



Test Report IESNA LM79 - 2008

Photometric testing and evaluation in accordance with LM79-2008

Laboratory:	- Energy Research Center Lighting Testing Laboratory - Faculty of engineering- Cairo University - Giza-Egypt
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CUSTOMER:	- TEBA FOR DEVELOPMENT INDUSTRIES
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Sample Tested:	- STREET LED LUMINAIRE - 150W - TEBA UNITED - CODE: 8150
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Testing performed by :	- Dr. Mohamed Rabah Amer
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Approved:

Energy Research Center Director

Prof. Rabah Yousif Amer

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ERC - CUFE

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➤ Reference standards or methods

ANSI/NEMA/ANSLG	Specifications for the Chromaticity of Solid State Lighting Products
ANSI/ANSLG C81.61-2009	Specifications for Bases (Caps) for Electric Lamps
ANSI/ANSLG C81.62-2009	Lamp holders for Electric Lamps
ANSI C82.77-2002	Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment
NSI/IEEE C62.41.1-2002	IEEE Guide on the Surge Environment in Low-Voltage (1000 V and Less) AC Power Circuits
ANSI/IEEE C62.41.2-2002	IEEE Recommended Practice on Characterization of Surges in Low-Voltage (1000V and Less) AC Power Circuits
ANSI/UL 1598-2008	Standard for Safety of Luminaires
ANSI/UL 1993-2011	Self-Ballasted Lamps and Lamp Adapters
ANSI/UL 8750-2009	Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products
CIE Pub. No. 15:2004	Colorimetry
CIE Pub. No. 13-1995	Method of Measuring and Specifying Color Rendering of Light Sources
IES LM-79-08	Electrical and Photometric Measurements of Solid-State Lighting Products
IES LM-80-08	Measuring Lumen Maintenance of LED Light Sources IES Approved Method for the Characterization of LED
IES LM-82-12	Light Engines and Integrated LED Lamps for Electrical and Photometric Properties as a Function of Temperature

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Ingress Protection (IP) Rating of led street lighting luminaire

• Customer : TEBA for development industries

• Intenational standards :
- IEC 60529:1989 + A1:1999+A2:2013

Degrees of protection provided by enclosures (IP Code)

- Sample Tested:
 - STREET LED LUMINAIRE
 - 100W/150W
 - TEBA UNITED
 - CODE: 8100/8150

Test Results

Item	Measured Value	Result
IP degree of protection	IP65	Compliant with the classification declared by the manufacturer

- Tested by:

Dr. Mohamed Rabah Yousief Amer 

مركز بحوث الطاقة
كلية الهندسة - جامعة القاهرة

ERC - CUFE

Approved by


Prof. Rabah Yousief Amer
ERC Director



يحيى توفيق المدير

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IMPACT PROTECTION RATINGS (IK) RATING of LED STREET LIGHTING LUMINAIRE

- Customer : TEBA for development industries
- Intenational standards :
- IEC 62262:2002

Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)

- Sample Tested:
 - STREET LED LUMINAIRE
 - 100W/150W
 - TEBA UNITED
 - CODE: 8100/8150

• Test Results

Item	Testing	Result
IK Rating	IK08	Compliant with the classification declared by the manufacturer

- Tested by:

Dr. Mohamed Rabah Yousief Amer

M. Rabah

مركز بحوث الطاقة
كلية الهندسة - جامعة القاهرة

ERC - CUFE

Approved by

Rabah Amer

Prof. Rabah Yousif Amer
ERC Director



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Photometric testing and evaluation in accordance with LM79-2008

Laboratory:	- Energy Research Center Lighting Testing Laboratory - Faculty of engineering- Cairo University - Giza-Egypt
CUSTOMER:	- TEBA FOR DEVELOPMENT INDUSTRIES
Sample Tested:	- STREET LED LUMINAIRE - 100W - TEBA UNITED - CODE: 8100
Testing performed by :	- Dr. Mohamed Rabah Amer

Approved:

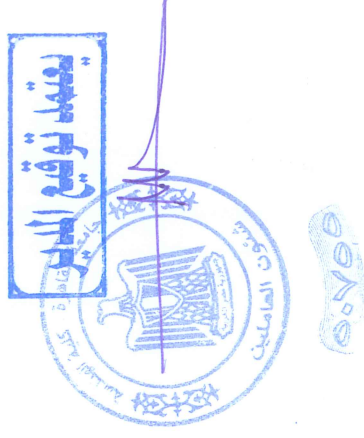
Energy Research Center Director

Rabah Amer

Prof. Rabah Yousif Amer

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