



Report No.: GZE151004-B1

NVLAP LAB CODE 201011-0

LM-79-08 Test Report

For

Hocan Group Co.,Ltd

(Brand Name: SEPICN LED Lighting)

Rm 1902, Easey Comm Bldg
253-261 Hennessy Rd
Wanchai, HONG KONG

LED Tube Light

Model name(s): HC-T8-8FT-36W-ID(Clear)

Representative (Tested) Model: HC-T8-8FT-36W-ID(Clear)

Model Difference: N/A

Test & Report By:

Peeta Cao

Engineer: Peeta Cao

Date: Oct.13,2015

Review By:

Tommy Liang

Manager: Tommy Liang

Note: This report does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Laboratory: Standard-Tech Co. Ltd Testing Center
NVLAP CODE: 201011-0

Report Format Number STD/QR4909-A/2

Address: 8th floor, Block B, No. 11 Caipin Road, Guangzhou Science City, Tianhe, Guangzhou 510663, China

Tel: 8620-3229 0320 Fax: 8620-32290422 <http://www.standard-tech.com>

U.S. Department of Energy

Lighting Facts™ Uniform LM-79 Reporting Template
Laboratory Information:

Name of Test Laboratory	Standard-Tech Co., Ltd.
Date of Test Report	Oct.13,2015
Test Report No.	GZE151004-B1
Laboratory Contact Name	Tommy Liang

Product Information:

Organization Name	Hocan Group Co.,Ltd	
Brand Name	SEPICN LED Lighting	
Model Number	HC-T8-8FT-36W-ID(Clear)	
SKU (if available)	N/A	
Type of Luminaire (for integral lamps, list base type and lamp type)	LED Tube Light	
Luminaire Aperture (for downlights)	--	in.
Luminaire Length	2400	mm
Luminaires Width	--	mm
Number of Units (modular products)	N/A	s

Integrating Sphere
Electrical Measurements:
Output

Input Wattage	35.48	W
Input Current	0.1350	A
Input Voltage (ac)	277.0	V
Power Factor	0.9487	
Off-State Power	0	W

Photometric Characteristics

Total Initial Lumen Output	3960	lm
Initial Lumen Efficacy	111.61	lm/w
Correlated color temperature / CCT	6822	K
Color rendering index / CRI	84.2	
R9 Value	11	
Duv	0.0063	
Luminous Intensity Distribution		
Center beam candlepower (if applicable)	-----	cd
Beam angle (if applicable)		°
Zonal lumens in the 0°-60° zone		%
Zonal lumens in the 60°-90° zone		%
Zonal lumens in the 90°-120° zone		%
Zonal lumens in the 120°-180° zone		%

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Test Specifications:	
Date of Receipt	: Oct.09,2015
Date of Test	: Oct.12,2015
Test item	: Total Luminous Flux, Luminous Distribution Intensity, Luminous Efficacy, Correlated Color Temperature, Color Rendering Index, Chromaticity Coordinate, Electrical parameters
Reference Standard	IES LM-79-2008 Electrical and Photometric Measurements of Solid-State Lighting Products ANSI C78.377-2008 Specifications for the Chromaticity of Solid State Lighting Products CIE 13.3-1995 Method of Measuring and Specifying Colour Rendering Properties of Light Sources CIE 15-2004 Technical Report Colorimetry IESNA LM-16-93 Practical Guide to Colorimetry of Light Source IESNA TM-16-05 Technical Memorandum on Light Emitting Diode (LED) Sources and Systems
Reference Work Instruction	QD25

Test Methods

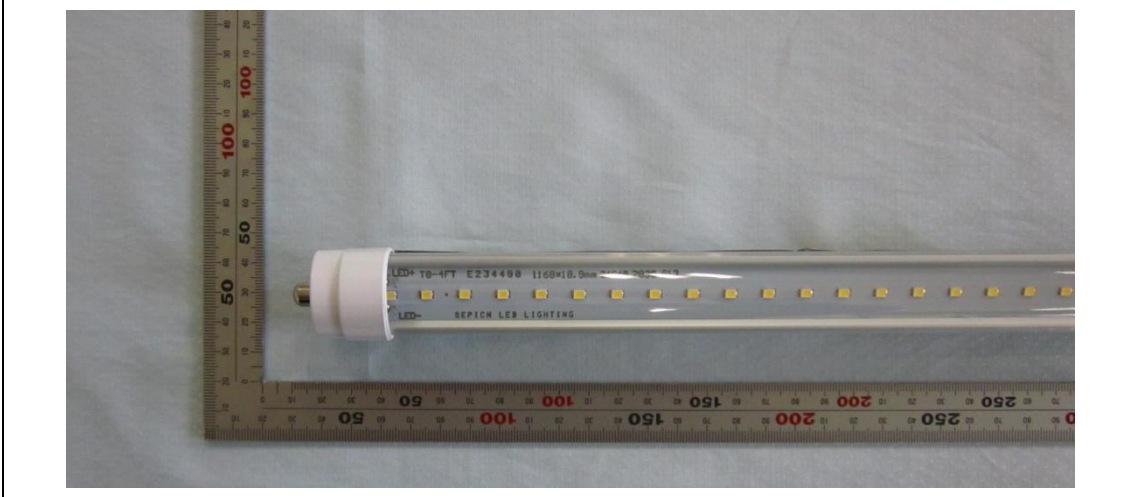
1. Photometric and Electrical Measurements – Integrating Sphere Method:

Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$. The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere. The sample was operated at 120Volts AC, 60Hz. It was stabilized before measurement was made. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at least 5 nm intervals over the range of 380 to 780 nm.

1. Product Information:

Brand Name	SEPICN LED LIGHTING
Model Number	HC-T8-8FT-36W-ID(Clear)
Luminaire Type	LED Tube Light
Rated Voltage / Frequency	100~ 277Vac, 50/60Hz
Nominal Power	36W
Rated Initial Lamp Lumen	--
Declared CCT	6500K
LED Manufacturer	N/A
LED Model	N/A
Sample Receipt Date	Oct.09,2015
Sample Number	GZE151004-B(6500K)

Photo



2. Electrical, Photometric and Chromaticity Measurements (Refer to Work Instruction QD25)	IES LM-79 2008
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Test date	2015-10-12	Test Ambient:	25.1 °C
Test Orientation	As Intended	Stabilization Time (min)	90
Model Number	HC-T8-8FT-36W-ID(Clear)		

Electrical Measurement:

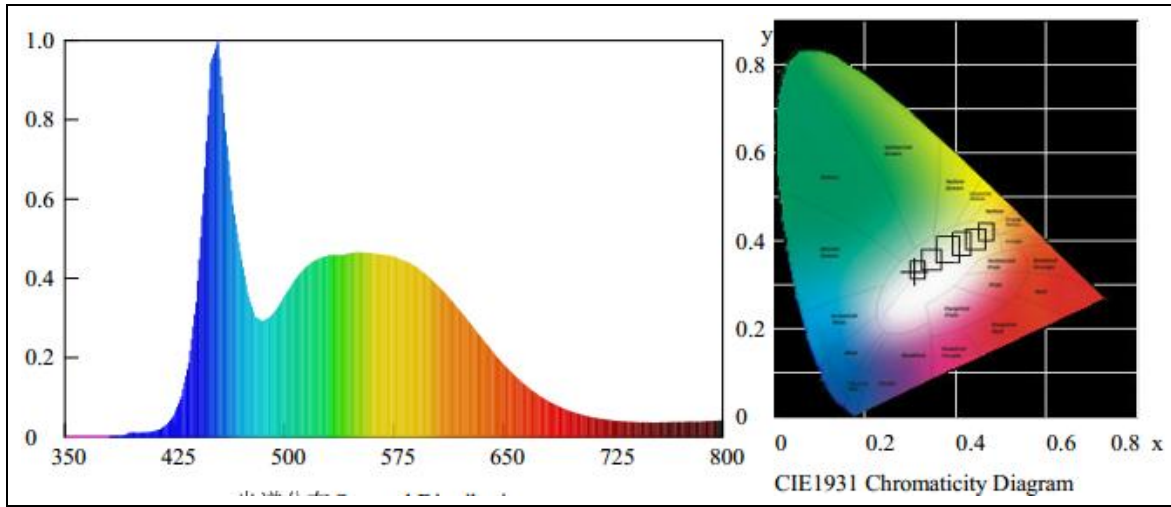
Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
GZE151004-B	277.0	60	0.1350	35.48	0.9487

Sphere-Spectroradiometer Method:

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Color Rendering Index (CRI)	84.2
R9	11
CCT (K)	6822
Chromaticity (x, y)	x=0.3069 y=0.3294
Chromaticity (u', v')	u'=0.1937 v'=0.4677
Duv	0.0063
Total Luminous (lm)	3960
Luminous Efficacy (lm/W)	111.61

Special Color Rendering Indices			
R1	82	R9	11
R2	90	R10	76
R3	94	R11	80
R4	81	R12	57
R5	82	R13	86
R6	85	R14	97
R7	88	R15	77
R8	70	--	--

Spectral Power Distribution & Chromaticity Diagram



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3. Test Equipment

Equipment ID	Equipment Name	Last Calibration Date	Next Calibration Date
ST-R-336	3 meter Integrating Sphere	2015-07-01	2016-06-30
D204	Standard Lamp	2015-07-01	2016-06-30
PF2010	Power Meter for Integrating Sphere	2015-07-01	2016-06-30
Uncertainty: Photometric Measurement (Sphere):1.74% Chromaticity Measurement(Sphere):14.3K			

******* END OF DATASHEET PACKAGE *******

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