Test Report

Client Name	:	SHENZHEN REFOND OPTOELECTRONICS CO .,LTD
Address	:	Bright new district of shen hen tian Lao 10 industrial one 1
Product Name	:	SMD3014-C13
Date	:	2021-04-06

Shenzhen Anbotek Pengcheng Compliance Laboratory Limited

Report No.:	68260LC10007901
Product Description:	SMD3014-C13
Model No.:	RF-27TC13DS-EC-N-Y
Test Initiation Date:	2020-02-07
Test Completion Date:	2021-02-26
Test Standard:	IES LM-80-15
Test Laboratory:	Shen hen Anbotek Pengcheng Compliance Laboratory Limited
Testing location:	Zone B, 1/F., Building 2, Phase III, Huangtian Yangbei Industrial Zone, Huangtian Community, Hangcheng Street, Bao'an District, Shen hen, Guangdong, China.

Tested by **Reviewed by**

Lenin Ye / Lenin Ye Flora Zhang/ Flora Zhang

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or use in L

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1 General Information

1.1 Product Description for Device under Test (DUT)

Part Number:	SMD3014-C13
Part type:	RF-27TC13DS-EC-N-Y
Nominal CCT:	2700K
Nominal CRI:	90
Nominal Input Power(W):	0.18W
Mean Initial Forward Voltage(V):	3V
Nominal LED Die Area(mm^2):	0.07mm
Average Current per LED Die(mA):	60mA
Average current density per LED Die(mA/mm^2):	830.24mA/mm
Average power per LED Die(W):	0.18W
Average power density per LED Die(W/mm^2):	2.49W/mm

Family products covered by this report:

According to ENERGY STAR Requirements for the Use of LM-80 Data, the following products can be covered by this report base on the information and declaration provided by manufacturer. The information of these models shows that the covered products meet all section 4 requirements of ENERGY STAR Requirements for the Use of LM-80 Data (September 28, 2017)

This report covers the following models:

Series Name	Model name	Number of dies	Average current density per LED die (mA/mm 2)	Current mA	power intensity W/m m2	Power W	distance between of dies (mm)	Series	Parallel	Driver current of die
SMD3014-C13	RF-27TC13DS-EC-N-Y	1	830.24	60	2.49	0.18	0	0	0	60
SMD3014-C13	R*-****C13DS-EC-N-Y	1	830.24	60	2.49	0.18	0	0	0	60
SMD3014-C13	R*-****C13DS-EC-F-Y	1	415.12	30	1.25	0.09	0	0	0	30
SMD3014-C13	R*-****C13DS-EC-Y	1	276.75	20	0.83	0.06	0	0	0	20
SMD3014-C13	R*-****C13DS-EE-N-Y	1	830.24	60	2.49	0.18	0	0	0	60
SMD3014-C13	R*-****C13DS-EE-F-Y	1	415.12	30	1.25	0.09	0	0	0	30
SMD3014-C13	R*-****C13DS-EE-Y	1	276.75	20	0.83	0.06	0	0	0	20
SMD3014-C13	R*-****C13DS-BF-N-Y	1	737.59	60	2.21	0.18	0	0	0	60
SMD3014-C13	R*-****C13DS-BF-F-Y	1	368.80	30	1.11	0.09	0	0	0	30
SMD3014-C13	R*-****C13DS-BF-Y	1	245.86	20	0.74	0.06	0	0	0	20
SMD3014-C13	R*-****C13DS-CF-N-Y	1	465.00	60	1.40	0.18	0	0	0	60
SMD3014-C13	R*-****C13DS-CF-F-Y	1	232.50	30	0.70	0.09	0	0	0	30
SMD3014-C13	R*-****C13DS-CF-Y	1	155.00	20	0.47	0.06	0	0	0	20
SMD3014-C13	R*-****C13DS-HH-N-Y	1	410.26	60	1.23	0.18	0	0	0	60
SMD3014-C13	R*-****C13DS-HH-F-Y	1	205.13	30	0.62	0.09	0	0	0	30
SMD3014-C13	R*-****C13DS-HH-Y	1	136.75	20	0.41	0.06	0	0	0	20
SMD3014-C13	R*-****C13DS-DF-N-Y	1	368.51	60	1.11	0.18	0	0	0	60
SMD3014-C13	R*-****C13DS-DF-F-Y	1	184.25	30	0.55	0.09	0	0	0	30
SMD3014-C13	R*-****C13DS-DF-Y	1	122.84	20	0.37	0.06	0	0	0	20

Note:

R*-* ** * C13DS-**-** (-Y)
A1 A2 A3 A4 A5 A6 A7 A8

Identifiers Information (if any):
A1:Letter R* can be RF or RT RG ,It is an internal Market code which does not affect property.
A2:Letter * represent customer name It can be C D H K L M P S T W Y And so on or empty
A3: Letter ** represent CCT It can be 27 30 35 40 45 50 57 60 62 65; ** does not just refer to two numbers, it may also be like the previous mentioned 2, 3, 4, 5, 6, 7, etc.
A4:Letter * represent workshop code, it can be R,M,H,T or Q&S which does not affect product property
A5:Letter C13DS is a fixed code
A6:Letter ** represent chip type, it can be EC,HH,BF,CF,DF,EF,FF or FH Code, etc., the models with code EC use the smallest si e chip.
A7:Letter ** represent current, it can be E(20mA), F(30mA) or N(60mA). Code E is a general rule and may be omitted As the voltage of above models is always 3V, Code N represents the max power.
A8:A (-Y) means the centrifugal power equipment is not used ,No (-Y) means the equipment is used.

1.2 Standards Used

IESNA LM-80-15: IES Approved Method for Measuring Luminous Flux and Color Maintenance of LED, Arrays and Modules.

ENERGY STAR® Program Guidance Regarding LED Package, LED Array and LED Module Lumen Maintenance Performance Data Supporting Qualification of Lighting Products (This test method was not accredited by NVLAP)

1.3 Test Facility Description

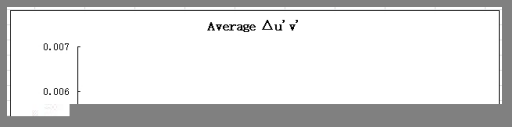
The test facility used by Shen hen Anbotek Pengcheng Compliance Laboratory Limited is located at Zone B, 1/F., Building 2, Phase III, Huangtian Yangbei Industrial Zone, Huangtian Community, Hangcheng Street, Bao'an District, Shen hen, Guangdong, China.

1.4 Test Equipment List

Device	Manufacture	Model No.	Serial No.	Calibration Date	Calibration Due Date
Digital Power Meter	YOKOGAWA	WT210	SE-074	2020-05-06	2021-05-05
LM-80 Aging Test System	KEYI	KY-3X-LH60	SE-564	2020-05-06	2021-05-05
DC Power Supply	EVERFINE	WY605	SE-605	2020-05-06	2021-05-05
Standard Lamp	OSRAM	12V/10W	SE-2243	2020-09-25	2021-09-24
Spectrum Analy er	EVERFINE	HAAS-2000	SE-607	2020-05-06	2021-05-05
Integrating Sphere (0.5m)	EVERFINE	AIS-2	SE-608	Before use	Before use

2 Summary of Test Result

Data Set	1	2	3
Nominal case temperatures	55 C	85 C	105 C
Drive Current	60 mA	60 mA	60 mA
Condition	Ts=54.9 C Ta=54.7 C R.H. 65% IF=60 mA	Ts=84.7 C Ta=84.3 C R.H. 65% IF=60 mA	Ts=104.8 C Ta=103.7 C R.H. 65% IF=60 mA
sample si e	25	25	25
Duration (in Hours)	9000	9000	9000
Intervals (in Hours)	1000	1000	1000
Failures Observed	0	0	0
Average Lumen Maintenance at 9000h	97.37%	96.98%	96.48%
Average Chromaticity Shift at 9000h	0.0022	0.0027	0.0034
	4.417E-06	4.473E-06	4.510E-06
	1.013	1.010	1.005
Reported L_{70}(9000h) TM-21 Lifetime	>54000	>54000	>54000
Reported L_{80}(9000h) TM-21 Lifetime	53000	52000	51000
Reported L_{90}(9000h) TM-21 Lifetime	27000	26000	24000



3 Test Method

3.1 Photometric and Electrical Measurement

Total light output (luminous flux) for the 25 C 1 C ambient temperature conditions is measured using a integrating sphere. Each LED is operated at rated drive current (DC Mode).

The total uncertainty of the light output measurements is estimated, at the 95% confidence level, not to exceed 1.6% over the wavelength range 380-800nm.

3.2 Season the LED from 0 hours to 9000 hours

Three LM-80 aging measurement system Temperature Chambers are using for Seasoning, and the temperature is set to 55 C, 85 C, 105 C (manufacture defined), the airflow is minimum to keep the uniformity to temperature. LED are operated steady state (no cycling) for a period of 9000 hours, checked the lumen flux and Chromaticity Shift every 1000 hours. The samples are inspected at regular intervals (24 hours) throughout the 9000 hours. The time and date of failure of each lamp is recorded. The actual elapsed time for each light LED is in hour.

4 Test Data

4.1 Data Set 1: 55°C, 60 mA (Lumen Maintenance)

Description of Light Sources Tested: RF-27TC13DS-EC-N-Y

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4.2 Data Set 1: 55°C, 60 mA (Chromaticity Shift)

Description of Light Sources Tested:	RF-27TC13DS-EC-N-Y
Case Temperature:	54.9 C
Ambient Temperature:	54.7 C
Drive Current:	60 mA
Measure Current:	60 mA
Failures Observed:	None

Chromaticity Shift (u'v')

Sample No.	u	v	CCT(K)	1000 hrs	2000 hrs	3000 hrs	4000 hrs	5000 hrs	6000 hrs	7000 hrs	8000 hrs	9000 hrs
L1	0.2599	0.5347	2724	0.0004	0.0007	0.0005	0.0010	0.0014	0.0014	0.0017	0.0019	0.0021
L2	0.2569	0.5335	2792	0.0005	0.0004	0.0004	0.0010	0.0013	0.0011	0.0012	0.0017	0.0020
L3	0.2631	0.5366	2653	0.0003	0.0003	0.0009	0.0009	0.0012	0.0016	0.0016	0.0020	0.0018
L4	0.2606	0.5353	2708	0.0005	0.0008	0.0007	0.0012	0.0009	0.0012	0.0019	0.0015	0.0017
L5	0.2594	0.5350	2733	0.0003	0.0003	0.0010	0.0009	0.0016	0.0017	0.0019	0.0023	0.0022
L6	0.2601	0.5355	2716	0.0004	0.0005	0.0006	0.0011	0.0016	0.0016	0.0021	0.0014	0.0023
L7	0.2575	0.5341	2776	0.0007	0.0004	0.0009	0.0009	0.0011	0.0012	0.0014	0.0023	0.0027
L8	0.2588	0.5348	2746	0.0005	0.0006	0.0005	0.0012	0.0010	0.0012	0.0020	0.0020	0.0018
L9	0.2605	0.5356	2708	0.0006	0.0007	0.0008	0.0007	0.0013	0.0014	0.0020	0.0019	0.0023
L10	0.2590	0.5338	2746	0.0002	0.0004	0.0008	0.0006	0.0010	0.0018	0.0013	0.0022	0.0027
L11	0.2584	0.5336	2759	0.0003	0.0003	0.0005	0.0007	0.0012	0.0011	0.0015	0.0018	0.0019
L12	0.2571	0.5326	2791	0.0004	0.0008	0.0005	0.0010	0.0014	0.0011	0.0015	0.0019	0.0020
L13	0.2576	0.5341	2773	0.0004	0.0003	0.0008	0.0009	0.0013	0.0015	0.0015	0.0017	0.0019
L14	0.2619	0.5357	2680	0.0004	0.0005	0.0008	0.0011	0.0010	0.0014	0.0017	0.0015	0.0018
L15	0.2599	0.5353	2722	0.0004	0.0007	0.0008	0.0010	0.0011	0.0016	0.0019	0.0016	0.0021
L16	0.2609	0.5351	2702	0.0003	0.0004	0.0009	0.0010	0.0016	0.0016	0.0020	0.0020	0.0023
L17	0.2586	0.5337	2754	0.0004	0.0005	0.0006	0.0010	0.0013	0.0012	0.0016	0.0021	0.0024
L18	0.2607	0.5345	2709	0.0006	0.0005	0.0009	0.0011	0.0010	0.0012	0.0019	0.0023	0.0027
L19	0.2577	0.5342	2771	0.0006	0.0007	0.0008	0.0011	0.0012	0.0013	0.0020	0.0020	0.0018
L20	0.2620	0.5358	2677	0.0003	0.0005	0.0008	0.0007	0.0012	0.0017	0.0015	0.0021	0.0026
L21	0.2588	0.5348	2745	0.0003	0.0003	0.0010	0.0009	0.0012	0.0011	0.0014	0.0018	0.0022
L22	0.2598	0.5346	2726	0.0007	0.0004	0.0008	0.0007	0.0009	0.0013	0.0016	0.0015	0.0030
L23	0.2567	0.5333	2795	0.0006	0.0004	0.0008	0.0007	0.0014	0.0018	0.0015	0.0017	0.0024
L24	0.2575	0.5340	2777	0.0007	0.0005	0.0010	0.0011	0.0011	0.0013	0.0014	0.0016	0.0024
L25	0.2606	0.5357	2706	0.0004	0.0005	0.0005	0.0010	0.0014	0.0012	0.0016	0.0017	0.0021
AV	**0.2594**	**0.5346**	**2736**	**0.0004**	**0.0005**	**0.0007**	**0.0009**	**0.0012**	**0.0014**	**0.0017**	**0.0019**	**0.0022**
Median	0.2594	0.5347	2733	0.0004	0.0005	0.0008	0.0010	0.0012	0.0013	0.0016	0.0019	0.0022
MIN	0.2567	0.5326	2653	0.0002	0.0003	0.0004	0.0006	0.0009	0.0011	0.0012	0.0014	0.0017
MAX	0.2631	0.5366	2795	0.0007	0.0008	0.0010	0.0012	0.0016	0.0018	0.0021	0.0023	0.0030
STDEV	0.0017	0.0009	38.38	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
N	25	25	25	25	25	25	25	25	25	25	25	25

4.3 Data Set 2: 85°C, 60 mA (Lumen Maintenance)

Description of Light Sources Tested:	RF-27TC13DS-EC-N-Y
Case Temperature:	84.7 C
Ambient Temperature:	84.3 C
Drive Current:	60 mA
Measure Current:	60 mA
Failures Observed:	None

Lumen Maintenance (%)

Sample No.	VF(V)	(lm)	1000hrs	2000hrs	3000hrs	4000hrs	5000hrs	6000hrs	7000hrs	8000hrs	9000hrs
L26	3.06	17.1	100.16%	99.86%	99.48%	99.17%	98.76%	98.30%	98.04%	97.40%	96.96%
L27	3.06	17.2	100.19%	99.87%	99.59%	99.09%	98.74%	98.25%	98.04%	97.34%	96.99%
L28	3.06	16.7	100.15%	99.88%	99.58%	99.08%	98.76%	98.28%	98.03%	97.35%	97.00%
L29	3.06	16.8	100.08%	99.89%	99.51%	99.19%	98.82%	98.35%	98.02%	97.42%	97.00%
L30	3.06	16.8	100.12%	99.87%	99.53%	99.14%	98.68%	98.38%	97.84%	97.31%	96.98%
L31	3.04	16.7	100.18%	99.93%	99.46%	99.21%	98.80%	98.41%	97.85%	97.32%	97.02%
L32	3.04	16.7	100.13%	99.97%	99.58%	99.17%	98.80%	98.37%	97.90%	97.34%	96.90%
L33	3.04	16.7	100.12%	99.87%	99.54%	99.13%	98.82%	98.35%	97.83%	97.34%	96.99%
L34	3.04	16.7	100.08%	99.88%	99.54%	99.09%	98.69%	98.27%	98.00%	97.36%	96.99%
L35	3.04	16.8	100.18%	99.92%	99.46%	99.13%	98.79%	98.33%	98.00%	97.40%	97.08%
L36	3.04	16.8	100.11%	99.86%	99.43%	99.09%	98.69%	98.22%	97.90%	97.40%	96.92%
L37	3.04	16.8	100.19%	99.86%	99.52%	99.10%	98.75%	98.27%	98.04%	97.39%	96.97%
L38	3.04	16.8	100.18%	99.87%	99.59%	99.09%	98.74%	98.26%	98.03%	97.34%	96.99%
L39	3.04	16.3	100.08%	99.88%	99.53%	99.18%	98.80%	98.34%	98.02%	97.39%	97.00%
L40	3.04	16.3	100.09%	99.88%	99.53%	99.19%	98.70%	98.37%	97.94%	97.34%	97.00%
L41	3.04	16.3	100.17%	99.89%	99.48%	99.18%	98.69%	98.40%	97.85%	97.31%	97.00%
L42	3.04	16.3	100.14%	99.97%	99.54%	99.20%	98.80%	98.38%	97.88%	97.33%	96.91%
L43	3.04	16.3	100.13%	99.89%	99.56%	99.15%	98.81%	98.36%	97.88%	97.34%	96.96%
L44	3.07	17.0	100.09%	99.87%	99.54%	99.11%	98.75%	98.32%	97.95%	97.36%	96.99%
L45	3.07	17.0	100.08%	99.89%	99.53%	99.11%	98.73%	98.32%	98.00%	97.38%	97.02%
L46	3.08	17.0	100.11%	99.89%	99.46%	99.09%	98.72%	98.31%	98.06%	97.40%	96.94%
L47	3.08	16.4	100.14%	99.88%	99.48%	99.17%	98.76%	98.26%	97.90%	97.40%	97.06%
L48	3.07	16.4	100.16%	99.89%	99.61%	99.12%	98.84%	98.24%	97.97%	97.34%	96.86%
L49	3.07	16.4	100.19%	99.90%	99.48%	99.19%	98.65%	98.41%	97.82%	97.38%	96.94%
L50	3.05	17.0	100.08%	99.91%	99.63%	99.15%	98.79%	98.37%	98.01%	97.34%	97.05%
AV	**3.05**	**16.69**	**100.13%**	**99.89%**	**99.53%**	**99.14%**	**98.75%**	**98.33%**	**97.95%**	**97.36%**	**96.98%**
Median	3.04	16.74	100.13%	99.88%	99.53%	99.14%	98.76%	98.33%	97.97%	97.35%	96.99%
MIN	3.04	16.27	100.08%	99.86%	99.43%	99.08%	98.65%	98.22%	97.82%	97.31%	96.86%
MAX	3.08	17.15	100.19%	99.97%	99.63%	99.21%	98.84%	98.41%	98.06%	97.42%	97.08%
STDEV	0.01	0.29	0.0004	0.0003	0.0005	0.0004	0.0005	0.0006	0.0008	0.0003	0.0005
N	25	25	25	25	25	25	25	25	25	25	25

4.4 Data Set 2: 85°C, 60 mA (Chromaticity Shift)

Description of Light Sources Tested:	RF-27TC13DS-EC-N-Y
Case Temperature:	84.7 C
Ambient Temperature:	84.3 C
Drive Current:	60 mA
Measure Current:	60 mA
Failures Observed:	None

Chromaticity Shift (u'v')

Sample No.	u	v	CCT(K)	1000 hrs	2000 hrs	3000 hrs	4000 hrs	5000 hrs	6000 hrs	7000 hrs	8000 hrs	9000 hrs
L26	0.2609	0.5351	2702	0.0006								

4.5 Data Set 3: 105°C, 60 mA (Lumen Maintenance)

Description of Light Sources Tested:	RF-27TC13DS-EC-N-Y
Case Temperature:	104.8 C
Ambient Temperature:	103.7 C
Drive Current:	60 mA
Measure Current:	60 mA
Failures Observed:	None

Lumen Maintenance (%)

Sample No.	VF(V)	(lm)	1000hrs	2000hrs	3000hrs	4000hrs	5000hrs	6000hrs	7000hrs	8000hrs	9000hrs
L51	3.05	16.9	99.62%	99.42%	99.02%	98.67%	98.14%	97.72%	97.52%	96.87%	96.51%
L52	3.05	17.0	99.70%	99.44%	99.06%	98.60%	98.16%	97.90%	97.46%	96.83%	96.49%
L53	3.07	16.8	99.66%	99.43%	99.07%	98.70%	98.20%	97.83%	97.42%	96.82%	96.47%
L54	3.07	16.8	99.70%	99.41%	99.02%	98.62%	98.34%	97.92%	97.38%	96.87%	96.43%
L55	3.07	16.8	99.60%	99.43%	98.96%	98.66%	98.32%	97.87%	97.52%	96.86%	96.40%
L56	3.11	14.9	99.59%	99.44%	98.95%	98.65%	98.21%	97.72%	97.49%	96.92%	96.45%
L57	3.10	14.9	99.68%	99.44%	99.09%	98.71%	98.34%	97.77%	97.41%	96.85%	96.44%
L58	3.10	14.9	99.59%	99.38%	99.03%	98.70%	98.24%	97.82%	97.48%	96.81%	96.47%
L59	3.06	16.6	99.63%	99.37%	99.07%	98.67%	98.14%	97.90%	97.27%	96.84%	96.54%
L60	3.06	16.6	99.62%	99.37%	99.02%	98.58%	98.14%	97.71%	97.44%	96.87%	96.49%
L61	3.06	16.6	99.64%	99.42%	99.02%	98.66%	98.15%	97.73%	97.48%	96.86%	96.50%
L62	3.05	16.8	99.67%	99.43%	99.07%	98.65%	98.16%	97.86%	97.42%	96.83%	96.48%
L63	3.05	16.8	99.66%	99.41%	99.05%	98.69%	98.32%	97.83%	97.42%	96.83%	96.44%
L64	3.05	16.8	99.66%	99.43%	98.96%	98.63%	98.34%	97.90%	97.45%	96.86%	96.43%
L65	3.06	16.8	99.59%	99.44%	98.95%	98.66%	98.29%	97.80%	97.50%	96.90%	96.44%
L66	3.06	16.9	99.68%	99.44%	99.08%	98.66%	98.23%	97.74%	97.48%	96.86%	96.45%
L67	3.06	16.9	99.61%	99.42%	99.03%	98.71%	98.32%	97.81%	97.42%	96.85%	96.47%
L68	3.05	16.8	99.61%	99.38%	99.05%	98.69%	98.17%	97.89%	97.35%	96.82%	96.53%
L69	3.05	16.8	99.62%	99.37%	99.07%	98.61%	98.14%	97.90%	97.34%	96.84%	96.54%
L70	3.05	16.8	99.62%	99.37%	99.02%	98.66%	98.14%	97.72%	97.46%	96.87%	96.50%
L71	3.07	16.8	99.68%	99.39%	99.05%	98.59%	98.32%	97.74%	97.39%	96.85%	96.47%
L72	3.07	16.8	99.64%	99.39%	99.12%	98.70%	98.25%	97.78%	97.31%	96.89%	96.53%
L73	3.07	16.8	99.68%	99.38%	98.95%	98.71%	98.18%	97.72%	97.37%	96.91%	96.49%
L74	3.06	16.6	99.68%	99.38%	98.93%	98.70%	98.25%	97.74%	97.49%	96.91%	96.52%
L75	3.07	16.8	99.69%	99.46%	98.97%	98.70%	98.30%	97.72%	97.40%	96.81%	96.56%
AV	**3.06**	**16.55**	**99.65%**	**99.41%**	**99.02%**	**98.66%**	**98.23%**	**97.80%**	**97.43%**	**96.86%**	**96.48%**
Median	3.06	16.76	99.64%	99.42%	99.03%	98.66%	98.23%	97.80%	97.42%	96.86%	96.48%
MIN	3.05	14.86	99.59%	99.37%	98.93%	98.58%	98.14%	97.71%	97.27%	96.81%	96.40%
MAX	3.11	16.95	99.70%	99.46%	99.12%	98.71%	98.34%	97.92%	97.52%	96.92%	96.56%
STDEV	0.02	0.64	0.0004	0.0003	0.0005	0.0004	0.0008	0.0007	0.0007	0.0003	0.0004
N	25	25	25	25	25	25	25	25	25	25	25

4.6 Data Set 3: 105°C, 60 mA (Chromaticity Shift)

Description of Light Sources Tested:	RF-27TC13DS-EC-N-Y
Case Temperature:	104.8 C
Ambient Temperature:	103.7 C
Drive Current:	60 mA
Measure Current:	60 mA
Failures Observed:	None

Chromaticity Shift (u'v')

Sample No.	u	v	CCT(K)	1000 hrs	2000 hrs	3000 hrs	4000 hrs	5000 hrs	6000 hrs	7000 hrs	8000 hrs	9000 hrs
L51	0.2629	0.5365	2658	0.0010	0.0007	0.0015	0.0014	0.0024	0.0029	0.0025	0.0028	0.0035
L52	0.2597	0.5352	2726	0.0008	0.0011	0.0014	0.0019	0.0022	0.0019	0.0025	0.0030	0.0039
L53	0.2597	0.5352	2726	0.0009	0.0007	0.0017	0.0010	0.0019	0.0029	0.0025	0.0028	0.0028
L54	0.2590	0.5338	2747	0.0005	0.0008	0.0015	0.0011	0.0014	0.0020	0.0033	0.0028	0.0034
L55	0.2589	0.5338	2747	0.0007	0.0009	0.0014	0.0015	0.0014	0.0018	0.0032	0.0025	0.0038
L56	0.2597	0.5346	2728	0.0003	0.0015	0.0010	0.0018	0.0020	0.0024	0.0028	0.0029	0.0034
L57	0.2597	0.5345	2729	0.0009	0.0006	0.0019	0.0017	0.0015	0.0024	0.0033	0.0028	0.0035
L58	0.2576	0.5341	2773	0.0003	0.0012	0.0011	0.0010	0.0017	0.0018	0.0023	0.0033	0.0033
L59	0.2585	0.5336	2756	0.0009	0.0010	0.0016	0.0014	0.0018	0.0029	0.0024	0.0033	0.0027
L60	0.2585											

5 EUT Photo

5.1 EUT PHOTO

*****END OF TEST REPORT*****