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:	SPMWHX1228FXXXXXXXX
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.:	BST1510440900002Y-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	:	SPMWH1228FD5WAV0S2 (3000K)
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 :
Supervisor

Approved & Authorized Signer :

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	Ts=54.2℃ T_A=53.3℃ R.H.<65% I_F=150mA	Ts=84.6℃ T_A=83.3℃ R.H.<65% I_F=150mA	Ts=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	94.20%	94.04%	90.57%
Average Chromaticity Shift △u'v' at 10000 hour	0.0042	0.0052	0.0059
Failure	0	0	0
α	7.159E-06	7.326E-06	1.102E-05
β	1.017	1.009	1.009
Calculated L70(10k) (hours)	52,000	50,000	33,000
Reported L70(hours)	52,000	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℃/150mA

No.	Φ(lm)	V_F(V)	Lumen maintenance (%)					
	0h(Initial)		1000h	2000h	3000h	4000h	5000h	6000h
1	49.5	3.1	100.05	99.67	98.94	98.66	98.03	96.87
2	50.3	3.1	100.03	99.68	98.95	98.45	97.68	97.43
3	49.1	3.0	100.01	99.62	98.75	98.26	98.08	96.97
4	48.9	3.1	100.03	99.62	98.72	98.36	97.81	97.38
5	50.1	3.1	100.02	99.61	98.72	98.17	97.53	96.88
6	50.3	3.1	100.03	99.61	98.82	98.35	97.53	97.48
7	49.1	3.1	100.07	99.61	98.73	98.36	97.81	97.35
8	49.2	3.1	100.05	99.62	99.25	98.42	97.83	97.42
9	49.6	3.0	100.02	99.57	98.62	98.26	97.72	97.36
10	49.8	3.1	100.08	99.62	98.64	98.31	97.73	97.43
11	50.5	3.0	100.05	99.53	98.92	98.32	97.88	97.43
12	49.6	3.0	100.02	99.88	98.66	98.22	97.82	97.65
13	48.8	3.1	100.03	99.51	98.78	98.36	97.78	97.12
14	49.7	3.0	100.03	99.42	98.75	98.26	97.78	97.43
15	49.6	3.1	100.03	99.61	98.72	98.35	97.82	97.42
16	49.7	3.1	100.11	99.51	98.95	98.68	97.72	97.49
17	50.2	3.1	100.13	99.68	98.71	98.29	97.83	97.38
18	49.1	3.0	100.07	99.53	98.81	98.29	97.63	97.41
19	49.3	3.1	100.01	99.63	98.93	98.22	97.93	97.41
20	49.7	3.0	100.02	99.65	98.87	98.35	97.86	97.43
Average	49.6	3.1	100.0	99.61	98.81	98.35	97.79	97.34
Median	49.6	3.1	100.0	99.62	98.77	98.34	97.81	97.42
St, Dev.	0.5	0.0	0.0	0.09	0.15	0.13	0.14	0.21
Max	50.5	3.1	100.1	99.88	99.25	98.68	98.08	97.65
Min	48.8	3.0	100.0	99.42	98.62	98.17	97.53	96.87

Operating Condition: 55℃/150mA

No.	Lumen maintenance (%)			
	7000h	8000h	9000h	10000h
1	97.25	96.61	95.35	94.25
2	96.79	95.88	95.38	94.08
3	97.18	96.38	95.24	94.1
4	97.23	96.79	95.73	94.62
5	97.23	96.51	95.52	94.16
6	97.22	96.43	95.85	94.61
7	96.82	96.77	95.39	94.03
8	96.81	95.92	95.53	93.91
9	96.68	96.47	95.35	94.08
10	96.85	96.66	95.27	94.15
11	96.96	96.62	95.37	93.95
12	96.75	96.33	95.35	94.34
13	97.14	96.39	95.82	94.21
14	97.12	96.66	95.35	94.14
15	97.16	96.29	95.53	94.62
16	96.83	96.34	95.73	93.82
17	97.23	96.49	95.56	94.25
18	96.82	96.28	95.47	94.58
19	96.83	96.41	95.62	94.13
20	96.92	96.25	95.42	93.98
Average	97.0	96.42	95.49	94.20
Median	96.9	96.42	95.45	94.15
St, Dev.	0.2	0.24	0.18	0.24
Max	97.3	96.79	95.85	94.62
Min	96.7	95.88	95.24	93.82

Operating Condition: 85℃/150mA

No.	Φ(lm)	V_F(V)	Lumen maintenance (%)					
	0h(Initial)		1000h	2000h	3000h	4000h	5000h	6000h
1	49.8	3.0	99.82	98.63	98.36	98.23	97.35	96.81
2	48.8	3.1	99.82	98.96	98.35	97.72	97.37	96.86
3	49.4	3.1	99.84	98.76	97.87	97.65	97.37	96.64
4	50.4	3.0	99.97	98.83	98.29	97.54	97.25	96.34
5	50.8	3.1	99.86	98.75	98.37	97.32	97.42	96.12
6	49.7	3.1	99.84	99.45	98.32	97.81	97.35	96.81
7	49.1	3.1	99.98	98.89	98.26	97.73	97.24	96.97
8	49.7	3.1	99.87	98.36	98.22	97.52	97.39	96.97
9	50.3	3.0	99.82	98.98	98.34	97.58	97.47	96.78
10	50.7	3.1	99.88	98.64	98.13	97.75	97.34	96.58
11	49.1	3.0	99.93	98.73	98.38	97.72	97.45	96.64
12	49.1	3.1	99.85	98.75	98.25	97.85	97.25	96.83
13	48.9	3.1	99.92	98.78	98.42	97.86	97.35	96.94
14	48.7	3.1	99.97	98.95	98.48	97.76	97.36	96.2
15	49.8	3.0	99.88	98.96	98.33	97.93	97.35	96.87
16	49.1	3.1	99.96	98.97	98.32	97.75	97.16	96.31
17	49.0	3.0	99.91	98.86	98.34	97.75	97.23	96.98
18	49.3	3.1	99.91	98.85	97.48	98.32	97.53	96.82
19	49.5	3.1	99.88	98.87	98.24	97.75	97.46	96.94
20	48.8	3.0	99.73	98.82	98.35	97.81	97.47	96.96
Average	49.5	3.1	99.9	98.84	98.26	97.77	97.36	96.72
Median	49.4	3.1	99.9	98.84	98.33	97.75	97.36	96.82
St, Dev.	0.6	0.0	0.1	0.21	0.22	0.22	0.10	0.27
Max	50.8	3.1	100.0	99.45	98.48	98.32	97.53	96.98
Min	48.7	3.0	99.7	98.36	97.48	97.32	97.16	96.12

Operating Condition: 85℃/150mA

No.	Lumen maintenance (%)			
	7000h	8000h	9000h	10000h
1	95.83	94.55	94.32	93.97
2	95.68	95.35	94.78	93.87
3	95.88	93.98	93.43	93.96
4	95.49	94.83	94.67	93.89
5	95.84	93.75	93.68	93.85
6	95.85	94.76	94.78	94.02
7	95.68	94.67	94.78	93.92
8	95.67	94.76	94.59	93.81
9	95.63	94.77	94.28	93.86
10	95.46	94.47	94.28	93.82
11	95.35	94.56	94.85	94.48
12	95.28	94.72	94.76	94.38
13	95.69	94.97	94.92	94.86
14	95.89	94.92	94.51	94.04
15	95.97	94.78	94.57	94.07
16	95.87	94.77	94.54	94.23
17	95.89	94.74	94.56	93.82
18	96.11	94.98	94.67	94.22
19	95.83	94.81	94.57	93.54
20	95.94	94.75	94.58	94.18
Average	95.74	94.69	94.51	94.04
Median	95.83	94.76	94.58	93.97
St, Dev.	0.22	0.34	0.37	0.29
Max	96.11	95.35	94.92	94.86
Min	95.28	93.75	93.43	93.54

Operating Condition: 105℃/150mA

No.	Φ(lm)	V_F(V)	Lumen maintenance (%)					
	0h(Initial)		1000h	2000h	3000h	4000h	5000h	6000h
1	50.6	3.1	99.28	98.27	97.64	96.28	95.65	94.87
2	49.2	3.0	99.64	98.34	97.43	96.76	96.1	95.2
3	49.9	3.1	99.53	98.22	97.44	96.77	96.36	95.35
4	50.8	3.0	99.61	97.92	96.27	95.89	95.51	94.59
5	49.5	3.1	99.48	98.88	98.26	97.21	96.33	95.32
6	48.9	3.0	99.57	98.66	97.13	96.29	95.42	94.12
7	49.5	3.1	99.56	98.35	97.34	96.22	95.37	94.64
8	49.6	3.0	99.48	98.66	97.76	96.37	95.82	94.95
9	50.3	3.1	99.49	97.82	97.17	96.64	95.12	94.35
10	50.1	3.1	99.37	99.28	98.35	97.26	96.64	95.93
11	50.9	3.1	99.35	98.23	97.32	96.65	95.32	94.55
12	50.6	3.1	99.63	97.95	96.93	95.86	95.22	94.34
13	49.6	3.0	99.59	98.31	97.28	96.46	95.38	94.88
14	50.6	3.0	99.55	98.22	97.29	96.45	94.86	94.13
15	49.7	3.1	99.52	98.45	97.02	96.17	95.74	94.77
16	49.8	3.1	99.29	98.27	96.78	96.01	95.33	94.55
17	49.1	3.0	99.44	98.11	97.33	96.22	95.38	94.37
18	49.8	3.0	99.64	98.46	97.94	96.73	96.12	95.61
19	49.7	3.1	99.47	98.32	97.22	96.31	95.63	94.85
20	49.3	3.0	99.63	97.94	97.18	96.23	95.33	94.88
Average	49.9	3.1	99.5	98.33	97.35	96.44	95.63	94.81
Median	49.8	3.1	99.5	98.29	97.31	96.34	95.47	94.81
St, Dev.	0.6	0.1	0.1	0.35	0.48	0.38	0.46	0.48
Max	50.9	3.1	99.6	99.28	98.35	97.26	96.64	95.93
Min	48.9	3.0	99.3	97.82	96.27	95.86	94.86	94.12

Operating Condition: 105℃/150mA

No.	Lumen maintenance (%)			
	7000h	8000h	9000h	10000h
1	93.34	92.32	91.52	90.78
2	92.32	92.12	91.74	90.35
3	92.87	92.14	91.36	90.36
4	92.37	92.25	91.21	90.55
5	92.26	92.18	91.34	90.27
6	92.56	92.25	90.95	90.37
7	92.86	92.27	90.96	90.24
8	92.37	92.19	91.45	90.45
9	92.56	92.12	91.36	90.64
10	93.09	92.35	91.45	90.92
11	92.56	92.28	91.77	90.24
12	92.97	92.15	91.53	90.35
13	92.79	92.26	91.16	90.26
14	92.86	92.27	91.45	90.87
15	92.88	92.16	91.55	91.27
16	92.68	92.37	91.47	90.66
17	92.88	92.11	91.65	90.41
18	92.97	92.27	91.75	90.77
19	92.67	92.36	91.64	90.48
20	92.68	92.02	91.56	91.23
Average	92.7	92.22	91.44	90.57
Median	92.7	92.25	91.46	90.47
St, Dev.	0.3	0.10	0.23	0.31
Max	93.3	92.37	91.77	91.27
Min	92.3	92.02	90.95	90.24

Operating Condition: 55℃/150mA

No.	CCT(K)	Chromaticity Shift △u'v'					
	0h(Initial)	1000h	2000h	3000h	4000h	5000h	6000h
1	3018	0.0007	0.0013	0.0014	0.0015	0.0019	0.0025
2	3089	0.0009	0.0015	0.0016	0.0018	0.0021	0.0023
3	3033	0.0008	0.0013	0.0016	0.0017	0.0019	0.0024
4	3002	0.0008	0.0010	0.0013	0.0016	0.0018	0.0023
5	3088	0.0010	0.0012	0.0013	0.0016	0.0018	0.0019
6	3043	0.0008	0.0014	0.0016	0.0017	0.0018	0.0019
7	3070	0.0009	0.0011	0.0013	0.0014	0.0015	0.0019
8	3074	0.0011	0.0013	0.0014	0.0015	0.0017	0.0019
9	3042	0.0011	0.0012	0.0013	0.0014	0.0015	0.0016
10	3072	0.0009	0.0011	0.0012	0.0013	0.0016	0.0018
11	3112	0.0007	0.0010	0.0011	0.0013	0.0015	0.0016
12	3085	0.0007	0.0010	0.0013	0.0015	0.0017	0.0018
13	3035	0.0008	0.0009	0.0011	0.0012	0.0015	0.0017
14	3083	0.0011	0.0012	0.0013	0.0015	0.0016	0.0018
15	3033	0.0011	0.0013	0.0014	0.0016	0.0017	0.0019
16	3060	0.0009	0.0009	0.0013	0.0013	0.0015	0.0019
17	2981	0.0012	0.0013	0.0014	0.0015	0.0016	0.0019
18	2989	0.0008	0.0009	0.0011	0.0012	0.0013	0.0017
19	3002	0.0009	0.0012	0.0013	0.0015	0.0018	0.0022
20	3042	0.0007	0.0008	0.0010	0.0012	0.0016	0.0019
Average	3047.7	0.0009	0.0011	0.0013	0.0015	0.0017	0.0019
Median	3042.5	0.0009	0.0012	0.0013	0.0015	0.0017	0.0019
St, Dev.	36.8	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003
Max	3112.0	0.0012	0.0015	0.0016	0.0018	0.0021	0.0025
Min	2981.0	0.0007	0.0008	0.0010	0.0012	0.0013	0.0016

Operating Condition: 55℃/150mA

No.	Chromaticity Shift △u'v'			
	7000h	8000h	9000h	10000h
1	0.0022	0.0027	0.0035	0.0041
2	0.0018	0.003	0.0036	0.0043
3	0.0025	0.0032	0.0034	0.0041
4	0.0023	0.0029	0.0033	0.0043
5	0.0025	0.0031	0.0037	0.0039
6	0.0022	0.003	0.0034	0.0042
7	0.0025	0.0031	0.0037	0.0043
8	0.0023	0.0035	0.004	0.0043
9	0.0025	0.0028	0.0031	0.0041
10	0.0025	0.0034	0.004	0.0042
11	0.0028	0.0032	0.0038	0.0044
12	0.0026	0.0032	0.0039	0.0041
13	0.0024	0.0031	0.0036	0.0042
14	0.0023	0.003	0.0038	0.0042
15	0.0022	0.0031	0.0036	0.0043
16	0.0023	0.0032	0.0037	0.0044
17	0.0024	0.0031	0.0035	0.0042
18	0.0022	0.0031	0.0033	0.004
19	0.0023	0.0027	0.0033	0.0042
20	0.0025	0.0031	0.0035	0.004
Average	0.0024	0.0031	0.0036	0.0042
Median	0.0024	0.0031	0.0036	0.0042
St, Dev.	0.0002	0.0002	0.0002	0.0001
Max	0.0028	0.0035	0.0040	0.0044
Min	0.0018	0.0027	0.0031	0.0039

Operating Condition: 85℃/150mA

No.	CCT(K)	Chromaticity Shift △u'v'					
	0h(Initial)	1000h	2000h	3000h	4000h	5000h	6000h
1	3094	0.0014	0.0015	0.0018	0.0024	0.0027	0.0034
2	3070	0.0013	0.0015	0.0023	0.0027	0.0028	0.0034
3	3073	0.0014	0.0017	0.0022	0.0026	0.0029	0.0034
4	3050	0.0012	0.0014	0.002	0.0022	0.0024	0.0031
5	3059	0.0013	0.0015	0.0021	0.0025	0.0028	0.0033
6	3097	0.0009	0.0014	0.002	0.0024	0.0028	0.0035
7	3067	0.0016	0.0017	0.0019	0.0023	0.0025	0.0034
8	3056	0.0014	0.0016	0.0024	0.0026	0.0028	0.0032
9	3050	0.0012	0.0013	0.0024	0.0026	0.0028	0.0033
10	3047	0.0015	0.0017	0.0023	0.0025	0.0028	0.0033
11	3074	0.0014	0.0016	0.0021	0.0023	0.0024	0.003
12	3100	0.0014	0.0016	0.0021	0.0023	0.0026	0.0029
13	3071	0.0015	0.0017	0.0021	0.0024	0.0027	0.0033
14	3050	0.0012	0.0014	0.0021	0.0025	0.0026	0.0032
15	3046	0.0013	0.0016	0.0019	0.0024	0.0026	0.0034
16	2980	0.0012	0.0015	0.0021	0.0026	0.0028	0.0035
17	3008	0.0013	0.0016	0.002	0.0023	0.0026	0.0032
18	3134	0.0013	0.0016	0.0021	0.0023	0.0028	0.0032
19	3067	0.0013	0.0015	0.0023	0.0024	0.0028	0.0031
20	3079	0.0015	0.0017	0.0023	0.0025	0.0028	0.0033
Average	3063.5	0.0013	0.0016	0.0021	0.0024	0.0027	0.0033
Median	3066.9	0.0013	0.0016	0.0021	0.0024	0.0028	0.0033
St, Dev.	32.6	0.0002	0.0001	0.0002	0.0001	0.0001	0.0002
Max	3133.6	0.0016	0.0017	0.0024	0.0027	0.0029	0.0035
Min	2979.6	0.0009	0.0013	0.0018	0.0022	0.0024	0.0029

Operating Condition: 85℃/150mA

No.	Chromaticity Shift △u'v'			
	7000h	8000h	9000h	10000h
1	0.0038	0.0042	0.0047	0.0051
2	0.0037	0.0043	0.0048	0.0049
3	0.0036	0.0039	0.0045	0.0051
4	0.0037	0.0042	0.0048	0.0052
5	0.0036	0.004	0.0045	0.0051
6	0.0037	0.0041	0.0047	0.0052
7	0.0038	0.0041	0.0048	0.0052
8	0.0038	0.0042	0.0051	0.0053
9	0.0036	0.004	0.005	0.0054
10	0.0039	0.0042	0.005	0.0053
11	0.0038	0.004	0.0047	0.0052
12	0.0039	0.0043	0.0046	0.0054
13	0.0034	0.004	0.0048	0.0051
14	0.0035	0.0041	0.0046	0.0054
15	0.0033	0.0041	0.0046	0.0053
16	0.0036	0.0042	0.0047	0.0054
17	0.0029	0.0032	0.0045	0.005
18	0.0035	0.0041	0.0047	0.0051
19	0.0038	0.0042	0.0048	0.005
20	0.0037	0.0041	0.0047	0.0051
Average	0.0036	0.0041	0.0047	0.0052
Median	0.0037	0.0041	0.0047	0.0052
St, Dev.	0.0002	0.0002	0.0002	0.0001
Max	0.0039	0.0043	0.0051	0.0054
Min	0.0029	0.0032	0.0045	0.0049

Operating Condition: 105℃/150mA

No.	CCT(K)	Chromaticity Shift △u'v'					
	0h(Initial)	1000h	2000h	3000h	4000h	5000h	6000h
1	3076	0.0015	0.0018	0.0025	0.0027	0.0035	0.0043
2	3068	0.0014	0.0019	0.0023	0.0028	0.0033	0.0042
3	3069	0.0018	0.0019	0.0021	0.0024	0.0031	0.004
4	3069	0.0013	0.0015	0.0019	0.0025	0.003	0.0041
5	3073	0.0013	0.0016	0.0021	0.0024	0.0029	0.0038
6	3043	0.0014	0.0018	0.002	0.0025	0.0031	0.0039
7	3064	0.0015	0.0017	0.0022	0.0025	0.0032	0.0039
8	3065	0.0014	0.0018	0.002	0.0027	0.0034	0.0042
9	3047	0.0015	0.0018	0.0021	0.0025	0.003	0.0039
10	3064	0.0015	0.0016	0.0024	0.0026	0.003	0.0038
11	3065	0.0014	0.0017	0.0019	0.0024	0.0029	0.0037
12	3061	0.0015	0.0017	0.0019	0.0026	0.003	0.0036
13	3094	0.0015	0.0016	0.0019	0.0025	0.0031	0.0036
14	3058	0.0013	0.0016	0.0018	0.0025	0.0032	0.0037
15	3037	0.0015	0.0016	0.0019	0.0025	0.0029	0.0036
16	2998	0.0014	0.0017	0.0019	0.0025	0.0032	0.0036
17	3050	0.0013	0.0016	0.0019	0.0024	0.0033	0.0038
18	3056	0.0014	0.0017	0.0023	0.0027	0.0033	0.0037
19	3055	0.0016	0.0021	0.0025	0.0027	0.003	0.0038
20	3084	0.0015	0.0017	0.0019	0.0023	0.0029	0.0036
Average	3059.8	0.0015	0.0017	0.0021	0.0025	0.0031	0.0038
Median	3064.0	0.0015	0.0017	0.0020	0.0025	0.0031	0.0038
St, Dev.	19.8	0.0001	0.0001	0.0002	0.0001	0.0002	0.0002
Max	3094.0	0.0018	0.0021	0.0025	0.0028	0.0035	0.0043
Min	2998.0	0.0013	0.0015	0.0018	0.0023	0.0029	0.0036

Operating Condition: 105℃/150mA

No.	Chromaticity Shift △u'v'			
	7000h	8000h	9000h	10000h
1	0.0045	0.005	0.0054	0.0059
2	0.0045	0.0046	0.0054	0.0059
3	0.0043	0.0049	0.0053	0.0059
4	0.0043	0.0049	0.0053	0.0059
5	0.0042	0.0048	0.0055	0.0058
6	0.0039	0.0043	0.0051	0.0058
7	0.0043	0.0047	0.0052	0.0062
8	0.0044	0.0048	0.0056	0.006
9	0.0044	0.0047	0.0053	0.0058
10	0.0042	0.005	0.0054	0.0058
11	0.0042	0.0049	0.0052	0.0056
12	0.0039	0.0044	0.0053	0.0058
13	0.0039	0.0045	0.0052	0.0057
14	0.004	0.0047	0.0052	0.0063
15	0.0041	0.0047	0.0052	0.0058
16	0.0043	0.0048	0.0055	0.0064
17	0.0038	0.0046	0.0053	0.0059
18	0.0039	0.0046	0.0052	0.0057
19	0.0042	0.0044	0.0049	0.0058
20	0.0038	0.0043	0.0054	0.0057
Average	0.0042	0.0047	0.0053	0.0059
Median	0.0042	0.0047	0.0053	0.0058
St, Dev.	0.0002	0.0002	0.0002	0.0002
Max	0.0045	0.0050	0.0056	0.0064
Min	0.0038	0.0043	0.0049	0.0056

ANNEX:

Photo-documentation

Photo 1 General Appearance of the EUT