



**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



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

Approved & Authorized Signer : Christina Day

**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
<b>Condition</b>	T <sub>s</sub> =54.2℃ T <sub>A</sub> =53.3℃ R.H.<65% I <sub>F</sub> =150mA	T <sub>s</sub> =84.6℃ T <sub>A</sub> =83.3℃ R.H.<65% I <sub>F</sub> =150mA	T <sub>s</sub> =104.8℃ T <sub>A</sub> =104.2℃ R.H.<65% I <sub>F</sub> =150mA
<b>Duration(hour)</b>	10000	10000	10000
<b>Interval(hour)</b>	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
<b>Sample number</b>	20	20	20
<b>Average Lumen Maintenance at 10000 hour</b>	95.25%	93.94%	90.54%
<b>Average Chromaticity Shift <math>\Delta u'v'</math> at 10000 hour</b>	0.0042	0.0052	0.0060
<b>Failure</b>	0	0	0
<b><math>\alpha</math></b>	5.795E-06	7.329E-06	1.124E-05
<b><math>\beta</math></b>	1.008	1.010	1.011
<b>Calculated L70(10k) (hours)</b>	63,000	50,000	33,000
<b>Reported L70(hours)</b>	>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.	$\Phi$ (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
<b>Average</b>	51.2	3.1	100.67	99.75	99.12	98.36	97.81	97.48
<b>Median</b>	50.9	3.1	100.83	99.77	99.24	98.39	97.82	97.48
<b>St, Dev.</b>	1.2	0.0	0.24	0.15	0.36	0.22	0.19	0.17
<b>Max</b>	53.6	3.1	100.93	99.99	99.52	98.64	98.12	97.77
<b>Min</b>	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
<b>Average</b>	96.99	95.82	95.66	95.25
<b>Median</b>	96.94	95.82	95.77	95.27
<b>St, Dev.</b>	0.20	0.24	0.26	0.19
<b>Max</b>	97.25	96.19	95.95	95.56
<b>Min</b>	96.68	95.28	95.13	94.91



**Operating Condition: 85°C/150mA**

No.	$\Phi$ (lm)	$V_F$ (V)	Lumen maintenance (%)					
	0h(Initial)		1000h	2000h	3000h	4000h	5000h	6000h
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
<b>Average</b>	50.7	3.1	99.88	98.89	98.36	97.85	97.41	96.77
<b>Median</b>	50.8	3.1	99.88	98.89	98.39	97.81	97.41	96.87
<b>St, Dev.</b>	0.7	0.0	0.06	0.21	0.13	0.19	0.10	0.27
<b>Max</b>	51.8	3.1	99.98	99.50	98.53	98.37	97.58	97.03
<b>Min</b>	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
<b>Average</b>	95.79	94.99	94.64	93.94
<b>Median</b>	95.88	94.83	94.57	93.83
<b>St, Dev.</b>	0.22	0.37	0.38	0.49
<b>Max</b>	96.16	95.83	95.48	94.92
<b>Min</b>	95.33	94.47	94.07	93.32



**Operating Condition: 105°C/150mA**

No.	$\Phi$ (lm)	$V_F$ (V)	Lumen maintenance (%)					
	0h(Initial)		1000h	2000h	3000h	4000h	5000h	6000h
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
<b>Average</b>	50.8	3.1	99.50	98.36	97.41	96.49	95.68	94.85
<b>Median</b>	50.8	3.1	99.52	98.33	97.36	96.37	95.50	94.86
<b>St, Dev.</b>	0.5	0.0	0.11	0.30	0.48	0.38	0.46	0.46
<b>Max</b>	51.5	3.1	99.63	99.02	98.38	97.29	96.67	95.67
<b>Min</b>	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
<b>Average</b>	92.76	92.21	91.42	90.54
<b>Median</b>	92.77	92.24	91.47	90.44
<b>St, Dev.</b>	0.28	0.09	0.20	0.31
<b>Max</b>	93.37	92.36	91.68	91.24
<b>Min</b>	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
<b>Average</b>	2743.7	0.0009	0.0012	0.0013	0.0015	0.0017	0.0019
<b>Median</b>	2739.5	0.0009	0.0012	0.0013	0.0015	0.0017	0.0019
<b>St. Dev.</b>	35.1	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003
<b>Max</b>	2789.0	0.0012	0.0015	0.0016	0.0019	0.0021	0.0025
<b>Min</b>	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
<b>Average</b>	0.0024	0.0031	0.0036	0.0042
<b>Median</b>	0.0024	0.0031	0.0037	0.0042
<b>St, Dev.</b>	0.0002	0.0002	0.0002	0.0001
<b>Max</b>	0.0028	0.0036	0.0040	0.0044
<b>Min</b>	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
<b>Average</b>	2737.3	0.0013	0.0016	0.0021	0.0024	0.0026	0.0033
<b>Median</b>	2740.5	0.0013	0.0016	0.0021	0.0024	0.0027	0.0033
<b>St, Dev.</b>	29.6	0.0001	0.0001	0.0002	0.0001	0.0001	0.0002
<b>Max</b>	2783.0	0.0016	0.0017	0.0024	0.0027	0.0028	0.0035
<b>Min</b>	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
<b>Average</b>	0.0037	0.0041	0.0048	0.0052
<b>Median</b>	0.0038	0.0041	0.0048	0.0052
<b>St, Dev.</b>	0.0002	0.0002	0.0002	0.0001
<b>Max</b>	0.0040	0.0043	0.0052	0.0054
<b>Min</b>	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
<b>Average</b>	2739.3	0.0015	0.0018	0.0021	0.0026	0.0032	0.0037
<b>Median</b>	2742.5	0.0015	0.0018	0.0021	0.0026	0.0031	0.0037
<b>St, Dev.</b>	20.8	0.0001	0.0001	0.0002	0.0001	0.0002	0.0002
<b>Max</b>	2765.0	0.0017	0.0021	0.0025	0.0029	0.0035	0.0042
<b>Min</b>	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
<b>Average</b>	0.0043	0.0048	0.0054	0.0060
<b>Median</b>	0.0043	0.0048	0.0054	0.0059
<b>St, Dev.</b>	0.0002	0.0002	0.0002	0.0002
<b>Max</b>	0.0046	0.0051	0.0056	0.0065
<b>Min</b>	0.0039	0.0044	0.0050	0.0057



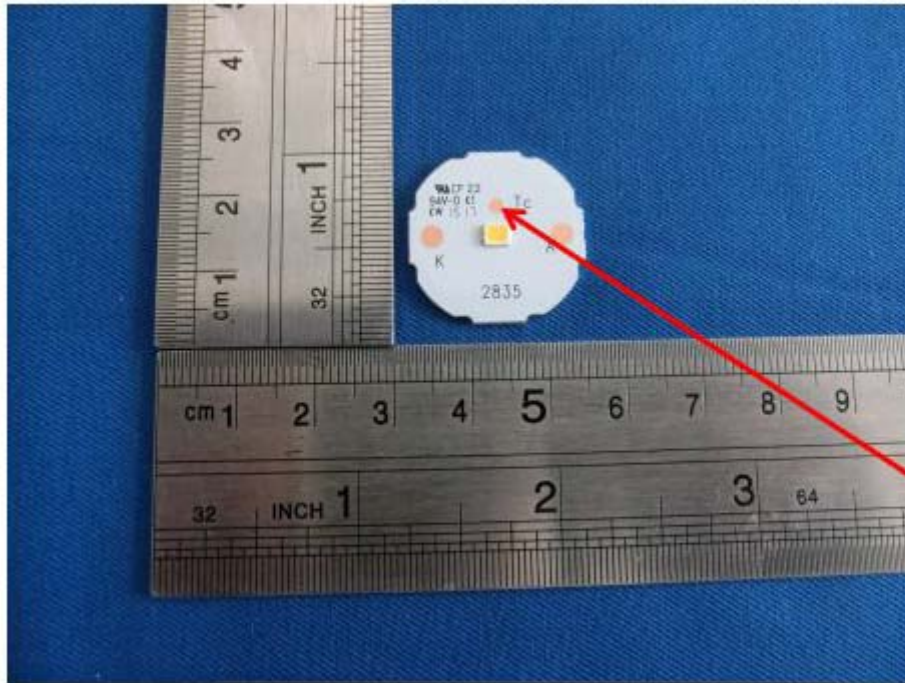


**ANNEX:**

**Photo-documentation**



**Photo 1 General Appearance of the EUT**



**Case Temperature  
Measurement Point**