



TEST REPORT

On Behalf of

All-line International Inc.

RF Flat panel with CCT Changeable

NL-A914EU1-W60R

Prepared for : All-line International Inc.
5th Floor, No. 102 Kuang Fu South Road

Prepared By : World Standardization Certification & Testing CO.,LTD
Building A, Baoshi Road, Baoshi Science & Technology Park,
Bao'an District, Shenzhen, Guangdong, China

TEL: 86-755-26996192; FAX: 86-755-26996253

Date of Test: August 31, 2015 to September 02, 2015
Date of Report: September 02, 2015
Report Number: WSCT1509001319S



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Report No.: WSCT1509001319S Issued: September 02, 2015 Revised:None

Revision History Of Report

Rev.	Issue No.	Revisions	Effect Page	Revised By
00	WSCT1309001319S	Initial Issue	ALL	Wang Fengbing

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TEST REPORT
IES LM-79-08
CIE 117-1995

Electrical and Photometric Measurements of Solid-State Lighting Products

Report Reference No.: WSCT1509001319S

Tested by (+ signature): Helen Zhang



Helen Zhang

Witnessed by (+ signature): Huang Zhidian

Huang Zhidian

Approved by (+ signature): Wang Fengbing

Wang Fengbing

Date of issue: September 02, 2015

Testing laboratory Name: World Standardization Certification & Testing Co., Ltd.

Address: Building A, Baoshi Road, Baoshi Science & Technology Park, Bao'an District, Shenzhen, Guangdong, China

Testing location: Same as above

Client Name: All-line International Inc.

Address: 5th Floor, No. 102 Kuang Fu South Road

Standard: IES LM-79-08

CIE 117-1995

Test procedure: Test Report

Non-standard test method: N/A

Test item Description: RF Flat panel with CCT Changeable

Trademark: N/A

Model and/or type reference: NL-A914EU1-W60R

Manufacturer: All-line Zhongshan Electronic Co., Ltd

Address: 4F, No109, PingHe Road Industrial Park TongYi GuZhen Town, ZhongShan, Guangdong, China

Rating(s): AC230V 50Hz 40W 3000K/AC230V 50Hz 40W 6000K





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Test case verdicts

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

Test item does meet the requirement.....: P(ass)

Test item does not meet the requirement.....: F(ail)

Testing

Date of receipt of test item: August 31, 2015

Date(s) of performance of test.....: August 31, 2015 to September 02, 2015





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Test Report

UGR Glare (3000K)

Illuminatin assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	12.8	14.2	13.1	14.4	14.6	12.9	14.2	13.2	14.5	14.7
	3H	14.3	15.6	14.7	15.8	16.1	14.5	15.7	14.8	16.0	16.3
	4H	14.8	15.9	15.2	16.2	16.5	15.0	16.0	15.4	16.4	16.7
	6H	15.3	16.4	15.7	16.7	17.0	15.5	16.6	15.9	16.9	17.3
	8H	15.5	16.6	15.9	16.9	17.2	15.8	16.8	16.2	17.2	17.5
	12H	15.5	16.3	15.9	16.7	17.1	15.8	16.6	16.2	17.0	17.4
4H	2H	13.3	14.4	13.7	14.7	15.0	13.4	14.4	13.8	14.8	15.1
	3H	15.1	15.9	15.5	16.3	16.7	15.2	16.0	15.6	16.4	16.8
	4H	15.9	16.7	16.3	17.1	17.5	16.0	16.8	16.5	17.2	17.6
	6H	16.5	17.3	17.0	17.7	18.1	16.7	17.5	17.1	17.9	18.3
	8H	16.6	17.1	17.1	17.6	18.1	16.8	17.3	17.3	17.8	18.3
	12H	16.8	17.3	17.3	17.8	18.3	17.1	17.6	17.6	18.0	18.6
8H	4H	16.2	16.6	16.7	17.1	17.6	16.3	16.8	16.8	17.2	17.7
	6H	17.0	17.4	17.5	17.9	18.4	17.1	17.6	17.6	18.0	18.6
	8H	17.3	17.8	17.8	18.2	18.8	17.5	17.9	18.0	18.4	18.9
	12H	17.6	18.1	18.1	18.5	19.1	17.8	18.3	18.3	18.8	19.3
12H	4H	16.2	16.7	16.7	17.2	17.7	16.4	16.8	16.9	17.3	17.8
	6H	17.1	17.5	17.6	18.0	18.5	17.2	17.7	17.7	18.1	18.7
	8H	17.5	17.9	18.0	18.4	18.9	17.6	18.1	18.1	18.6	19.1
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.6					0.2/-0.6				
S = 1.5H		0.6/-0.6					0.6/-0.6				
S = 2.0H		0.7/-0.8					0.7/-0.7				
Standard tables:		BK4					BKBF				
Uncorrected UGR		-1.1					1.9				
According 1000lm											





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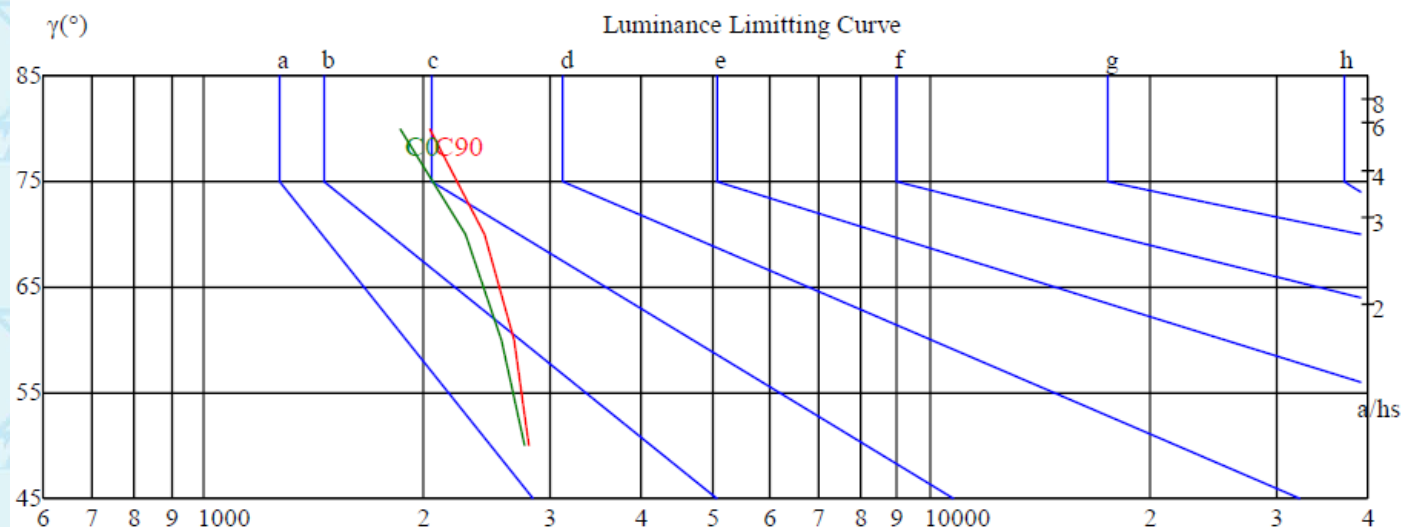
Luminance Limiting Curve(no lunuous side)

Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	0	2765	0	2572	0	2288	0	1856	0
C45	0	0	0	0	0	0	0	0	0
C90	0	2805	0	2664	0	2431	0	2043	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h



Test Result

Item	Requirement	Measured	Level	Result
UGR Glare(3000K)	≤ 28	See page 5	3	P
Luminance Limiting Curve	a-f	See page 6	d	P





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UGR Glare (6000K)

Illuminatin assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	12.9	14.3	13.2	14.5	14.7	13.0	14.4	13.3	14.6	14.9
	3H	14.4	15.7	14.8	16.0	16.3	14.7	15.9	15.0	16.2	16.5
	4H	14.9	16.0	15.3	16.3	16.7	15.2	16.3	15.6	16.6	17.0
	6H	15.5	16.5	15.8	16.8	17.2	15.8	16.9	16.2	17.2	17.6
	8H	15.7	16.7	16.0	17.0	17.4	16.1	17.1	16.5	17.5	17.8
4H	12H	15.6	16.4	16.1	16.8	17.2	16.1	16.9	16.5	17.3	17.7
	2H	13.4	14.5	13.8	14.8	15.2	13.5	14.6	13.9	14.9	15.3
	3H	15.2	16.0	15.7	16.4	16.8	15.4	16.2	15.8	16.6	17.0
	4H	16.1	16.9	16.5	17.3	17.7	16.3	17.1	16.7	17.5	17.9
	6H	16.7	17.5	17.1	17.9	18.3	17.0	17.8	17.5	18.2	18.6
8H	8H	16.8	17.3	17.3	17.7	18.3	17.2	17.6	17.7	18.1	18.6
	12H	17.0	17.5	17.5	18.0	18.5	17.4	17.9	17.9	18.4	18.9
	4H	16.4	16.8	16.9	17.3	17.8	16.6	17.0	17.1	17.5	18.0
	6H	17.2	17.6	17.7	18.1	18.6	17.5	17.9	18.0	18.4	18.9
	8H	17.5	18.0	18.0	18.5	19.0	17.8	18.3	18.3	18.8	19.3
12H	12H	17.8	18.3	18.3	18.8	19.3	18.2	18.6	18.7	19.1	19.6
	4H	16.4	16.9	16.9	17.4	17.9	16.6	17.1	17.1	17.6	18.1
	6H	17.3	17.8	17.8	18.2	18.7	17.6	18.0	18.1	18.5	19.0
	8H	17.7	18.2	18.2	18.6	19.2	18.0	18.5	18.5	18.9	19.4
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.6					0.2/-0.7				
S = 1.5H		0.6/-0.6					0.6/-0.6				
S = 2.0H		0.6/-0.8					0.7/-0.7				
Standard tables:		BK4					BKBF				
Uncorrected UGR		-0.9					2.2				
According 1000lm											





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Luminance Limiting Curve(no lunuous side)

Luminance Table

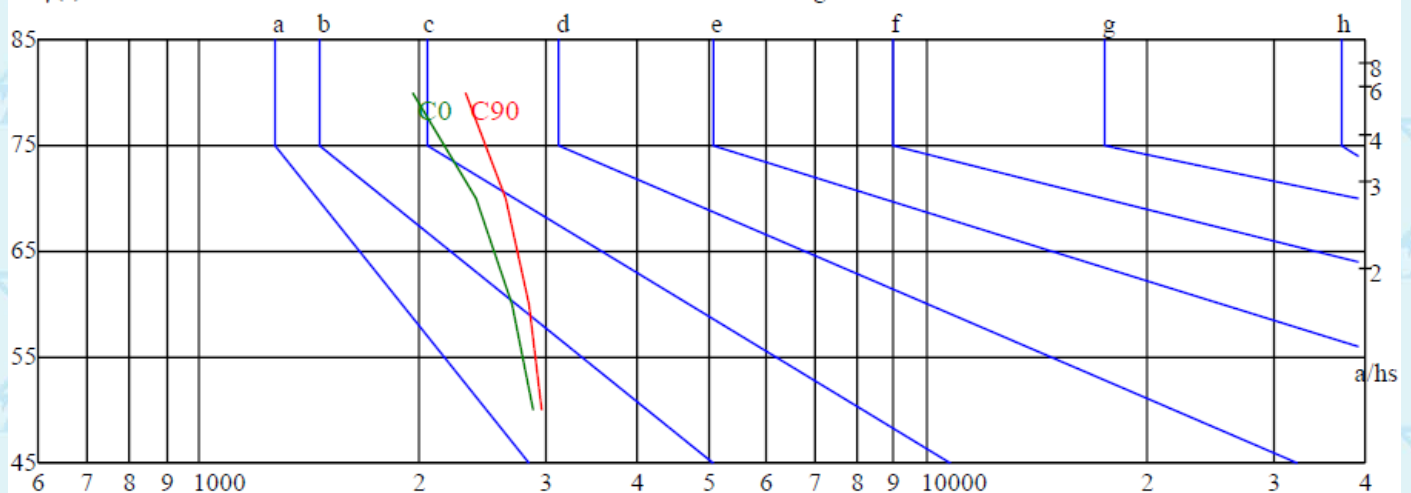
γ	45	50	55	60	65	70	75	80	85
C0	0	2875	0	2682	0	2395	0	1966	0
C45	0	0	0	0	0	0	0	0	0
C90	0	2963	0	2841	0	2633	0	2320	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

$\gamma(^{\circ})$

Luminance Limiting Curve



Test Result

Item	Requirement	Measured	Level	Result
UGR Glare(6000K)	≤ 28	See page 7	3	P
Luminance Limiting Curve	a-f	See page 8	d	P





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Appendix 1 -Photo documentation

Photo 1

View :
NL-A914EU1-W60R

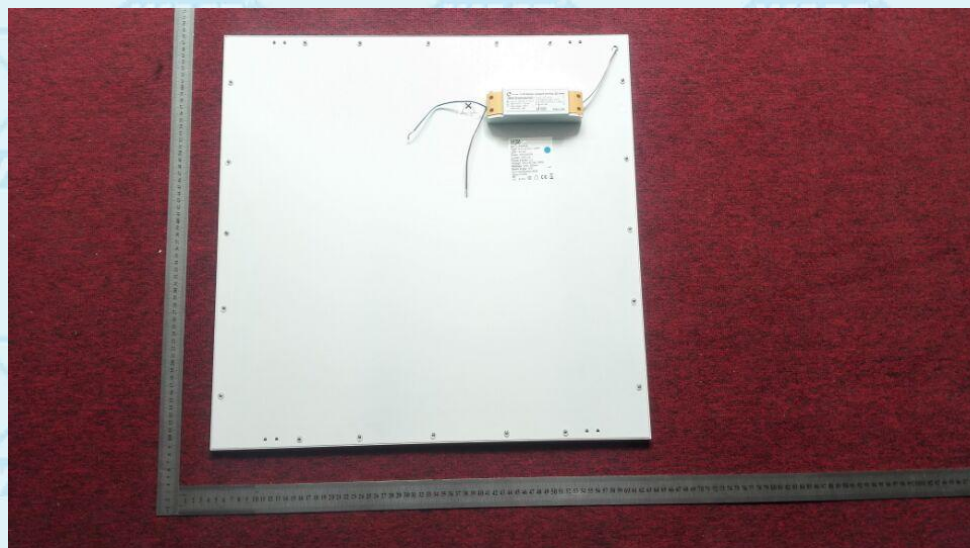
- ☒ front
- ☐ rear
- ☐ right side
- ☐ left side
- ☐ top
- ☐ bottom
- ☐ internal



Photo 2

View :
NL-A914EU1-W60R

- ☐ front
- ☒ rear
- ☐ right side
- ☐ left side
- ☐ top
- ☐ bottom
- ☐ internal





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Attachment 2 – Equipment list

Code	Name	Model/Type	Calibrated date	Next Calibration Date	Manufacture	Used Or not
WSCTES-002	Goniophotometer (with mirror)	GMS3000	2015.03.15	2016.03.14	SENSING	√
WSCTES-006	SPECIAL POWER SYSTEM	MN-610	2015.03.15	2016.03.14	YANGHONG	√

