

ISO / 9001:2015 , 14001: 2015, 45001:2018,17025:2017 Certified

رقم القيد :

التاريخ : ٢٠٢٣/٠٩/١٠

Test Report No.(16/2023) LED Luminaire

Based on request submitted by **EG Lightto** conduct
Technical Tests for the following sample:

- LED back light Panel 60*60 -42W-OSRAM Driver
- SN.:30082023/001

The tests were carried out in the **Lighting
Laboratories of Electronics Factory – Arab
Organization for Industrialization (AOIEF-LFL)**
Attached :

- 1- TEST REPORT NO. : G/12/2023
- 2- TEST REPORT NO. :IS/24/2023

Prepared by:Eng.MedhatAbdalla---- LTM

(Eng. Medhat A.)

Approved by:Eng.Mohamed Abdel Hamid ---- Lab Manager

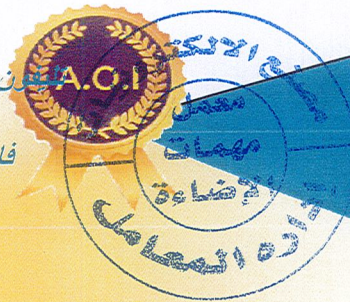
(Eng. Mohamed Abdel Hamid)

Authorized by:Eng.NihalSalama---- Quality Director (.....)

(Eng. Nihal Salama)

٢٢٦٩٤٧٧٨- ٢٢٦٩٤٣٧٥ : فاكس

٢٢٦٩٢٤٨١- ٢٢٦٩٢٤٨٠ : القاهرة



العنوان : الماطة الكيلو ٥، طريق القاهرة - السويس

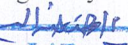
داخل مصنع صقر - بوابة ٣

ص.ب : ٨٤ هليوبوليس - القاهرة



TEST REPORT

ISSUED BY : Lighting Laboratory
DATE OF ISSUE : 4/9/2023
TEST REPORT NO. : IS/24/2023

Page 1 of Pages
Approved Signatory
Signature: 
Name: Lighting LAB
Title: Lab Tech. Mgr

1613

Electronics Factory

P.O. BOX: Sakr Factory No. (3) - Egypt. Post Code: 11361

Tel. 22689023 - 22686736

Fax : 22688726

CUSTOMER & ADDRESS : egylight - Heliopolis

SAMPLE RECEIPT DATE : 30/8/2023

SAMPLE TEST DATE : 4/9/2023

SAMPLE DESCRIPTION:

SN :30082023/001 (led backlight panel 60*60)

ENV.CONDITIONS :

Temp: 25.5C

Humidity: 51%

BASIS OF TEST:

Integrating sphere model : YF1000

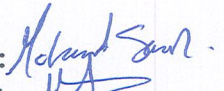
HAAS -1200

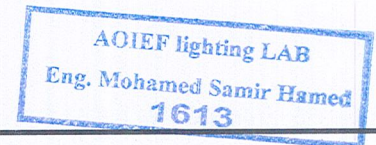
SN	TEST ITEM			
	CCT(K)	Ra	power	pf
30082023/001	5829	81.5	42.63	0.97

TEST METHOD USED:

IEC 62612:2013-06



Tested By: 
Signature : 
Name: Mohamed samir
Title : Test engineer



TEST REPORT

ISSUED BY : Lighting Laboratory
DATE OF ISSUE : 04/09/2023
TEST REPORT NO. : G/12/2023

Page 1 of 1 Pages

Approved Signatory

Signature: 

Name: Eng. Mohamed

Title: Lab. Tech. Mgr

AOIEF Lighting LAB
Eng. Mohamed Samir Hamed
1613

Electronics Factory

P.O. BOX: Saker Factory No.(3) – Egypt. Post Code:11361

Tel. (+202)22692479-22692478 Fax : (+202)22692480(81)

CUSTOMER & ADDRESS: EG Light-Heliopolis

SAMPLE RECEIPT DATE :30/08/2023

SAMPLETEST DATE:04/09/2023

SAMPLE DESCRIPTION: LED back light Panel 60*60 -42W-OSRAM Driver

S.N: 30082023-001

ENV.CONDITIONS : Temp: 25.5°C Humidity:49%

BASIS OF TEST:Goniophotometer / Model : GO2000 – CT400

TEST METHODUSED: IEC 62722-2-1/2015

IEC 62717/2014

RESULTS:

Model	SN	Test Item			
		Total Flux Lumen	Efficacy Lm/W	Candle Imax(cd)	Average beam Angle
LED back light Panel 60*60 - 42W-OSRAM Driver	30082023-001	4441.8 Lm	106.14 Lm/W	1536 cd	113.8°



AOIEF Lighting LAB
Eng. Rania Abd El Fattah
1634

Tested By: Rania AbdElfattah

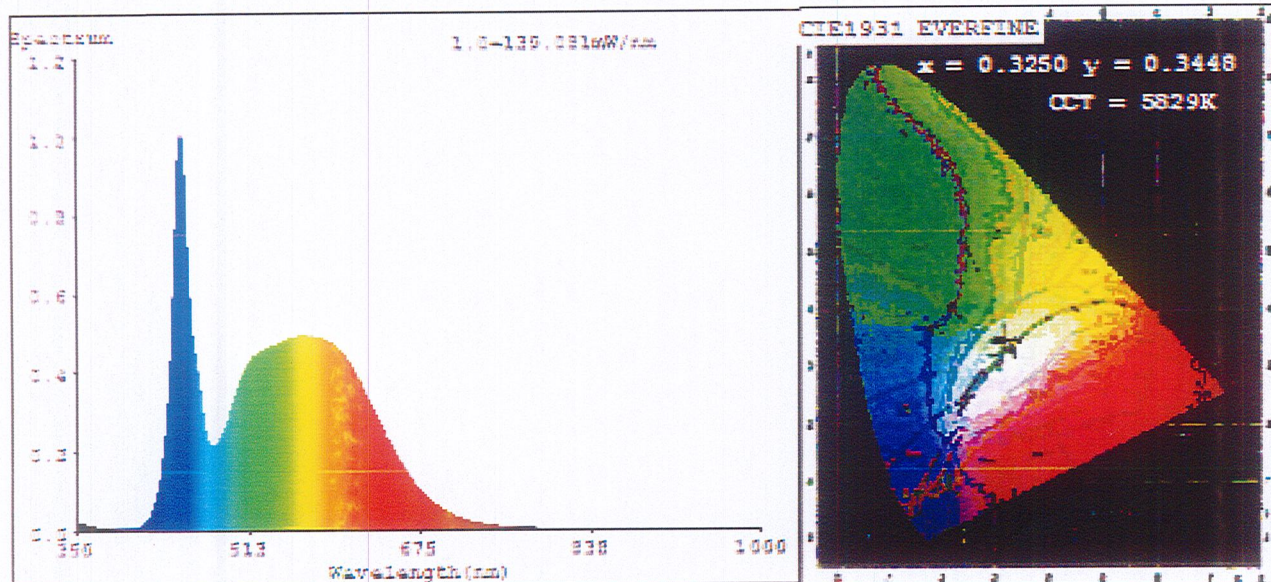
Signature : 

Title : Test Engineer

This test report is issued in accordance with the requirements of the accreditation bodies and ISO /IEC 17025 Requirements. It provides traceability of measurement to recognized international standards, and to units of measurement realized at the National Physical Laboratory or other recognized national standard laboratories.

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Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3250$ $y=0.3448$ $u'=0.2004$ $v'=0.4783$
 CCT=5829K(Duv=0.0053) Dominant WL:Ld =511.1nm WL:Lc = --nm Purity=2.6%
 Ratio:R=13.9% G=81.2% B=4.9%;;Peak WL:Lp=448.0nm FWHM=18.5nm
 Render Index:Ra=81.5 AvgR=74.0 TM30:Rf=83 Rg=95

R1 =79 R2 =85 R3 =90 R4 =82 R5 =81 R6 =81 R7 =87
 R8 =67 R9 =0 R10=66 R11=82 R12=61 R13=80 R14=95 R15=73

Electrical parameters:

V = 219.62 V I = 0.2000 A P = 42.63 W PF = 0.9706
 LEVEL:OUT WHITE:ANSI_5700K

Status: Integral T = 53 ms Ip = 52181 (80%)



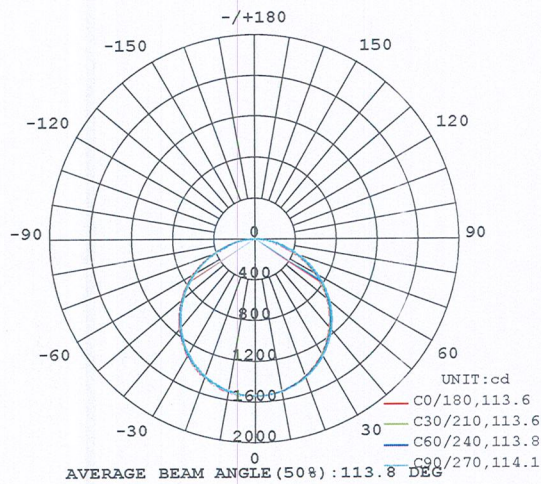
Model:led backlight panel 60*60 Number:28
 Tester:Mohamed samir Date:2023-9-04
 Temperature:25.5Deg Humidity:51%
 Manufacturer:egylight Remarks:osram driver

LUMINAIRE PHOTOMETRIC TEST REPORT

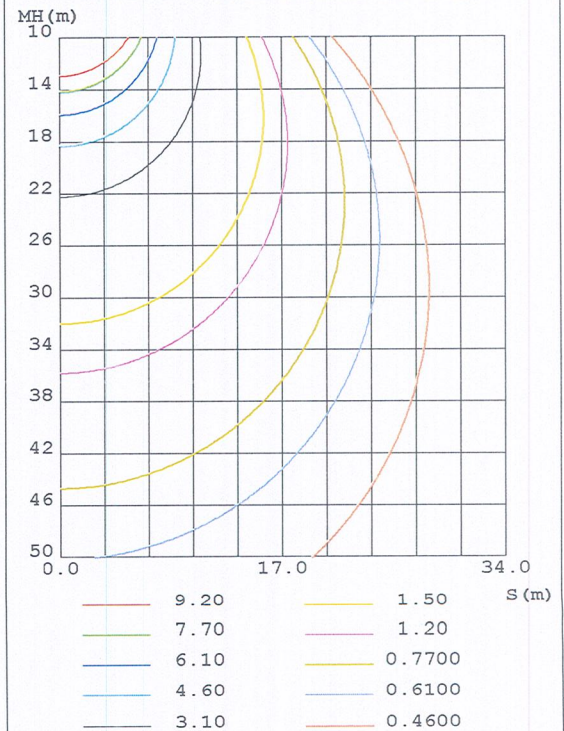
NAME: EG.LIGHT	TYPE: SAMPLE 1	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 106.14 lm/W
MODEL	Led panel 60*60	Imax (cd)	1536	S/MH (C0/180)	1.27	
NOMINAL POWER (W)	42	LOR (%)	105.8	S/MH (C90/270)	1.26	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	4441.8	η UP, DN (C0-180)	0.0, 53.8	
NOMINAL FLUX (lm)	4200	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 52.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	220	η down (%)	105.8	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: AOI
 Test Date: 04 September 2023

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity: 47%
 Test Distance: 6.417m [K=1.0000]
 Remarks:

