	96.16	95.26
10	50.2	3.0	99.60	98.06	96.30	95.92	95.54	94.62
11	50.6	3.1	99.46	98.36	97.25	96.34	95.66	94.88
12	50.9	3.1	99.51	98.49	97.08	96.23	95.80	94.83
13	50.8	3.1	99.58	98.35	97.34	96.52	95.44	94.94
14	51.1	3.0	99.28	98.31	96.94	96.07	95.39	94.61
15	50.8	3.1	99.34	98.27	97.38	96.71	95.38	94.61
16	51.2	3.1	99.62	97.99	96.99	95.92	95.28	94.40
17	50.9	3.1	99.54	98.26	97.35	96.51	94.92	94.19
18	51.3	3.0	99.63	98.50	98.14	96.79	96.18	95.67
19	50.8	3.0	99.43	98.15	97.39	96.28	95.44	94.43
20	51.5	3.1	99.62	97.98	97.21	96.26	95.36	94.91
Average	50.8	3.1	99.50	98.36	97.41	96.49	95.68	94.85
Median	50.8	3.1	99.52	98.33	97.36	96.37	95.50	94.86
St, Dev.	0.5	0.0	0.11	0.30	0.48	0.38	0.46	0.46
Max	51.5	3.1	99.63	99.02	98.38	97.29	96.67	95.67
Min	49.2	3.0	99.27	97.86	96.30	95.92	94.92	94.19

**Operating Condition: 105°C/150mA**

No.	Lumen maintenance (%)			
	7000h	8000h	9000h	10000h
1	93.37	92.31	91.54	90.75
2	92.40	92.14	91.35	90.32
3	92.90	92.13	91.38	90.33
4	92.59	92.24	91.13	90.52
5	92.29	92.17	91.36	90.24
6	92.59	92.24	91.57	90.34
7	92.89	92.26	90.98	90.21
8	93.12	92.18	91.47	90.42
9	92.35	92.11	91.18	90.61
10	92.40	92.34	91.47	90.89
11	92.70	92.27	91.59	90.21
12	92.91	92.26	91.57	90.74
13	92.82	92.25	91.18	90.23
14	92.71	92.26	91.17	90.84
15	92.59	92.15	91.57	91.24
16	93.00	92.11	91.56	90.32
17	92.89	92.36	91.49	90.63
18	93.01	92.11	91.67	90.38
19	92.91	92.35	91.46	90.45
20	92.71	92.01	91.68	91.20
Average	92.76	92.21	91.42	90.54
Median	92.77	92.24	91.47	90.44
St, Dev.	0.28	0.09	0.20	0.31
Max	93.37	92.36	91.68	91.24
Min	92.29	92.01	90.98	90.21

**Operating Condition: 55°C/150mA**

No.	CCT(K)	Chromaticity Shift $\Delta u'v'$					
	0h(Initial)	1000h	2000h	3000h	4000h	5000h	6000h
1	2716	0.0011	0.0012	0.0013	0.0014	0.0015	0.0016
2	2788	0.0009	0.0011	0.0011	0.0013	0.0016	0.0018
3	2730	0.0008	0.0013	0.0016	0.0018	0.0019	0.0024
4	2699	0.0008	0.0011	0.0013	0.0015	0.0018	0.0023
5	2784	0.001	0.0012	0.0013	0.0016	0.0018	0.0019
6	2740	0.0008	0.0014	0.0016	0.0017	0.0018	0.0019
7	2768	0.0009	0.0011	0.0013	0.0014	0.0016	0.0019
8	2771	0.0011	0.0013	0.0014	0.0016	0.0017	0.0019
9	2734	0.0007	0.001	0.0013	0.0014	0.0016	0.0018
10	2766	0.0008	0.0009	0.0011	0.0013	0.0015	0.0017
11	2789	0.0007	0.001	0.0011	0.0012	0.0014	0.0016
12	2782	0.0009	0.0012	0.0013	0.0016	0.0019	0.0022
13	2738	0.0007	0.0008	0.001	0.0013	0.0016	0.0019
14	2780	0.0011	0.0012	0.0014	0.0015	0.0016	0.0018
15	2730	0.0011	0.0013	0.0015	0.0016	0.0017	0.0019
16	2757	0.0009	0.0009	0.0011	0.0013	0.0015	0.0019
17	2678	0.0012	0.0013	0.0014	0.0015	0.0017	0.0019
18	2686	0.0008	0.0009	0.0011	0.0012	0.0014	0.0017
19	2699	0.0007	0.0013	0.0014	0.0016	0.0019	0.0025
20	2739	0.0009	0.0015	0.0016	0.0019	0.0021	0.0023
Average	2743.7	0.0009	0.0012	0.0013	0.0015	0.0017	0.0019
Median	2739.5	0.0009	0.0012	0.0013	0.0015	0.0017	0.0019
St, Dev.	35.1	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003
Max	2789.0	0.0012	0.0015	0.0016	0.0019	0.0021	0.0025
Min	2678.0	0.0007	0.0008	0.0010	0.0012	0.0014	0.0016



Operating Condition: 55°C/150mA

No.	Chromaticity Shift $\Delta u'v'$			
	7000h	8000h	9000h	10000h
1	0.0021	0.0027	0.0035	0.0041
2	0.0019	0.0031	0.0038	0.0044
3	0.0025	0.0031	0.0037	0.0043
4	0.0025	0.0029	0.0031	0.0041
5	0.0025	0.0031	0.0038	0.0039
6	0.0022	0.003	0.0035	0.0042
7	0.0024	0.0027	0.0033	0.0042
8	0.0023	0.0036	0.004	0.0043
9	0.0023	0.0031	0.0037	0.0043
10	0.0025	0.0035	0.004	0.0042
11	0.0028	0.0033	0.0038	0.0044
12	0.0027	0.0034	0.004	0.0042
13	0.0024	0.0032	0.0036	0.0042
14	0.0023	0.0032	0.0038	0.0042
15	0.0023	0.0031	0.0034	0.004
16	0.0024	0.0031	0.0038	0.0044
17	0.0026	0.0032	0.0037	0.0043
18	0.0025	0.0031	0.0035	0.0041
19	0.0023	0.0029	0.0034	0.0043
20	0.0026	0.0031	0.0035	0.0041
Average	0.0024	0.0031	0.0036	0.0042
Median	0.0024	0.0031	0.0037	0.0042
St, Dev.	0.0002	0.0002	0.0002	0.0001
Max	0.0028	0.0036	0.0040	0.0044
Min	0.0019	0.0027	0.0031	0.0039

**Operating Condition: 85°C/150mA**

No.	CCT(K)	Chromaticity Shift $\Delta u'v'$					
	0h(Initial)	1000h	2000h	3000h	4000h	5000h	6000h
1	2749	0.0013	0.0015	0.0016	0.0024	0.0026	0.0034
2	2735	0.0014	0.0015	0.0023	0.0027	0.0027	0.0034
3	2729	0.0013	0.0017	0.0022	0.0026	0.0028	0.0034
4	2723	0.0012	0.0014	0.002	0.0022	0.0023	0.0031
5	2750	0.0013	0.0015	0.0021	0.0025	0.0027	0.0033
6	2776	0.0011	0.0014	0.002	0.0024	0.0027	0.0035
7	2747	0.0016	0.0017	0.0019	0.0023	0.0024	0.0034
8	2726	0.0014	0.0016	0.0024	0.0026	0.0027	0.0032
9	2722	0.0012	0.0013	0.0024	0.0026	0.0027	0.0033
10	2656	0.0015	0.0017	0.0023	0.0025	0.0027	0.0033
11	2684	0.0014	0.0016	0.0021	0.0023	0.0024	0.003
12	2783	0.0014	0.0016	0.0022	0.0023	0.0025	0.0029
13	2746	0.0015	0.0017	0.0021	0.0024	0.0026	0.0033
14	2758	0.0012	0.0014	0.0021	0.0025	0.0025	0.0032
15	2749	0.0013	0.0016	0.0019	0.0024	0.0025	0.0034
16	2735	0.0012	0.0015	0.0021	0.0026	0.0027	0.0035
17	2729	0.0013	0.0016	0.002	0.0023	0.0025	0.0032
18	2723	0.0014	0.0016	0.0021	0.0023	0.0027	0.0032
19	2750	0.0013	0.0015	0.0023	0.0024	0.0027	0.0031
20	2776	0.0014	0.0017	0.0023	0.0025	0.0028	0.0033
Average	2737.3	0.0013	0.0016	0.0021	0.0024	0.0026	0.0033
Median	2740.5	0.0013	0.0016	0.0021	0.0024	0.0027	0.0033
St, Dev.	29.6	0.0001	0.0001	0.0002	0.0001	0.0001	0.0002
Max	2783.0	0.0016	0.0017	0.0024	0.0027	0.0028	0.0035
Min	2656.0	0.0011	0.0013	0.0016	0.0022	0.0023	0.0029



Operating Condition: 85°C/150mA

No.	Chromaticity Shift $\Delta u'v'$			
	7000h	8000h	9000h	10000h
1	0.0038	0.0042	0.0048	0.0051
2	0.0037	0.004	0.0051	0.0054
3	0.0039	0.0042	0.0051	0.0053
4	0.004	0.0041	0.0048	0.0052
5	0.004	0.0043	0.0047	0.0054
6	0.004	0.0043	0.005	0.0051
7	0.0039	0.0041	0.0049	0.0052
8	0.0039	0.0042	0.0052	0.0053
9	0.0038	0.0042	0.0049	0.0052
10	0.0037	0.004	0.0046	0.0051
11	0.0038	0.0041	0.0048	0.0052
12	0.0037	0.0042	0.0048	0.0054
13	0.0035	0.004	0.0049	0.0051
14	0.0036	0.0041	0.0047	0.0054
15	0.0034	0.0041	0.0047	0.0053
16	0.0038	0.0043	0.0049	0.0049
17	0.0037	0.0039	0.0046	0.0051
18	0.0032	0.0033	0.0047	0.0051
19	0.0036	0.0041	0.0048	0.0052
20	0.0038	0.0041	0.0048	0.0051
Average	0.0037	0.0041	0.0048	0.0052
Median	0.0038	0.0041	0.0048	0.0052
St, Dev.	0.0002	0.0002	0.0002	0.0001
Max	0.0040	0.0043	0.0052	0.0054
Min	0.0032	0.0033	0.0046	0.0049

**Operating Condition: 105°C/150mA**

No.	CCT(K)	Chromaticity Shift $\Delta u'v'$					
	0h(Initial)	1000h	2000h	3000h	4000h	5000h	6000h
1	2761	0.0014	0.0018	0.002	0.0024	0.003	0.0035
2	2753	0.0016	0.0018	0.0023	0.0026	0.0033	0.0038
3	2754	0.0014	0.0019	0.0022	0.0028	0.0035	0.0041
4	2754	0.0014	0.0016	0.002	0.0026	0.0031	0.004
5	2749	0.0013	0.0017	0.0021	0.0025	0.003	0.0037
6	2719	0.0015	0.0019	0.0021	0.0026	0.0032	0.0038
7	2740	0.0015	0.0016	0.0019	0.0025	0.0031	0.0035
8	2753	0.0014	0.0017	0.0019	0.0026	0.0033	0.0036
9	2727	0.0016	0.0019	0.0022	0.0026	0.0031	0.0038
10	2744	0.0016	0.0016	0.0024	0.0026	0.003	0.0037
11	2745	0.0014	0.0018	0.002	0.0025	0.003	0.0036
12	2741	0.0016	0.0018	0.002	0.0027	0.0031	0.0035
13	2765	0.0015	0.0018	0.0024	0.0028	0.0034	0.0036
14	2729	0.0016	0.0021	0.0025	0.0027	0.003	0.0037
15	2708	0.0016	0.0017	0.002	0.0026	0.003	0.0035
16	2678	0.0015	0.0019	0.0024	0.0029	0.0034	0.0041
17	2730	0.0016	0.0018	0.0025	0.0027	0.0035	0.0042
18	2736	0.0015	0.0017	0.0019	0.0025	0.0032	0.0035
19	2735	0.0014	0.0017	0.002	0.0025	0.0034	0.0037
20	2764	0.0017	0.0019	0.0021	0.0024	0.0031	0.0039
Average	2739.3	0.0015	0.0018	0.0021	0.0026	0.0032	0.0037
Median	2742.5	0.0015	0.0018	0.0021	0.0026	0.0031	0.0037
St, Dev.	20.8	0.0001	0.0001	0.0002	0.0001	0.0002	0.0002
Max	2765.0	0.0017	0.0021	0.0025	0.0029	0.0035	0.0042
Min	2678.0	0.0013	0.0016	0.0019	0.0024	0.0030	0.0035

**Operating Condition: 105°C/150mA**

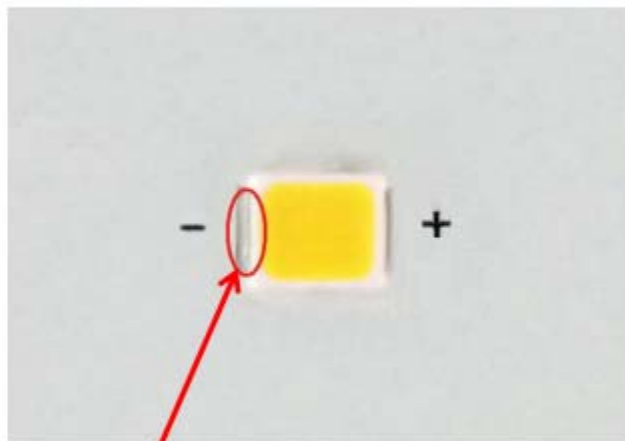
No.	Chromaticity Shift $\Delta u'v'$			
	7000h	8000h	9000h	10000h
1	0.0039	0.0044	0.0054	0.0058
2	0.0043	0.0048	0.0056	0.0059
3	0.0043	0.0051	0.0054	0.0059
4	0.0043	0.005	0.0053	0.0057
5	0.0044	0.0048	0.0054	0.0059
6	0.004	0.0044	0.0051	0.0059
7	0.0044	0.0048	0.0053	0.0063
8	0.0045	0.0049	0.0056	0.0061
9	0.0039	0.0047	0.0054	0.006
10	0.0041	0.0047	0.0052	0.0058
11	0.0043	0.0044	0.005	0.0059
12	0.004	0.0046	0.0054	0.0058
13	0.0041	0.0046	0.0053	0.0058
14	0.0045	0.0047	0.0054	0.006
15	0.0044	0.005	0.0054	0.006
16	0.0044	0.005	0.0055	0.006
17	0.0041	0.0047	0.0052	0.0064
18	0.0046	0.0051	0.0055	0.006
19	0.0044	0.0048	0.0056	0.0065
20	0.0042	0.0048	0.0053	0.0058
Average	0.0043	0.0048	0.0054	0.0060
Median	0.0043	0.0048	0.0054	0.0059
St, Dev.	0.0002	0.0002	0.0002	0.0002
Max	0.0046	0.0051	0.0056	0.0065
Min	0.0039	0.0044	0.0050	0.0057



ANNEX:

Photo-documentation

Photo 1 General Appearance of the EUT



**Case Temperature
Measurement Point**