Name: EMTEK(Dongguan) Co., Ltd.

Address: No. 281, Guantai Road, Nancheng District, Dongguan, Guangdong, China

Registration No. CNAS L3150

Accreditation Criteria: ISO/IEC 17025, requirements of EPA ENERGY STAR® Program and relevant requirements of CHINA NATIONAL ACCREDITATION SERVICE FOR CONFORMITY ASSESSMENT CNAS

SCHEDULE OF ACCREDITATION CERTIFICATE

Date of Issue: 2016-10-24

Date of Expiry: 2018-07-03

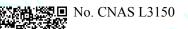
SCHEDULE 6 ACCREDITED ENERGY STAR TESTING SCOPE

NG	.№ Test Object		Item/Parameter	- Standard or Method	Note
JN≌	Test Object	№ 1 2 3	Item/ Parameter	Standard of Method	Note
		1	Energy efficiency requirements	ENERGY STAR® Program Requirements Product Specification for Audio/Video Eligibility Criteri a Verssion 3.0	
1	Audio/Video	2	Auto Power Down Requirements	ENERGY STAR Test Method for Audio/Video:1.All ProductTest Method for ENERGY STAR Test Method forAudio/Video, Rev. July-20122.supply by EPSTest Method for Calculating the Energy Efficiency of Single-VoltageExternal Ac-Dc and Ac-Ac Power Supplies, Aug. 11, 2004	5 S
	C Y	3	Sleep Mode Requirements	ENERGY STAR Test Method for Audio/Video:1. All ProductTest Method for ENERGY STAR Test Method for Audio/Video, Rev.July-2012July-20122.supply by EPS Test Method forCalculating the Energy Efficiency of Single-Voltage External Ac-Dcand Ac-Ac Power Supplies, Aug. 11, 2004.	大学の大学

No. CNAS L3150

第1页共43页

	Test Object		Item/Parameter	Standard an Mathad	Nat
№	Test Object	Nº	Item/ Parameter	- Standard or Method	Note
	СНІ	4 NA NA	Optical Disc Player On Mode Requirements	ENERGY STAR Test Method for Audio/Video:1.All Product Test Method for ENERGY STAR Test Method for Audio/Video, Rev. July-20122.supply by EPSTest Method for Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies, Aug. 11, 2004.	9
	5	5	SCHEDULE OF	ENERGY STAR Test Method for Audio/Video:1.All ProductTest Method for ENERGY STAR Test Method forAudio/Video, Rev. July-20122.supply by EPSTest Method for Calculating the Energy Efficiency of Single-VoltageExternal Ac-Dc and Ac-Ac Power Supplies, Aug. 11, 2004.	×.
	C A	6	Amplifier Efficiency Requirements	ENERGY STAR Test Method for Audio/Video:1.All ProductTest Method for ENERGY STAR Test Method forAudio/Video, Rev. July-20122.supply by EPSTest Method for Calculating the Energy Efficiency of Single-VoltageExternal Ac-Dc and Ac-Ac Power Supplies, Aug. 11, 2004.	5
	5	1	Energy efficiency requirements	ENERGY STAR Test Method for Televisions,For Version 7.01.IEC 62087:2011 Methods of Measurement for the Power Consumptionof Audio, Video and Related Equipment2.Final Rule TestProcedures for Television Sets (Appendix H to Subpart B of 10 CFR §430).	
2	Televisions	2	On Mode Requirements	ENERGY STAR Test Method for Televisions, For Version 7.0 1. IEC 62087:2011 Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment 2.Final Rule Test Procedures for Television Sets (Appendix H to Subpart B of 10 CFR § 430).	ALL ALL
	G	3	Standby-Passive Mode Requirements	ENERGY STAR Test Method for Televisions,For Version 7.01. IEC 62087:2011 Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment2.FinalRule Test Procedures for Television Sets (Appendix H to Subpart B of 10 CFR § 430).6	制章



第2页共43页



NC.	Tost Object		Item/Parameter	Standard or Method	Note
N⁰	Test Object	N₂	Item/ Parameter	Standard or Method	INOLO
	СНІ	4 NA NA	Standby-Active, Low Mode Requirements	ENERGY STAR Test Method for Televisions,For Version 7.01. IEC 62087:2011 Methods of Measurement for the PowerConsumption of Audio, Video and Related Equipment2.FinalRule Test Procedures for Television Sets (Appendix H to Subpart B of10 CFR § 430).	S
	5	5	SCHEDULE OF	ENERGY STAR Test Method for Televisions, For Version 7.0 1. IEC 62087:2011 Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment 2.Final Rule Test Procedures for Television Sets (Appendix H to Subpart B of 10 CFR § 430).	
	G	6	Download Acquisition Mode Requirements	ENERGY STAR Test Method for Televisions,For Version 7.01. IEC 62087:2011 Methods of Measurement for the PowerConsumption of Audio, Video and Related Equipment2.FinalRule Test Procedures for Television Sets (Appendix H to Subpart B of10 CFR § 430).	C
	5	7	Hospitality Television Requirements	ENERGY STAR Test Method for Televisions,For Version 7.01.IEC 62087:2011 Methods of Measurement for the Power Consumptionof Audio, Video and Related Equipment2.Final Rule TestProcedures for Television Sets (Appendix H to Subpart B of 10 CFR §430).	
3	Set-top Boxes & Cable Boxes	1	Energy efficiency requirements	ENERGY STAR® Program RequirementsProduct Specification for Set- top BoxesEligibility CriteriaVersion 4.1 Test Method CEA-2043, Set-top Box (STB) Power Measurement, Rev, June- 2013, subject to the clarifications in Sections 4.2 - 4.9.	
3		2	Auto Power Down	ENERGY STAR® Program RequirementsProduct Specification for Set- top BoxesEligibility CriteriaVersion 4.1 Test Method CEA-2043, Set-top Box (STB) Power Measurement, Rev, June- 2013, subject to the clarifications in Sections 4.2 - 4.9.	加



第3页共43页



			Item/Parameter		
N⁰	Test Object	Nº	Item/ Parameter	Standard or Method	Note
	СН	3	Typical Energy Consumption (TEC) Requirements	ENERGY STAR® Program RequirementsProduct Specification for Set- top BoxesEligibility CriteriaVersion 4.1 Test Method CEA-2043, Set-top Box (STB) Power Measurement, Rev, June- 2013, subject to the clarifications in Sections 4.2 = 4.9.	5
		4	SCHEDULE OF	ENERGY STAR® Program RequirementsProduct Specification for Set- top BoxesEligibility CriteriaVersion 4.1 Test Method CEA-2043, Set-top Box (STB) Power Measurement, Rev, June- 2013, subject to the clarifications in Sections 4.2 – 4.9.	
4	Talanhany	1	Energy efficiency requirements	ENERGY STAR® Program Requirements for TelephonyEligibility Criteria Version 3.0 ENERGY STAR Test Method for Telephony, Final Test Method Rev. Nov-2013	
4	Telephony	2	Standby Mode Requirements	ENERGY STAR® Program Requirements for TelephonyEligibility Criteria Version 3.0 ENERGY STAR Test Method for Telephony, Final Test Method Rev. Nov-2013	5
5	computer	1	Energy efficiency requirements	ENERGY STAR Computer Test Method, ENERGY STAR Program Requirements Product Specification for Computers, Final Test Method Version 6.1 1.EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies. (for products that have internal,muti-output,or single output with in tegral cooling power supplies;available at:www.efficientpowersupplies.org) 2. IEC 62301:2011 Household Electrical Appliances - Measurement of Standby Power;(Internal power supplies)	Except for the energy efficiency of the workstatio n

No. CNAS L3150

第4页共43页

				Item/Parameter		
	N⁰	Test Object	N₂	Item/ Parameter	- Standard or Method	Note
C	CHIN	NA2NA	TEnergy efficiency DITATI requirements test	ENERGY STAR Computer Test Method, ENERGY STAR Program Requirements Product Specification for Computers, Final Test Method Version 6.1 1.EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies. (for products that have internal,muti-output,or single output with in tegral cooling power supplies;available at:www.efficientpowersupplies.org) 2. IEC 62301:2011 Household Electrical Appliances - Measurement of Standby Power;(Internal power supplies)	Except for the energy efficiency of the workstatio n	
C			3	Power management requirements	ENERGY STAR Computer Test Method, ENERGY STAR Program Requirements Product Specification for Computers, Final Test Method Version 6.1 1.EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies. (for products that have internal,muti-output,or single output with in tegral cooling power supplies;available at:www.efficientpowersupplies.org) 2. IEC 62301:2011 Household Electrical Appliances - Measurement of Standby Power;(Internal power supplies)	Except for the energy efficiency of the workstatio n
			4	User Information Requirements	ENERGY STAR Computer Test Method, ENERGY STAR Program Requirements Product Specification for Computers, Final Test Method Version 6.1 1.EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies. (for products that have internal,muti-output,or single output with in tegral cooling power supplies;available at:www.efficientpowersupplies.org)2.IEC 62301:2011 Household Electrical Appliances - Measurement of Standby Power;(Internal power supplies)1	Except for the energy efficiency of the workstatio n



第5页共43页

	NG-	Test Object		Item/Parameter	Standard or Method	Note
	N⁰	Test Object	N₂	Item/ Parameter	Standard or Method	Note
60		сні	NAJNA	Requirements for Desktop, Integrated TAT Desktop, and Notebook Computers	ENERGY STAR Computer Test Method, ENERGY STAR Program Requirements Product Specification for Computers, Final Test Method Version 6.1 1.EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies. (for products that have internal, muti-output, or single output with in tegral cooling power supplies; available at:www.efficientpowersupplies.org) 2. IEC 62301:2011 Household Electrical Appliances - Measurement of Standby Power; (Internal power supplies)	Except for the energy efficiency of the workstatio n
C		CNAS	6	Requirements for Workstations	ENERGY STAR Computer Test Method, ENERGY STAR ProgramRequirements Product Specification for Computers, Final TestMethod Version 6.11.EPRI Generalized Test Protocol forCalculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc PowerSupplies. (for products that have internal,muti-output,or single outputwith in tegral cooling power supplies;availableat:www.efficientpowersupplies.org)2.IEC 62301:2011 Household Electrical Appliances - Measurement ofStandby Power;(Internal power supplies)	Except for the energy efficiency of the workstatio n
		CNAS	7	Requirements for Small- scale Servers	ENERGY STAR Computer Test Method, ENERGY STAR ProgramRequirements Product Specification for Computers,Final TestMethod Version 6.11.EPRI Generalized Test Protocol forCalculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc PowerSupplies.(for products that have internal,muti-output,or single outputwith in tegral cooling power supplies;availableat:www.efficientpowersupplies.org)2.IEC 62301:2011 Household Electrical Appliances - Measurement ofStandby Power;(Internal power supplies)	Except for the energy efficiency of the workstatio n



第6页共43页

	20	Test Object		Item/Parameter	Standard M-th - J	Nete
	N⁰	Test Object	N₂	Item/ Parameter	- Standard or Method	Note
Co Co)	сн	NA 8NA	Requirements for Thin A TI Clients SCHEDULE OF	ENERGY STAR Computer Test Method, ENERGY STAR Program Requirements Product Specification for Computers, Final Test Method Version 6.1 1.EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies. (for products that have internal,muti-output,or single output with in tegral cooling power supplies;available at:www.efficientpowersupplies.org) 2. IEC 62301:2011 Household Electrical Appliances - Measurement of Standby Power;(Internal power supplies)	Except for the energy efficiency of the workstatio n
			1	Energy efficiency requirements	ENERGY STAR® Program Requirements Product Specification forDisplays Test MethodFor Version 7.0 $1.d < 30.0$ ENERGY STAR Test Method for Displays Rev. Aug 2010. VESA FlatPanel Display Measurements (FPDM) Standard, Version 2.02. $30.0 \leq d \leq 60.0$ ENERGY STAR Test Method for Displays Rev.Aug 2010. IEC 62087:2011 Methods of Measurement for the PowerConsumption of Audio, Video and Related Equipment3. AllScreen Sizes IEC 62301:2011, Household Electrical Appliances –Measurement of Standby PowerTest Method for DeterminingDisplays Energy Use Version 6.0 Rev. Jan-2013	
	6	Displays	2	On Mode Requirements	ENERGY STAR® Program Requirements Product Specification forDisplays Test MethodFor Version 7.01.d < 30.0	家が見た



第7页共43页



	NC-	Test Object		Item/Parameter	Standard or Method	Note
JN.	N⁰	Test Object	Nº	Item/ Parameter	Standard or Method	INOLE
		CHIN	NA NA	Sleep Mode	ENERGY STAR® Program Requirements Product Specification for Displays Test MethodDisplays Test MethodFor Version 7.0 $1.d < 30.0$ ENERGY STAR Test Method for Displays Rev. Aug 2010. VESA Flat Panel Display Measurements (FPDM) Standard, Version 2.02. $30.0 \leq d \leq 60.0$ ENERGY STAR Test Method for Displays Rev. Aug 2010. IEC 62087:2011 Methods of Measurement for the Power	5
				RequirementsDULE OF	Consumption of Audio, Video and Related Equipment 3. All Screen Sizes IEC 62301:2011, Household Electrical Appliances – Measurement of Standby Power Test Method for Determining Displays Energy Use Version 6.0 Rev. Jan-2013	
		CAR	4	Off Mode Requirements	ENERGY STAR® Program Requirements Product Specification for Displays Test MethodDisplays Test MethodFor Version 7.0 $1.d < 30.0$ ENERGY STAR Test Method for Displays Rev. Aug 2010. VESA Flat Panel Display Measurements (FPDM) Standard, Version 2.02. $30.0 \le d \le 60.0$ ENERGY STAR Test Method for Displays Rev. Aug 2010. IEC 62087:2011 Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment3. AllScreen Sizes IEC 62301:2011, Household Electrical Appliances - Measurement of Standby PowerTest Method for Determining Displays Energy Use Version 6.0 Rev. Jan-2013	S.
7	7	Battery Chargers	1	Energy efficiency	ENERGY STAR Program Requirements Product Specification for Battery Charging Systems Version 1.1 – IEC61960 ed 1.0: Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications December 2003	R. A.

No. CNAS L3150

第8页共43页

📲 No. CNAS L3150

NG	Test Object		Item/Parameter	Standard or Method	Note
N⁰	Test Object	N₂	Item/ Parameter	Standard or Micthod	Note
	СНІ	2 NA NA	Measuring Nonactive Energy -Charging Mode	ENERGY STAR Program Requirements Product Specification for Battery Charging Systems Version 1.1 – IEC61960 ed 1.0: Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications December 2003	S
		3	SCHEDULE OF Measuring Nonactive Energy -Maintenance Mode	ENERGY STAR Program Requirements Product Specification for Battery Charging Systems Version 1.1 – IEC61960 ed 1.0: Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications. December 2003 IEC 62591-1 ed 2.1 January 2006,IEC 62591-2 ed 2.0 April 2003:	
		4	Measuring Nonactive Energy -Standby Mode	ENERGY STAR Program Requirements Product Specification for Battery Charging Systems Version 1.1 – IEC61960 ed 1.0: Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications December 2003:	S
		5	Battery Ernergy Measurement	ENERGY STAR Program Requirements Product Specification for Battery Charging Systems Version 1.1 – IEC61960 ed 1.0: Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications December 2003	Just test secondary Li-ion cell and battery pack
8	Uninterruptible power supplies (UPSs)	1	Energy efficiency requirements	ENERGY STAR Program Requirements Product Specification for Uninterruptible Power Supplies Version 1.0 Rev. Jul-2012	Only for input power less than 2kV products

第9页共43页

📲 No. CNAS L3150

				Item/Parameter		
	N⁰	Test Object	N₂	Item/ Parameter	- Standard or Method	Note
		СНІ	2 NA NA	Energy Efficiency Requirements for Ac- output UPSs	ENERGY STAR Program Requirements Product Specification for Uninterruptible Power Supplies Version 1.0 Rev. Jul-2012	Only for input power less than 2kV products
		S	3	SCHEDULE OF DC-output UPSs/Rectifiers		Only for input power less than 2kV products
		Chac	4	AC-output UPSs	ENERGY STAR Program Requirements Product Specification for Uninterruptible Power Supplies Version 1.0 Rev. Jul-2012	Only for input power less than 2kV products
		6	5	Power Factor Requirements	ENERGY STAR Program Requirements Product Specification for Uninterruptible Power Supplies Version 1.0 Rev. Jul-2012	Only for input power less than 2kV products
		CNAS	6	Standard Information Reporting Requirements	ENERGY STAR Program Requirements Product Specification for Uninterruptible Power Supplies Version 1.0 Rev. Jul-2012	Only for input power less than 2kV products
3			7	Communication and Measurement Requirements	ENERGY STAR Program Requirements Product Specification for Uninterruptible Power Supplies Version 1.0 Rev. Jul-2012	Only for input power less than 2kV products

第10页共43页

	20	Terrolitari		Item/Parameter		Nutu
	N₂	Test Object	N₂	Item/ Parameter	Standard or Method	Note
-		СНІ	8 NA NA	Diesel Coupled Rotary UPS Emissions Requirements	ENERGY STAR Program Requirements Product Specification for Uninterruptible Power Supplies Version 1.0 Rev. Jul-2012 ON SERVICE FOR CONFORMITY ASSESSMENT	Only for input power less than 2kV products
~				SCHEDULE OF	Energy Conservation Program for Consumer Products 10 CFR 430	
		C	1	Efficacy	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
				Energy Conservation Program for Consumer Products 10 CFR 430		
		C	2	Light Output	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
			3	Elevated Temperature Light Output Ratio	Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	
	9		4	Center Beam Intensity	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
2		5	5	Luminous Intensity Distribution	ENERGY STAR® Lamp Center Beam Intensity Benchmark Tool for the referenced incandescent lamp	
	C		6	6 Correlated Color Electrical and Photometric Measurements Fluorescent Lamps IES LM-66-14	Electrical and Photometric Measurements of Single-Ended Compact	R. L. as
			0		Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
			7	Color Rendering	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	AIX HITT
					Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	5 出早

No. CNAS L3150

第 11 页 共 43 页



	TANK		Item/Parameter	
N⁰	Test Object	Nº	Item/ Parameter	- Standard or Method Note
				Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08
		8	Color Maintenance	Products IES LM-79-08 Measuring Lumen Maintenance of LED Light Sources IESLM-80-08 Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IESLM-84-14 Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08 Measuring Lumen Maintenance of LED Light Sources IESLM-80-08 Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IESLM-84-14 Life Testing of Compact Fluorescent Lamps IES LM-65-14 Measuring Lumen Maintenance of LED Light Sources IESLM-80-08 Life Testing of Compact Fluorescent Lamps IES LM-65-14 Measuring Lumen Maintenance of LED Light Sources IESLM-80-08 Life Testing of Compact Fluorescent Lamps IES LM-65-14 Measuring Lumen Maintenance of LED Light Sources IESLM-80-08 Life Testing of Compact Fluorescent Lamps IES LM-65-14 Measuring Lumen Maintenance of LED Light Sources IESLM-80-08 Standard for Safety of Self-Ballasted Lamps and Lamp Adapters
	CH	INA NA		
			Sofiebbee of	
		9	Color Angular Uniformity	Measuring Lumen Maintenance of LED Light Sources IESLM-80-08
				Life Testing of Compact Fluorescent Lamps IES LM-65-14
		10	Lumen Maintenance	
				Measuring Lumen Maintenance of LED Light Sources IESLM-80-08
	C			Life Testing of Compact Fluorescent Lamps IES LM-65-14
		11	Rated Life	
				Measuring Lumen Maintenance of LED Light Sources IESLM-80-08
		12	Rapid Cycle Stress Test	Conservation Program for Consumer Products
		13	Electrical Safety	ANSI/UL 1993-2012
		15	Electrical Safety	Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009



第 12 页 共 43 页



	20			Item/Parameter		
	N⁰	Test Object	Nº	Item/ Parameter	- Standard or Method	Note
			14	Power Factor	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment ANSI C82.77-10-2014	
		СНІ	15 NA NA	Frequency	IEEE Recommending Practices for Modulating Current in High Brightness LEDs for Mitigating Health Risks to Viewers	S
6			16	Start Time	ENERGY STAR® Program Requirements for Lamps and Luminaires TIFICATE Start Time Test Method	
			17	Run Up Time	ENERGY STAR® Program Requirements For Lamps and Luminaires Run-Up Time Test Method	
			18	Transient Protection	IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits IEEE ANSI C62.41.2- 2002	5
			19	Standby Power Consumption	Household electrical appliances - Measurement of standby power IEC 62301 Edition 2.0 2011	
			20	Dimming Performance- Maximum Light Output	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Output on a Dimmer	
			21	Dimming Performance- Minimum Light Output	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Output on a Dimmer	家山市
			22	Dimming Performance- Flicker	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Source Flicker	新加州
6			23	Dimming Performance- Audible Noise	ENERGY STAR® Program Requirements For Lamps and Luminaires Test Method - Noise	朝章



第 13 页 共 43 页

	T		Item/Parameter		
№	Test Object	Nº	Item/ Parameter	Standard or Method	Note
		24	Lamp Toxics Reduction	Sample Preparation for Measurement of Mercury Level in Fluorescent Lamps IEC 62554	
	СН	N 4251 A	Lamp Shape Dimensions	Electric Lamps - A, G, PS and Similar Shapes with E26 Medium Screw Bases ANSI C78.20:2003	C
			SCHEDULE OF	Electric Lamps – PAR and R Shapes ANSI C78.21-2011	
		1	Efficacy	Conservation Program for Consumer Products	
		2	Light Output	Conservation Program for Consumer Products	
	C	3	Elevated Temperature Light Output Ratio	Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	
		4	Center Beam Intensity	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
		5	Luminous Intensity Distribution	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
10	Lamps(Compact Fluorescent Lamps	6	Correlated Color Temperature (CCT)	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
	- Directional)	7	Color Rendering	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
				Life Testing of Compact Fluorescent Lamps IES LM-65-14	Rilas
		8	Lumen Maintenance	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
				Life Testing of Compact Fluorescent Lamps IES LM-65-14	N
		9	Rated Life	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	专用草
		10	Rapid Cycle Stress Test	Energy Conservation Program for Consumer Products	

No. CNAS L3150

第 14 页 共 43 页

	Test Object		Item/Parameter	Steer Jacob an Mathed	N
N₂	Test Object	N₂	Item/ Parameter	Standard or Method	Note
		11	Electrical Safety	Standard for Safety of Self-Ballasted Lamps and Lamp Adapters ANSI/UL 1993-2012	
	СН		Power Factor	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment ANSI C82.77-10-2014	S
		13	Frequency		
		14	Start Time	ENERGY STAR® Program Requirements for Lamps and Luminaires Start Time Test Method	
		15	Run Up Time	ENERGY STAR® Program Requirements For Lamps and Luminaires Run-Up Time Test Method	G
		16	Transient Protection	IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits IEEE ANSI C62.41.2- 2002	
		17	Dimming Performance- Maximum Light Output	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Output on a Dimmer	•
		18	Dimming Performance- Minimum Light Output	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Output on a Dimmer	東山山
		19	Dimming Performance- Flicker	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Source Flicker	AND
		20	Dimming Performance- Audible Noise	ENERGY STAR® Program Requirements For Lamps and Luminaires Test Method - Noise	胡龍



第 15 页 共 43 页

	Test Object		Item/Parameter	Standard or Method	Note
N⁰	Test Object	N₂	Item/ Parameter	Standard of Michou	Note
		21	Lamp Toxics Reduction	Sample Preparation for Measurement of Mercury Level in Fluorescent Lamps IEC 62554	
	сні	NA221A	Lamp Shape Dimensions	Electric Lamps - A, G, PS and Similar Shapes with E26 Medium Screw Bases ANSI C78.20:2003 Electric Lamps - A, G, PS and Similar Shapes with E26 Medium Screw Bases ANSI C78.21-2011	S
		1	Efficacy	Energy Conservation Program for Consumer Products	
		2	Light Output	Energy Conservation Program for Consumer Products	
		3	Luminous Intensity Distribution	Energy Conservation Program for Consumer Products	
		4	Correlated Color Temperature (CCT)	ENERGY STAR® Lamp Center Beam Intensity Benchmark Tool for the referenced incandescent lamp	5
	Lamps(Compact	5	Color Rendering	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
11	Fluorescent Lamps - Omnidirectional and Decorative)	6	Lumen Maintenance	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
	and Decorative)	-		Life Testing of Compact Fluorescent Lamps IES LM-65-14	
		7	Rated Life	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	R il an
				Life Testing of Compact Fluorescent Lamps IES LM-65-14	
		8	Rapid Cycle Stress Test	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	日田音
		9	Electrical Safety	Energy Conservation Program for Consumer Products	7 川早



第16页共43页



	Test Object		Item/Parameter	Standard or Method	NT. (
N⁰	Test Object	Nº	Item/ Parameter	Standard or Method	Note
		10	Power Factor	Standard for Safety of Self-Ballasted Lamps and Lamp Adapters ANSI/UL 1993-2012	
	СН	11 INA NA	Frequency	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment ANSI C82.77-10-2014	S
	011	12	Start Time	ACCREDITATION CERTIFICATE	
	5	13	Run Up Time	ENERGY STAR® Program Requirements for Lamps and Luminaires Start Time Test Method	
	C	14	Transient Protection	ENERGY STAR® Program Requirements For Lamps and Luminaires Run-Up Time Test Method	C
		15	Dimming Performance- Maximum Light Output	IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits IEEE ANSI C62.41.2- 2002	
	5	16	Dimming Performance- Minimum Light Output	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Output on a Dimmer	
		17	Dimming Performance- Flicker	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Output on a Dimmer	家门办
		18	Dimming Performance- Audible Noise	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Source Flicker	
		19	Lamp Toxics Reduction	ENERGY STAR® Program Requirements For Lamps and Luminaires Test Method - Noise	诸用章



第 17 页 共 43 页

	N	Tost Object		Item/Parameter	Standard or Method	Note
	N⁰	Test Object	N⁰	Item/ Parameter		INOLE
		СНИ			Sample Preparation for Measurement of Mercury Level in Fluorescent Lamps IEC 62554	
			20 NA NA	Lamp Shape Dimensions	Electric Lamps - A, G, PS and Similar Shapes with E26 Medium Screw Bases ANSI C78.20:2003	5
					Electric Lamps – PAR and R Shapes ANSI C78.21-2011	
			1	Efficacy	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
			2	Light Output	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
			3	Elevated Temperature Light Output Ratio	Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	
			4	Center Beam Intensity	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	5
		Lamps(Solid State	5	Correlated Color Temperature (CCT)	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
5	12	Lighting Lamps – Directional)	6	Color Rendering	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
				S	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	1
			7	Color Maintenance	Measuring Lumen Maintenance of LED Light Sources IESLM-80-08	R L' and
					Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IESLM-84-14	
			8	Color Angular Uniformity	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	HA HHH
			9	Lumen Maintenance	Life Testing of Compact Fluorescent Lamps IES LM-65-14	マ川早

第 18 页 共 43 页



	Trad Oblight		Item/Parameter	- Standard or Method	Nut
N⁰	Test Object	N₂	Item/ Parameter		Note
				Measuring Lumen Maintenance of LED Light Sources IESLM-80-08	
			Contraction of the second	Life Testing of Compact Fluorescent Lamps IES LM-65-14	
	СНІ	NA NA 10	Rated Life	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
			Somebole of	Measuring Lumen Maintenance of LED Light Sources IESLM-80-08	
		11	Electrical Safety	Standard for Safety of Self-Ballasted Lamps and Lamp Adapters ANSI/UL 1993-2012	
		12	Power Factor	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment ANSI C82.77-10-2014	
		13	Frequency	IEEE Recommending Practices for Modulating Current in High Brightness LEDs for Mitigating Health Risks to Viewers	C
		14	Start Time	ENERGY STAR® Program Requirements for Lamps and Luminaires Start Time Test Method	
		15	Transient Protection	ENERGY STAR® Program Requirements For Lamps and Luminaires Run-Up Time Test Method	
		16	Standby Power Consumption	IEEE ANSI C62.41.2-2002 IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits IEEE ANSI C62.41.2- 2002	A A A A A A A A A A A A A A A A A A A
		17	Dimming Performance- Maximum Light Output	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Output on a Dimmer	脯

No. CNAS L3150

第 19 页 共 43 页

				Item/Parameter	
	N⁰	Test Object	Nº	Item/ Parameter	Standard or Method Note
		C Pro	18	Dimming Performance- Minimum Light Output	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Output on a Dimmer
		сні	NA ₁ 9IA	Dimming Performance-	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Source Flicker
		6	20	Dimming Performance- Audible Noise	ENERGY STAR® Program Requirements For Lamps and Luminaires Test Method - Noise
			21	Lamp Toxics Reduction	Sample Preparation for Measurement of Mercury Level in Fluorescent Lamps IEC 62554
			22	Lamp Shape Dimensions	Electric Lamps - A, G, PS and Similar Shapes with E26 Medium Screw Bases ANSI C78.20:2003
					Electric Lamps - PAR and R Shapes ANSI C78.21-2011
			1	Efficacy	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08
		G	2	Light Output	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08
		Lamps(Solid State	3	Luminous Intensity Distribution	ENERGY STAR® Lamp Center Beam Intensity Benchmark Tool for the referenced incandescent lamp
	13	Lighting Lamps – Omnidirectional and	4	Correlated Color Temperature (CCT)	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08
		Decorative)	5	Color Rendering	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08
C			6	Color Maintenance	Electrical and Photometric Measurements of Solid-State Lighting The Products IES LM-79-08
					Measuring Lumen Maintenance of LED Light Sources IESLM-80-08

No. CNAS L3150

第 20 页 共 43 页

	Test Object		Item/Parameter	- Standard or Method	Note
N⁰		N₂	Item/ Parameter		
				Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IESLM-84-14	
			C Malala	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	S
	CHI	NA NA 7	Color Angular REDITATI Uniformity	Measuring Lumen Maintenance of LED Light Sources IESLM-80-08	
			Somebole of A	Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IESLM-84-14	
			C	Life Testing of Compact Fluorescent Lamps IES LM-65-14	
		8	Lumen Maintenance	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
				Measuring Lumen Maintenance of LED Light Sources IES LM-80-08	C
				Life Testing of Compact Fluorescent Lamps IES LM-65-14	
		9	Rated Life	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
	C			Measuring Lumen Maintenance of LED Light Sources IES LM-80-08	
		10	Electrical Safety	Standard for Safety of Self-Ballasted Lamps and Lamp Adapters ANSI/UL 1993-2012	
		11	Power Factor	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment ANSI C82.77-10-2014	
		12	Frequency	IEEE Recommending Practices for Modulating Current in High Brightness LEDs for Mitigating Health Risks to Viewers	AK A
		13	Start Time	ENERGY STAR® Program Requirements for Lamps and Luminaires Start Time Test Method	拥章



第 21 页 共 43 页

N₂	Test Object	Item/Parameter		Standard or Method	Note
JN≌	Test Object	N₂	Item/ Parameter	Stanuaru or Methou	Noic
	C.S.Y.	14	Transient Protection	IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits IEEE ANSI C62.41.2- 2002	C
	СНІ	NA ₁₅ IA	Standby Power EDITAT Consumption	IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits IEEE ANSI C62.41.2- 2002	
		16	Dimming Performance- Maximum Light Output	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Output on a Dimmer	
	LP-	17	Dimming Performance- Minimum Light Output	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Output on a Dimmer	
	C	18	Dimming Performance- Flicker	ENERGY STAR® Program Requirements Product Specification for Lamps: Light Source Flicker	S
		19	Dimming Performance- Audible Noise	ENERGY STAR® Program Requirements For Lamps and Luminaires Test Method - Noise	
	5	20	Lamp Toxics Reduction	Sample Preparation for Measurement of Mercury Level in Fluorescent Lamps IEC 62554	
		21	Lamp Shape Dimensions	Electric Lamps – A, G, PS and Similar Shapes with E26 Medium Screw Bases ANSI C78.20:2003	
14	Luminaires (Light	1	Luminous Efficacy and	Electric Lamps – PAR and R Shapes ANSI C78.21-2011 Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-9-09	ALC ALC ALC
14	Fixtures)		Output	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	拥章

No. CNAS L3150

第 22 页 共 43 页



		Test Object		Item/Parameter	- Standard or Method	
	N⁰		N₂	Item/ Parameter		Note
		СНІ	NA NA		Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12 Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-9-09	6
C				SCHEDULE OF	Approved Method for Photometric Testing of Indoor Fluorescent Luminaries IES LM-41-14	
		6	2	Temperature (CCT): All Indoor Luminaires	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
					Photometric Testing of Outdoor Fluorescent Luminaires (2015 update anticipated) IES LM-10-1996	
					Electric and Photometric Measurements of Fluorescent Lamps IES LM- 9-09	
			3	Correlated Color Temperature (CCT): All	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	5
			5	Indoor Luminaires	Colorimetry CIE 15.2004	
9					Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
				S	Electric and Photometric Measurements of Fluorescent Lamps IES LM- 9-09	
					Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	il
			4	Color Rendering Index: All Indoor Luminaires	Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	教师教
\sim					Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	職
		C			Method of Measuring and Specifying Colour Rendering Properties of Light Sources (E) CIE 13.3-1995	



第 23 页 共 43 页



			Item/Parameter		
N⁰	Test Object	№	Item/ Parameter	Standard or Method No	ote
			Color Angular	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
		5	Uniformity: All Indoor Luminaires CREDITATI	Method for Spectroradiometric Measurement Methods for Light Sources IES LM-58-13	7
	CHI	NA NA		Colorimetry CIE 15.2004	
				Life Testing of Fluorescent Lamps IES LM-40-10	
,	5		<u> </u>	Electric and Photometric Measurements of Fluorescent Lamps IES LM- 09-09	
				Life Testing of Compact Fluorescent Lamps IES LM-65-14	
				Measuring Lumen Maintenance of LED Light Sources IES LM-80-08	
		6	Lumen Maintenance	Projecting Long Term Lumen Maintenance of LED Sources IES TM- 21-11	2
				Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IES LM-84-14	
2	G		~	Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaries IES TM-28-14	
				Colorimetry CIE 15.2004	
	C, T	7	Light Course Life	Life Testing of Fluorescent Lamps IES LM-40-10	
			Light Source Life	Life Testing of Compact Fluorescent Lamps IES LM-65-14	3
		8	Color Maintenance:	Measuring Lumen Maintenance of LED Light Sources IES LM-80-08	7
		0	Indoor Luminaires	Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IES LM-84-14	



第 24 页 共 43 页



	Tagt Object		Item/Parameter		Nut
№	Test Object	N₂	Item/ Parameter	Standard or Method	Note
	C?r	9	Source Start Time	ENERGY STAR® Program Requirements for Lamps and Luminaires Start Time Test Method	5
	CHI	<u>NA NA</u> 10	Source Run-Up Time OF	ENERGY STAR® Program Requirements For Lamps and Luminaires Run-Up Time Test Method	
		11	Power Factor	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment C82.77-10:2014	
	C	12	Transient Protection	IEEE Guide on the Surge Environment in Low-Voltage (1000 V and Less) AC Power Circuits ANSI/IEEE C62.41.1-2002 IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits ANSI/IEEE C62.41.2- 2002	5
		13	Standby Power Consumption	Household electrical appliances - Measurement of standby power IEC 62301-2011	
	C	14	Standby Power Consumption	IEEE Recommending Practices for Modulating Current in High Brightness LEDs for Mitigating Health Risks to Viewers	
		1.5	Light Source	Lampholders for Electric Lamps ANSI/IEC C81.62-2009	
		15	Replaceability	Recommendations for Solid State Lighting Sub-Assembly Interfaces for Luminaires NEMA LSD 45-2009	K il an
		16	Ballast/Driver Replaceability		安全
		17	Maximum Measured Ballast or Driver Case	Standard for Safety of Portable Electric Luminaires ANSI/UL 153:2002 (Sections 124-128A) Standard for Safety of Track Lighting Systems ANSI/UL 1574:2004	印合
			Temperature	(Section 54)	

No. CNAS L3150

第 25 页 共 43 页



		T. (OL)		Item/Parameter		
	N⁰	Test Object	Nº	Item/ Parameter	Standard or Method	Note
					Standard for Safety of Luminaires ANSI/UL 1598:2008 (Sections 19.7, 19.10-16)	
				C) ^{what} alala	Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits ANSI/UL 1598C-2014	
C		CHI	NA NA 18	Recessed Downlight Thermal Performance	Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen ASTM E283-04	
		C			Standard for Safety of Portable Electric Luminaires ANSI/UL 153-2002	
					Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	
			10	Indoor Luminaire Safety:	Standard for Safety of Track Lighting Systems ANSI/UL 1574-2004	
			19	Portable Luminaires	Standard for Safety of Luminaires ANSI/UL 1598-2008	5
					Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004	
6					Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits ANSI/UL 1598C-2014	
				G	Standard for Safety of Fluorescent-Lamp Ballasts ANSI/UL 935-2009	
					Standard for Safety of Class 2 Power Units ANSI/UL 1310-2010	R. J.
			20	Electronic Ballast or Driver Safety	Standard for Safety of Self-Ballasted Lamps and Lamp Adapters ANSI/UL 1993-2009	A A
					Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004	AK
C					Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	朝章
		6	21	Dimming	Phase Cut Dimming for Solid State Lighting: Basic Compatibility NEMA SSL 7A-2013	

No. CNAS L3150

第 26 页 共 43 页



		Test Object		Item/Parameter		
	№	Test Object	N₂	Item/ Parameter	Standard or Method	Note
			22	Lamp Toxics Reduction	Sample Preparation for Measurement of Mercury Level in Fluorescent Lamps IEC 62554	
			1	Luminous Efficacy and	Electric and Photometric Measurements of Fluorescent Lamps IES LM- 9-09	S
		CHI	NA NA		Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
				Correlated Color	Electric and Photometric Measurements of Fluorescent Lamps IES LM- 9-09	
			2	Temperature (CCT): All Indoor Luminaires	Electrical and Photometric Measurements of Single-Ended Compact Fluorescent Lamps IES LM-66-14	
		Fluorescent Luminaires(Non-			Colorimetry CIE 15.2004	
				Color Rendering Index: All Indoor Luminaires	Electric and Photometric Measurements of Fluorescent Lamps IES LM- 9-09	6
	15		3		IES LM-66-14 IES LM-66-14	
	15	Directional Luminaires)			Method of Measuring and Specifying Colour Rendering Properties of Light Sources (E) CIE 13.3-1995	
7		G			Life Testing of Fluorescent Lamps IES LM-40-10	
			4	Lumen Maintenance	Electric and Photometric Measurements of Fluorescent Lamps IES LM- 09-09	¥ .11
					Life Testing of Compact Fluorescent Lamps IES LM-65-14	A BA
					IES LM-66-14 IES LM-66-14	- III
			5	Light Source Life	Life Testing of Fluorescent Lamps IES LM-40-10	朝證
5					Life Testing of Compact Fluorescent Lamps IES LM-65-14	



第 27 页 共 43 页

20			Item/Parameter		
N⁰	Test Object	N₂	Item/ Parameter	Standard or Method	Note
	C	6	Source Start Time	ENERGY STAR® Program Requirements for Lamps and Luminaires Start Time Test Method	5
	CHI	NA NA 7	Source Run-Up Time OF	ENERGY STAR® Program Requirements For Lamps and Luminaires FICATE Run-Up Time Test Method	
	S	8	Power Factor	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment C82.77-10:2014	
	C	9	Transient Protection	IEEE Guide on the Surge Environment in Low-Voltage (1000 V and Less) AC Power Circuits ANSI/IEEE C62.41.1-2002 IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits ANSI/IEEE C62.41.2- 2002	5
		10	Standby Power Consumption	Household electrical appliances - Measurement of standby power IEC 62301-2011	
	C	11	Operating Frequency	IEEE Recommending Practices for Modulating Current in High Brightness LEDs for Mitigating Health Risks to Viewers	
		12	Maximum Measured Ballast or Driver Case Temperature	Lampholders for Electric Lamps ANSI/IEC C81.62-2009 Recommendations for Solid State Lighting Sub-Assembly Interfaces for Luminaires NEMA LSD 45-2009	X L as
		13	Recessed Downlight Thermal Performance		THE REAL PROPERTY IN THE REAL PROPERTY INTO THE REAL PR
		14	Indoor Luminaire Safety: Portable Luminaires	Standard for Safety of Portable Electric Luminaires ANSI/UL 153-2002 Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	胡章

No. CNAS L3150

第 28 页 共 43 页



	Tast Object		Item/Parameter	Standard an Mathad	Net
№	Test Object	N₂	Item/ Parameter	Standard or Method	Note
				Standard for Safety of Track Lighting Systems ANSI/UL 1574-2004	
			" " dalaha	Standard for Safety of Luminaires ANSI/UL 1598-2008	S
	CHI	INA NA	TIONAL ACCREDITATI	Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004	
			SCHEDULE OF	Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits ANSI/UL 1598C-2014	
			G	Standard for Safety of Fluorescent-Lamp Ballasts ANSI/UL 935-2009	
				Standard for Safety of Class 2 Power Units ANSI/UL 1310-2010 Class 2	
		15	Electronic Ballast or Driver Safety	Standard for Safety of Self-Ballasted Lamps and Lamp Adapters ANSI/UL 1993-2009	C
				Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004	
				Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	Y
	6	16	Dimming	Phase Cut Dimming for Solid State Lighting: Basic Compatibility NEMA SSL 7A-2013	
		17	Lamp Toxics Reduction	Sample Preparation for Measurement of Mercury Level in Fluorescent Lamps IEC 62554	22
				Approved Method for Photometric Testing of Indoor Fluorescent Luminaries IES LM-41-14	A LA
	Fluorescent	1	Luminous Efficacy, Output and Zonal Lumen	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
16	Luminaires(Direction al Luminaires)		Density	Photometric Testing of Outdoor Fluorescent Luminaires (2015 update anticipated) IES LM-10-2015	朝意
	G	2	Correlated Color Temperature (CCT): All Indoor Luminaires	Electric and Photometric Measurements of Fluorescent Lamps IES LM- 9-09	

No. CNAS L3150

第 29 页 共 43 页

	Test Object		Item/Parameter	Standard or Method	Note
N₂	Test Object	N₂	Item/ Parameter		Note
				IES LM-66-14 IES LM-66-14	
			C Statulat	Colorimetry CIE 15.2004	
	CHI	NA NA		Electric and Photometric Measurements of Fluorescent Lamps IES LM- 9-09	
		3	Color Rendering Index: All Indoor Luminaires	IES LM-66-14 IES LM-66-14	
	S		6	Method of Measuring and Specifying Colour Rendering Properties of Light Sources (E) CIE 13.3-1995	
				Life Testing of Fluorescent Lamps IES LM-40-10	
		4	Lumen Maintenance	Electric and Photometric Measurements of Fluorescent Lamps IES LM- 09-09	6
				Life Testing of Compact Fluorescent Lamps IES LM-65-14	
				IES LM-66-14 IES LM-66-14	
	G	_		Life Testing of Fluorescent Lamps IES LM-40-10	
		5	Light Source Life	Life Testing of Compact Fluorescent Lamps IES LM-65-14	
		6	Source Start Time	ENERGY STAR Start Time Test	Y and
		7	Source Run-Up Time	ENERGY STAR Run-Up Time Test	
		8	Power Factor	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment C82.77-10:2014	田音
		9	Transient Protection	IEEE Guide on the Surge Environment in Low-Voltage (1000 V and Less) AC Power Circuits ANSI/IEEE C62.41.1-2002	14 1



第 30 页 共 43 页



24	Tost Object		Item/Parameter		
N⁰	Test Object	N₂	Item/ Parameter	Standard or Method	Note
	C ² r			IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits ANSI/IEEE C62.41.2- 2002	G
	СНІ	NAIQA	Standby Power Consumption	Household electrical appliances - Measurement of standby power IEC 62301-2011	
		11	Operating Frequency OF	IEEE Recommending Practices for Modulating Current in High Brightness LEDs for Mitigating Health Risks to Viewers	, i i i i i i i i i i i i i i i i i i i
	G		Maximum Measured	Standard for Safety of Portable Electric Luminaires ANSI/UL 153:2002 (Sections 124-128A)	
		12	Ballast or Driver Case	ANSI/UL 1574:2004 (Section 54) ANSI/UL 1574:2004 (Section 54)	
			Temperature	Standard for Safety of Track Lighting Systems ANSI/UL 1598:2008 (Sections 19.7, 19.10-16)	
		13	Recessed Downlight Thermal Performance	Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen ASTM E283-04	
				Standard for Safety of Portable Electric Luminaires ANSI/UL 153-2002	
	6		C	Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	
				Standard for Safety of Track Lighting Systems ANSI/UL 1574-2004	
		14		Standard for Safety of Luminaires ANSI/UL 1598-2008	A A A A A A A A A A A A A A A A A A A
				Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004	
				Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits ANSI/UL 1598C-2014	開意
	<u> </u>	15	Electronic Ballast or Driver Safety	Standard for Safety of Fluorescent-Lamp Ballasts ANSI/UL 935-2009	



第 31 页 共 43 页

20	TADI		Item/Parameter	- Standard or Method	
N⁰	Test Object	Nº	Item/ Parameter		Note
				Standard for Safety of Class 2 Power Units ANSI/UL 1310-2010 Class 2	
			() and	Standard for Safety of Self-Ballasted Lamps and Lamp Adapters ANSI/UL 1993-2009	
	CHI	NA NA	SCHEDULE OF	Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004	
			Sofiebole of A	Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	
		16	Dimming	Phase Cut Dimming for Solid State Lighting: Basic Compatibility NEMA SSL 7A-2013	
		17	Lamp Toxics Reduction	Sample Preparation for Measurement of Mercury Level in Fluorescent Lamps IEC 62554	
		1	Light Source	Lampholders for Electric Lamps ANSI/IEC C81.62-2009	C
17	Fluorescent Subcomponents (Lamps and Ballasts)	1	Replaceability	Recommendations for Solid State Lighting Sub-Assembly Interfaces for Luminaires NEMA LSD 45-2009	
		2	Ballast/Driver Replaceability		
	S	1	Luminous Efficacy and Output	Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	
	Solid State Luminaires(Non-			Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	Ne il a
18	directional Luminaires and		Correlated Color	Colorimetry CIE 15.2004	
	Subcomponents)	2 Temperature (CC	Temperature (CCT): All Indoor Luminaires	Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	朝璋
	C			Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	



📰 💷 No. CNAS L3150 🔨

第 32 页 共 43 页



			Item/Parameter		
N≌	Test Object	Nº	Item/ Parameter	Standard or Method	Note
	C			Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	C
	СНІ	NA NA	TIONAL ACCREDITATI	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
			SCHEDULE OF	Method of Measuring and Specifying Colour Rendering Properties of Light Sources (E) CIE 13.3-1995	
	C			Measuring Lumen Maintenance of LED Light Sources IES LM-80-08	
			4 Lumen Maintenance	Projecting Long Term Lumen Maintenance of LED Sources IES TM- 21-11	
		4		Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IES LM-84-14	
				Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaries IES TM-28-14	5
				Colorimetry CIE 15.2004	
		5		Projecting Long Term Lumen Maintenance of LED Sources IES TM- 21-11	
		5	Light Source Life	Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaries IES TM-28-14	
			Color Maintenance:	Measuring Lumen Maintenance of LED Light Sources IES LM-80-08	il so
		6	Indoor Luminaires	Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IES LM-84-14	· ·
		7	Source Start Time	ENERGY STAR Start Time Test	MX
		8	Power Factor	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment C82.77-10:2014	用草



第 33 页 共 43 页



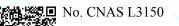
			Item/Parameter		
N₂	Test Object	Nº	Item/ Parameter	Standard or Method	Note
				IEEE Guide on the Surge Environment in Low-Voltage (1000 V and Less) AC Power Circuits ANSI/IEEE C62.41.1-2002	
	СНІ	9 NA NA		IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits ANSI/IEEE C62.41.2- 2002	
		10	Standby Power ULE OF Consumption	Household electrical appliances - Measurement of standby power IEC 62301-2011	
	G	11	Operating Frequency	IEEE Recommending Practices for Modulating Current in High Brightness LEDs for Mitigating Health Risks to Viewers	
			Light Source	Lampholders for Electric Lamps ANSI/IEC C81.62-2009	
		12	Replaceability	Recommendations for Solid State Lighting Sub-Assembly Interfaces for Luminaires NEMA LSD 45-2009	
		13	Ballast/Driver Replaceability		5
				Standard for Safety of Portable Electric Luminaires ANSI/UL 153:2002 (Sections 124-128A)	
	<u> </u>	14	Maximum Measured Ballast or Driver Case	Standard for Safety of Track Lighting Systems ANSI/UL 1574:2004 (Section 54)	
		14	Temperature	Standard for Safety of Luminaires ANSI/UL 1598:2008 (Sections 19.7, 19.10-16)	
				Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits ANSI/UL 1598C-2014	il as
		15	Recessed Downlight Thermal Performance	Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen ASTM E283-04	を見な
			Indoor Luminaire Safety:	Standard for Safety of Portable Electric Luminaires ANSI/UL 153-2002	開算
	G	16	Portable Luminaires	Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	



第 34 页 共 43 页



			Item/Parameter		NT 4
Nº	Test Object	N₂	Item/ Parameter	Standard or Method	Note
			and the local design of th	Standard for Safety of Track Lighting Systems ANSI/UL 1574-2004	
				Standard for Safety of Luminaires ANSI/UL 1598-2008	6
	CHI	NA NA	TIONAL ACCREDITATI	Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004	
			SCHEDULE OF	Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits ANSI/UL 1598C-2014	
			C	Standard for Safety of Fluorescent-Lamp Ballasts ANSI/UL 935-2009	
				Standard for Safety of Class 2 Power Units ANSI/UL 1310-2010 Class 2	
		17	17 Electronic Ballast or Driver Safety	Standard for Safety of Self-Ballasted Lamps and Lamp Adapters ANSI/UL 1993-2009	C
				Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004	
				Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	
	G	18	Dimming	Phase Cut Dimming for Solid State Lighting: Basic Compatibility NEMA SSL 7A-2013	
		19	Lamp Toxics Reduction	Sample Preparation for Measurement of Mercury Level in Fluorescent Lamps IEC 62554	
		1	Luminous Efficacy, Output and Zonal Lumen Density	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
19	Solid State Luminaires(Direction			Colorimetry CIE 15.2004	MA
	al Luminaires)	2	Correlated Color Temperature (CCT): All		拥章
	6		Indoor Luminaires	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	



第 35 页 共 43 页



	N⁰	Test Object		Item/Parameter	- Standard or Method	Note
	JNG	Test Object	N₂	Item/ Parameter	Standard or Method	INOLE
·						
		СНІ	NA NA		Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	
				SCHEDULE OF	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
		5		Color Dendering Inden	Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	
			3	Color Rendering Index: All Indoor Luminaires	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
				Color Angular	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
C			4	Uniformity: All Indoor Luminaires	Method for Spectroradiometric Measurement Methods for Light Sources IES LM-58-13	
		6			Colorimetry CIE 15.2004	
					Measuring Lumen Maintenance of LED Light Sources IES LM-80-08	
						A LA SH
			5	Lumen Maintenance	Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IES LM-84-14	; 用X
					Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaries IES TM-28-14	朝童
\subseteq					Colorimetry CIE 15.2004	

₩2. No. CNAS L3150

第 36 页 共 43 页

	Test Object	Item/Parameter			
N⁰		Nº	Item/ Parameter	- Standard or Method	
		6	Light Source Life	Projecting Long Term Lumen Maintenance of LED Sources IES TM- 21-11 Projecting Long-Term Luminous Flux Maintenance of LED Lamps and	6
	СНІ		TIONAL ACCREDITAT	Luminaries IES TM-28-14 Measuring Lumen Maintenance of LED Light Sources IES LM-80-08	
		7	Indoor Luminaires	Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IES LM-84-14	
		8	Source Start Time	ENERGY STAR Start Time Test	
		9	Power Factor	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment C82.77-10:2014	
	C)	10	Transient Protection	IEEE Guide on the Surge Environment in Low-Voltage (1000 V and Less) AC Power Circuits ANSI/IEEE C62.41.1-2002 IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits ANSI/IEEE C62.41.2- 2002	
		11	Standby Power Consumption	Household electrical appliances - Measurement of standby power IEC 62301-2011	
		12	Operating Frequency	IEEE Recommending Practices for Modulating Current in High Brightness LEDs for Mitigating Health Risks to Viewers	
		13	Light Source Replaceability	Lampholders for Electric Lamps ANSI/IEC C81.62-2009	I'm
		14			まで
		15		Standard for Safety of Portable Electric Luminaires ANSI/UL 153:2002 (Sections 124-128A)	出日共
		13		Standard for Safety of Track Lighting Systems ANSI/UL 1574:2004 (Section 54)	又川早

■ ************************** No. CNAS L3150

第 37 页 共 43 页



		Item/Parameter			
N⁰		Nº	Standard or Method № Item/ Parameter		Note
				Standard for Safety of Luminaires ANSI/UL 1598:2008 (Sections 19.7, 19.10-16)	
			Winham Winham	Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits ANSI/UL 1598C-2014	S
	CH	16	Recessed Downlight Thermal Performance	Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen ASTM E283-04	
	G			Standard for Safety of Portable Electric Luminaires ANSI/UL 153-2002	
				Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	
	C,	17	Indoor Luminaire Safety: Portable Luminaires	Standard for Safety of Track Lighting Systems ANSI/UL 1574-2004	
				Standard for Safety of Luminaires ANSI/UL 1598-2008	5
				Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004	
				Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits ANSI/UL 1598C-2014	
			G	Standard for Safety of Fluorescent-Lamp Ballasts ANSI/UL 935-2009	
				Standard for Safety of Class 2 Power Units ANSI/UL 1310-2010 Class 2	R. J.
		18	Electronic Ballast or Driver Safety	Standard for Safety of Self-Ballasted Lamps and Lamp Adapters ANSI/UL 1993-2009	A.
				Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004	HK
				Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	朝章
	6	19	Dimming	Phase Cut Dimming for Solid State Lighting: Basic Compatibility NEMA SSL 7A-2013	



第 38 页 共 43 页



	Test Object	Item/Parameter			
N⁰		N₂	Item/ Parameter	- Standard or Method	
		20	Lamp Toxics Reduction	Sample Preparation for Measurement of Mercury Level in Fluorescent Lamps IEC 62554	
	СНІ		Luminous Efficacy and T Output SCHEDULE OF	Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	S
				Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
	SSL Retrofit Kits	2	Luminous Efficacy, Output and Zonal Lumen Density	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
			Color Rendering Index: All Indoor Luminaires	Colorimetry CIE 15.2004	
		3		Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	5
20				Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
				Method for the Characterization of LED Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature IES LM-82-12	
		4		Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	1. J
				Method of Measuring and Specifying Colour Rendering Properties of Light Sources (E) CIE 13.3-1995	THE PAR
			Color Angular Uniformity: All Indoor Luminaires	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	日本
		5		Method for Spectroradiometric Measurement Methods for Light Sources IES LM-58-13	朝璋
	C			Colorimetry CIE 15.2004	

No. CNAS L3150

第 39 页 共 43 页



		Item/Parameter		– Standard or Method	
N⁰	Test Object	N₂ Item/ Parameter			
	Corre		TONAL ACCREDITATI Lumen Maintenance	Measuring Lumen Maintenance of LED Light Sources IES LM-80-08	
				Projecting Long Term Lumen Maintenance of LED Sources IES TM- 21-11	S
	CHI	NA NA 6		Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IES LM-84-14	
				Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaries IES TM-28-14	
			C	Colorimetry CIE 15.2004	
		7	Light Source Life	Projecting Long Term Lumen Maintenance of LED Sources IES TM- 21-11	
		/	Light Source Life	Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaries IES TM-28-14	6
			Color Maintenance:	Measuring Lumen Maintenance of LED Light Sources IES LM-80-08	
		8	Indoor Luminaires	Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IES LM-84-14	
2	G	9	Source Start Time	ENERGY STAR Start Time Test	
		10	Power Factor	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment C82.77-10:2014	
				IEEE Guide on the Surge Environment in Low-Voltage (1000 V and Less) AC Power Circuits ANSI/IEEE C62.41.1-2002	
		11	Transient Protection	IEEE Recommended Practice on Characterization of Surges in Low- Voltage (1000V and Less) AC Power Circuits ANSI/IEEE C62.41.2- 2002	月 五 子 日 主
		12	Standby Power Consumption	Household electrical appliances - Measurement of standby power IEC 62301-2011	又 用早



第40页共43页

	Test Object CHI	Item/Parameter			Note
N⁰		Nº	Item/ Parameter	n/ Parameter	
		13	Operating Frequency	IEEE Recommending Practices for Modulating Current in High Brightness LEDs for Mitigating Health Risks to Viewers	
		INA ¹ 4IA	Replacedonity	Lampholders for Electric Lamps ANSI/IEC C81.62-2009 Recommendations for Solid State Lighting Sub-Assembly Interfaces for	
		15	SCHEDULE OF Ballast/Driver Replaceability	Luminaires NEMA LSD 45-2009	
	- AS	16	Maximum Measured Ballast or Driver Case Temperature	Standard for Safety of Portable Electric Luminaires ANSI/UL 153:2002(Sections 124-128A)Standard for Safety of Track Lighting Systems ANSI/UL 1574:2004(Section 54)Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits	
		17	Recessed Downlight Thermal Performance	ANSI/UL 1598C-2014 Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen ASTM E283-04	
	5		5	Standard for Safety of Portable Electric Luminaires ANSI/UL 153-2002 Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	
		18	Indoor Luminaire Safety: Portable Luminaires	Standard for Safety of Track Lighting Systems ANSI/UL 1574-2004 Standard for Safety of Luminaires ANSI/UL 1598-2008	
				Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004 Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits	朝草
	6	19	Electronic Ballast or Driver Safety	ANSI/UL 1598C-2014 Standard for Safety of Fluorescent-Lamp Ballasts ANSI/UL 935-2009	

No. CNAS L3150

第 41 页 共 43 页

	Test Object	Item/Parameter			
Nº		Nº	Item/ Parameter	Standard or Method	Not
				Standard for Safety of Class 2 Power Units ANSI/UL 1310-2010 Class 2	
			The and	Standard for Safety of Self-Ballasted Lamps and Lamp Adapters ANSI/UL 1993-2009	C
	CH	NA NA	TIONAL ACCREDITAT	Standard for Low-Voltage Lighting Systems ANSI/UL 2108-2004	
			SCHEDOLE OF	Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products ANSI/UL 8750-2009	
		20	Dimming	Phase Cut Dimming for Solid State Lighting: Basic Compatibility NEMA SSL 7A-2013	
		21	Lamp Toxics Reduction	Sample Preparation for Measurement of Mercury Level in Fluorescent Lamps IEC 62554	
		1	Luminous Efficacy and Output	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	C
	LED Package, Array, Module Lumen Maintenance Testing	2	Luminous Efficacy, Output and Zonal Lumen Density	Electrical and Photometric Measurements of Solid-State Lighting Products IES LM-79-08	
			Lumen Maintenance	Life Testing of Fluorescent Lamps IES LM-40-10	
				Electric and Photometric Measurements of Fluorescent Lamps IES LM- 09-09	
21				Life Testing of Compact Fluorescent Lamps IES LM-65-14	NI S
				IES LM-66-14 IES LM-66-14	Real Property in the second se
				Measuring Lumen Maintenance of LED Light Sources IES LM-80-08	- M
				Projecting Long Term Lumen Maintenance of LED Sources IES TM- 21-11	朝草
	<u> </u>			Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires IES LM-84-14	

N₂	Test Object		Item/Parameter	- Standard or Method		Note	
JNG	Test Object	№	Item/ Parameter		Standard or Method		
	A Y			Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaries IES TM-28-14			
				Colorimetry CIE 15.2004			
	CH	ΙΝΑ ΝΑ Τ		TON SERVICE FOR CONFO	RMITY ASSESSME	NT	
			SCHEDULE OF	ACCREDITATION CERTIFIC	CATE		
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