Beyond LED Technology

TEST REPORT

Prepared For:	Beyond LED Technology 1939 Parker Court Suite C Stone Mountain, GA 30087
Product Name:	LED
Model Number:	SPMWHX229AXXXXXXXX
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.:	BST1510440900007Y-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	:	Beyond LED Technology
Address	:	1939 Parker Court Suite C Stone Mountain, GA 30087
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	:	SPMWH1229AD5SGV0SA (3000K)
Rating	:	9.0V⎓, 0.10A, 0.9W
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 : Jacky Zhang
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=54.6℃ T_A=53.8℃ R.H.<65% I_F=100mA	Ts=84.4℃ T_A=83.7℃ R.H.<65% I_F=100mA	Ts=104.7℃ T_A=104.6℃ R.H.<65% I_F=100mA
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	94.31%	92.55%	90.74%
Average Chromaticity Shift △u'v' at 10000 hour	0.0041	0.0051	0.0058
Failure	0	0	0
α	4.305E-06	7.499E-06	1.090E-05
β	0.986	1.001	1.010
Calculated L70(10k) (hours)	80000	48000	34000
Reported L70(hours)	>60000	48000	34000

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℃/100mA

No.	Φ(lm)	V_F(V)	Lumen maintenance (%)					
	0h(Initial)		1000h	2000h	3000h	4000h	5000h	6000h
1	100.2	9.0	99.48	99.05	98.22	97.68	97.02	95.96
2	99.8	9.0	99.54	98.41	98.33	97.75	96.76	96.62
3	99.6	9.1	99.86	99.51	98.65	97.78	97.23	96.06
4	100.2	9.1	100.12	99.11	98.41	97.91	97.33	96.08
5	100.3	9.0	99.87	99.25	98.12	97.33	96.39	96.11
6	101.2	9.0	99.67	99.16	98.25	97.36	96.78	96.21
7	100.5	9.0	99.85	98.57	98.54	97.56	96.46	96.08
8	99.8	9.0	99.88	99.65	97.52	97.11	96.25	95.87
9	99.7	9.0	99.92	98.96	97.58	96.25	96.12	95.77
10	99.8	9.0	99.78	99.25	98.62	97.25	96.37	96.21
11	100.2	9.0	99.69	99.16	98.36	97.33	96.87	96.12
12	100.5	9.0	99.59	98.57	97.58	96.51	96.12	95.88
13	99.7	9.0	99.58	99.65	98.47	97.63	96.33	96.23
14	99.6	9.0	100.06	99.28	98.76	97.44	96.52	96.18
15	99.8	9.0	99.36	98.75	97.52	96.58	95.74	96.23
16	99.7	9.0	99.88	98.76	97.36	96.32	95.62	96.18
17	99.6	9.0	99.67	98.74	97.28	96.45	95.14	96.32
18	99.8	9.0	99.85	98.36	97.33	96.18	95.33	96.18
19	105.2	9.0	99.74	98.74	97.29	96.65	95.88	96.11
20	103.5	9.1	99.69	98.52	97.45	96.45	95.84	95.88
Average	100.4	9.0	99.75	98.97	97.98	97.08	96.31	96.11
Median	99.8	9.0	99.76	99.01	98.17	97.29	96.35	96.12
St, Dev.	1.4	0.0	0.19	0.40	0.53	0.59	0.60	0.19
Max	105.2	9.1	100.12	99.65	98.76	97.91	97.33	96.62
Min	99.6	9.0	99.36	98.36	97.28	96.18	95.14	95.77

Operating Condition: 55℃/100mA

No.	Lumen maintenance (%)			
	7000h	8000h	9000h	10000h
1	95.88	95.12	95.33	94.55
2	95.23	94.99	94.38	94.11
3	95.89	95.21	95.29	94.63
4	95.88	95.18	95.34	94.26
5	95.77	95.16	95.12	94.81
6	95.76	94.98	94.88	94.11
7	95.75	95.88	94.89	94.09
8	96.11	95.26	95.18	94.05
9	95.88	95.33	95.16	94.14
10	95.92	95.25	94.39	94.07
11	95.45	95.11	94.51	93.96
12	96.11	95.08	94.38	94.11
13	96.08	95.18	94.36	94.21
14	96.09	95.18	94.55	94.62
15	96.08	95.11	94.58	94.25
16	96.23	95.22	94.51	94.08
17	95.99	95.18	95.12	94.68
18	95.88	95.16	95.18	94.67
19	95.69	95.22	95.16	94.68
20	95.77	95.08	95.31	94.18
Average	95.87	95.19	94.88	94.31
Median	95.88	95.18	95.01	94.20
St, Dev.	0.24	0.18	0.38	0.28
Max	96.23	95.88	95.34	94.81
Min	95.23	94.98	94.36	93.96

Operating Condition: 85℃/100mA

No.	Φ(lm)	V_F(V)	Lumen maintenance (%)					
	0h(Initial)		1000h	2000h	3000h	4000h	5000h	6000h
1	99.7	9.0	99.89	99.12	98.36	98.12	97.43	96.83
2	99.9	9.1	99.82	99.11	98.26	97.88	96.82	95.33
3	100.1	9.0	99.81	98.86	97.36	97.12	96.38	95.28
4	99.9	9.0	100.08	99.33	98.22	97.85	96.33	95.37
5	100.3	9.0	100.12	98.82	97.92	97.76	96.48	95.33
6	101.2	9.0	99.85	99.11	98.62	97.28	96.45	95.37
7	100.5	9.0	100.05	99.23	98.51	97.49	96.33	95.21
8	102.3	9.0	99.83	99.55	98.45	97.69	96.34	95.22
9	105.2	9.1	99.89	99.23	98.36	97.41	96.28	95.33
10	99.6	9.0	99.88	99.12	98.23	97.86	96.31	95.28
11	98.5	9.0	99.91	98.82	98.45	97.82	96.28	95.38
12	98.7	9.0	99.84	98.65	98.33	97.91	96.11	95.51
13	98.3	9.0	99.88	98.62	98.11	97.63	96.35	95.14
14	98.5	9.0	100.06	99.08	98.15	97.66	96.38	95.18
15	99.2	9.1	99.87	99.11	98.66	97.81	96.18	95.16
16	100.3	9.0	100.23	99.23	98.34	97.88	96.51	95.16
17	102.3	9.0	99.92	98.81	98.51	97.58	96.28	95.33
18	103.8	9.0	99.91	98.69	98.33	97.66	96.31	95.18
19	102.6	9.0	99.87	98.69	98.33	97.39	96.28	95.14
20	105.1	9.1	99.88	98.83	98.34	97.82	96.33	95.15
Average	100.8	9.0	99.93	99.00	98.29	97.68	96.41	95.34
Median	100.2	9.0	99.89	99.10	98.34	97.73	96.33	95.28
St, Dev.	2.1	0.0	0.11	0.26	0.28	0.24	0.28	0.36
Max	105.2	9.1	100.23	99.55	98.66	98.12	97.43	96.83
Min	98.3	9.0	99.81	98.62	97.36	97.12	96.11	95.14

Operating Condition: 85℃/100mA

No.	Lumen maintenance (%)			
	7000h	8000h	9000h	10000h
1	95.18	94.66	93.91	92.58
2	94.38	94.12	93.45	92.33
3	95.33	94.31	93.96	93.18
4	95.46	94.86	93.86	92.31
5	95.34	94.87	93.62	93.08
6	94.63	94.58	93.55	92.18
7	95.82	94.46	93.62	92.31
8	95.18	94.21	93.28	92.43
9	94.91	94.87	94.19	93.51
10	95.46	94.87	93.88	92.88
11	95.34	94.11	93.96	92.33
12	95.46	94.84	93.88	92.56
13	95.33	94.76	93.96	92.31
14	95.08	94.08	93.86	92.18
15	94.95	94.84	93.62	92.54
16	94.92	94.76	93.28	92.33
17	95.12	94.81	93.41	92.41
18	95.31	94.88	93.56	92.64
19	96.11	94.08	93.85	92.44
20	95.12	94.12	93.98	92.52
Average	95.22	94.55	93.73	92.55
Median	95.25	94.71	93.86	92.44
St, Dev.	0.38	0.33	0.26	0.35
Max	96.11	94.88	94.19	93.51
Min	94.38	94.08	93.28	92.18

Operating Condition: 105℃/100mA

No.	Φ(lm)	V_F(V)	Lumen maintenance (%)					
	0h(Initial)		1000h	2000h	3000h	4000h	5000h	6000h
1	100.3	9.0	99.27	98.18	97.38	96.45	95.61	94.67
2	100.5	9.0	99.65	98.71	97.45	96.88	96.18	95.26
3	102.3	9.0	99.62	98.86	97.23	96.12	95.38	94.65
4	99.8	9.0	99.48	99.39	97.08	96.85	96.55	95.28
5	99.6	9.0	100.23	99.11	98.23	97.26	94.85	95.92
6	98.9	9.1	99.37	98.63	97.38	96.55	95.12	94.25
7	98.7	9.0	99.54	98.22	96.38	95.85	95.62	94.35
8	99.6	9.0	99.62	98.65	97.66	96.38	95.92	94.96
9	100.5	9.0	99.48	98.33	97.08	96.85	95.11	94.36
10	101.3	9.0	99.37	99.11	98.23	97.26	96.55	95.92
11	103.2	9.0	99.54	98.12	97.38	96.55	95.26	94.33
12	99.2	9.0	100.11	99.08	96.92	95.85	96.11	94.35
13	99.8	9.1	99.52	98.12	97.08	96.55	95.38	94.78
14	99.1	9.0	99.57	98.23	98.23	95.85	96.55	94.36
15	98.9	9.0	99.63	98.12	97.38	96.38	95.39	95.92
16	102.1	9.0	99.85	98.65	96.38	96.85	95.12	94.12
17	101.6	9.0	99.46	98.22	97.66	96.31	95.62	94.88
18	99.8	9.0	99.45	98.25	97.08	96.21	95.28	94.85
19	99.6	9.0	99.47	98.89	98.35	97.22	96.23	95.33
20	99.8	9.1	99.33	98.32	97.18	96.11	95.32	94.89
Average	100.2	9.0	99.58	98.56	97.39	96.52	95.66	94.87
Median	99.8	9.0	99.53	98.48	97.38	96.50	95.50	94.82
St, Dev.	1.3	0.0	0.24	0.40	0.56	0.45	0.54	0.57
Max	103.2	9.1	100.23	99.39	98.35	97.26	96.55	95.92
Min	98.7	9.0	99.27	98.12	96.38	95.85	94.85	94.12

Operating Condition: 105℃/100mA

No.	Lumen maintenance (%)			
	7000h	8000h	9000h	10000h
1	93.33	92.45	91.33	90.66
2	93.12	92.41	91.34	90.98
3	93.11	92.51	91.25	90.37
4	92.89	92.48	91.46	90.89
5	93.18	92.88	92.33	91.46
6	92.88	92.18	91.12	90.68
7	93.18	92.45	91.25	90.65
8	93.16	92.29	91.46	90.65
9	93.54	92.21	91.38	90.82
10	93.18	92.35	91.26	90.45
11	93.16	92.36	92.33	90.38
12	92.88	92.21	91.12	90.41
13	93.51	92.57	91.25	90.88
14	93.45	92.32	91.46	91.18
15	92.96	92.25	91.38	90.56
16	93.18	92.46	91.46	90.39
17	93.45	92.35	91.33	90.85
18	93.28	92.21	91.56	90.49
19	92.98	92.25	91.88	90.92
20	93.11	92.45	91.91	91.12
Average	93.18	92.38	91.49	90.74
Median	93.17	92.36	91.38	90.67
St, Dev.	0.20	0.16	0.35	0.30
Max	93.54	92.88	92.33	91.46
Min	92.88	92.18	91.12	90.37

Operating Condition: 55℃/100mA

No.	CCT(K)	Chromaticity Shift △u'v'					
	0h(Initial)	1000h	2000h	3000h	4000h	5000h	6000h
1	3033	0.0007	0.0011	0.0012	0.0016	0.0017	0.0021
2	3045	0.0006	0.0011	0.0015	0.0017	0.0017	0.0019
3	3051	0.0007	0.0011	0.0012	0.0015	0.0017	0.0022
4	3088	0.0008	0.0011	0.0013	0.0016	0.0018	0.0023
5	3115	0.0007	0.0012	0.0012	0.0017	0.0018	0.0025
6	3028	0.0006	0.0012	0.0013	0.0018	0.0019	0.0024
7	2996	0.0006	0.0012	0.0015	0.0016	0.0017	0.0023
8	2988	0.0007	0.0011	0.0012	0.0017	0.0019	0.0024
9	3056	0.0008	0.0011	0.0013	0.0015	0.0018	0.0023
10	3115	0.0007	0.0011	0.0015	0.0016	0.0017	0.0022
11	3155	0.0006	0.0012	0.0014	0.0016	0.0018	0.0023
12	3145	0.0007	0.0012	0.0015	0.0017	0.0018	0.0024
13	3088	0.0006	0.0011	0.0013	0.0015	0.0017	0.0021
14	3086	0.0007	0.0011	0.0012	0.0017	0.0018	0.0022
15	3086	0.0006	0.0012	0.0014	0.0016	0.0017	0.0023
16	3077	0.0007	0.0013	0.0014	0.0015	0.0019	0.0025
17	3046	0.0008	0.0011	0.0015	0.0017	0.0020	0.0026
18	3048	0.0007	0.0011	0.0013	0.0016	0.0017	0.0023
19	3105	0.0006	0.0011	0.0014	0.0016	0.0017	0.0022
20	3056	0.0007	0.0010	0.0013	0.0016	0.0017	0.0021
Average	3070	0.0007	0.0011	0.0013	0.0016	0.0018	0.0023
Median	3067	0.0007	0.0011	0.0013	0.0016	0.0018	0.0023
St, Dev.	44	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002
Max	3155	0.0008	0.0013	0.0015	0.0018	0.0020	0.0026
Min	2988	0.0006	0.0010	0.0012	0.0015	0.0017	0.0019

Operating Condition: 55℃/100mA

No.	Chromaticity Shift △u'v'			
	7000h	8000h	9000h	10000h
1	0.0023	0.0028	0.0033	0.0040
2	0.0021	0.0032	0.0035	0.0041
3	0.0024	0.0033	0.0034	0.0041
4	0.0023	0.0031	0.0036	0.0039
5	0.0025	0.0035	0.0038	0.0039
6	0.0026	0.0032	0.0035	0.0040
7	0.0026	0.0034	0.0036	0.0041
8	0.0022	0.0035	0.0037	0.0042
9	0.0025	0.0037	0.0040	0.0042
10	0.0023	0.0035	0.0037	0.0040
11	0.0022	0.0033	0.0035	0.0043
12	0.0023	0.0029	0.0032	0.0038
13	0.0022	0.0032	0.0037	0.0041
14	0.0022	0.0031	0.0036	0.0042
15	0.0018	0.0033	0.0035	0.0041
16	0.0023	0.0031	0.0038	0.0044
17	0.0022	0.0034	0.0033	0.0039
18	0.0023	0.0029	0.0033	0.0041
19	0.0023	0.0028	0.0032	0.0039
20	0.0022	0.0032	0.0035	0.0039
Average	0.0023	0.0032	0.0035	0.0041
Median	0.0023	0.0032	0.0035	0.0041
St, Dev.	0.0002	0.0002	0.0002	0.0002
Max	0.0026	0.0037	0.0040	0.0044
Min	0.0018	0.0028	0.0032	0.0038

Operating Condition: 85℃/100mA

No.	CCT(K)	Chromaticity Shift △u'v'					
	0h(Initial)	1000h	2000h	3000h	4000h	5000h	6000h
1	3086	0.0009	0.0014	0.0018	0.0023	0.0025	0.0033
2	3112	0.0011	0.0014	0.0017	0.0024	0.0028	0.0033
3	3085	0.0011	0.0015	0.0018	0.0025	0.0028	0.0034
4	3111	0.0009	0.0013	0.0019	0.0023	0.0026	0.0036
5	3086	0.0009	0.0015	0.0017	0.0025	0.0026	0.0033
6	3069	0.0012	0.0013	0.0018	0.0023	0.0026	0.0034
7	3066	0.0011	0.0015	0.0019	0.0024	0.0028	0.0035
8	2991	0.0011	0.0014	0.0018	0.0025	0.0027	0.0034
9	2988	0.0011	0.0014	0.0019	0.0023	0.0026	0.0033
10	2939	0.0010	0.0015	0.0019	0.0022	0.0026	0.0035
11	3128	0.0009	0.0013	0.0018	0.0024	0.0026	0.0032
12	3145	0.0009	0.0015	0.0017	0.0022	0.0026	0.0033
13	3091	0.0011	0.0014	0.0018	0.0023	0.0028	0.0035
14	3086	0.0011	0.0014	0.0019	0.0023	0.0026	0.0034
15	3110	0.0012	0.0013	0.0017	0.0025	0.0027	0.0033
16	3077	0.0011	0.0015	0.0018	0.0026	0.0027	0.0036
17	2995	0.0011	0.0013	0.0019	0.0025	0.0026	0.0034
18	2986	0.0011	0.0015	0.0017	0.0023	0.0027	0.0035
19	3088	0.0010	0.0014	0.0018	0.0025	0.0027	0.0037
20	3089	0.0011	0.0014	0.0017	0.0023	0.0026	0.0036
Average	3066	0.0011	0.0014	0.0018	0.0024	0.0027	0.0034
Median	3086	0.0011	0.0014	0.0018	0.0024	0.0026	0.0034
St, Dev.	56	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Max	3145	0.0012	0.0015	0.0019	0.0026	0.0028	0.0037
Min	2939	0.0009	0.0013	0.0017	0.0022	0.0025	0.0032

Operating Condition: 85℃/100mA

No.	Chromaticity Shift △u'v'			
	7000h	8000h	9000h	10000h
1	0.0038	0.0043	0.0046	0.0050
2	0.0037	0.0042	0.0045	0.0048
3	0.0035	0.0042	0.0046	0.0050
4	0.0037	0.0041	0.0043	0.0049
5	0.0036	0.0042	0.0049	0.0051
6	0.0037	0.0042	0.0048	0.0052
7	0.0036	0.0041	0.0045	0.0049
8	0.0038	0.0042	0.0046	0.0051
9	0.0036	0.0043	0.0045	0.0050
10	0.0036	0.0043	0.0053	0.0053
11	0.0038	0.0041	0.0048	0.0053
12	0.0035	0.0042	0.0047	0.0052
13	0.0034	0.0043	0.0048	0.0050
14	0.0035	0.0041	0.0046	0.0051
15	0.0033	0.0045	0.0047	0.0053
16	0.0036	0.0042	0.0048	0.0054
17	0.0029	0.0046	0.0049	0.0051
18	0.0035	0.0045	0.0048	0.0052
19	0.0035	0.0044	0.0047	0.0052
20	0.0037	0.0042	0.0046	0.0051
Average	0.0036	0.0043	0.0047	0.0051
Median	0.0036	0.0042	0.0047	0.0051
St, Dev.	0.0002	0.0001	0.0002	0.0002
Max	0.0038	0.0046	0.0053	0.0054
Min	0.0029	0.0041	0.0043	0.0048

Operating Condition: 105℃/100mA

No.	CCT(K)	Chromaticity Shift △u'v'					
	0h(Initial)	1000h	2000h	3000h	4000h	5000h	6000h
1	3088	0.0008	0.0012	0.0016	0.0022	0.0026	0.0032
2	3069	0.0008	0.0011	0.0015	0.0022	0.0026	0.0031
3	3055	0.0009	0.0013	0.0018	0.0023	0.0026	0.0034
4	3028	0.0009	0.0015	0.0017	0.0024	0.0027	0.0035
5	2968	0.0008	0.0015	0.0017	0.0025	0.0027	0.0035
6	2966	0.0009	0.0013	0.0016	0.0021	0.0026	0.0036
7	3056	0.0011	0.0015	0.0019	0.0024	0.0026	0.0034
8	3065	0.0010	0.0014	0.0018	0.0023	0.0027	0.0033
9	3125	0.0011	0.0014	0.0019	0.0023	0.0026	0.0036
10	2965	0.0009	0.0015	0.0019	0.0022	0.0026	0.0036
11	2933	0.0009	0.0013	0.0018	0.0024	0.0026	0.0037
12	3054	0.0008	0.0015	0.0017	0.0022	0.0026	0.0034
13	3056	0.0010	0.0014	0.0018	0.0023	0.0025	0.0036
14	3088	0.0011	0.0014	0.0019	0.0023	0.0026	0.0035
15	3111	0.0010	0.0015	0.0017	0.0025	0.0027	0.0035
16	3045	0.0011	0.0013	0.0018	0.0024	0.0027	0.0036
17	2968	0.0012	0.0015	0.0019	0.0022	0.0026	0.0036
18	2967	0.0011	0.0015	0.0019	0.0022	0.0027	0.0035
19	3056	0.0010	0.0013	0.0018	0.0023	0.0026	0.0035
20	3088	0.0011	0.0014	0.0019	0.0022	0.0026	0.0036
Average	3038	0.0010	0.0014	0.0018	0.0023	0.0026	0.0035
Median	3056	0.0010	0.0014	0.0018	0.0023	0.0026	0.0035
St, Dev.	56	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Max	3125	0.0012	0.0015	0.0019	0.0025	0.0027	0.0037
Min	2933	0.0008	0.0011	0.0015	0.0021	0.0025	0.0031

Operating Condition: 105℃/100mA

No.	Chromaticity Shift △u'v'			
	7000h	8000h	9000h	10000h
1	0.0041	0.0048	0.0052	0.0057
2	0.0043	0.0048	0.0053	0.0061
3	0.0042	0.0049	0.0054	0.0058
4	0.0041	0.0048	0.0052	0.0057
5	0.0042	0.0048	0.0053	0.0058
6	0.0043	0.0049	0.0052	0.0057
7	0.0043	0.0047	0.0051	0.0062
8	0.0042	0.0046	0.0052	0.0058
9	0.0041	0.0048	0.0054	0.0056
10	0.0042	0.0051	0.0052	0.0058
11	0.0042	0.0052	0.0053	0.0056
12	0.0039	0.0048	0.0054	0.0057
13	0.0042	0.0047	0.0045	0.0053
14	0.0038	0.0047	0.0053	0.0063
15	0.0039	0.0046	0.0052	0.0057
16	0.0039	0.0048	0.0051	0.0058
17	0.0038	0.0047	0.0052	0.0059
18	0.0040	0.0046	0.0053	0.0057
19	0.0039	0.0048	0.0052	0.0058
20	0.0038	0.0049	0.0053	0.0057
Average	0.0041	0.0048	0.0052	0.0058
Median	0.0041	0.0048	0.0052	0.0058
St, Dev.	0.0002	0.0002	0.0002	0.0002
Max	0.0043	0.0052	0.0054	0.0063
Min	0.0038	0.0046	0.0045	0.0053

ANNEX:

Photo-documentation

Photo 1 General Appearance of the EUT