

Test Report

Luminaire Manufacturer

Lighting Device

Test Report Code



 Approved by Laboratory Director (PT-DLAB)	 Approved by Laboratory Technician
--	---

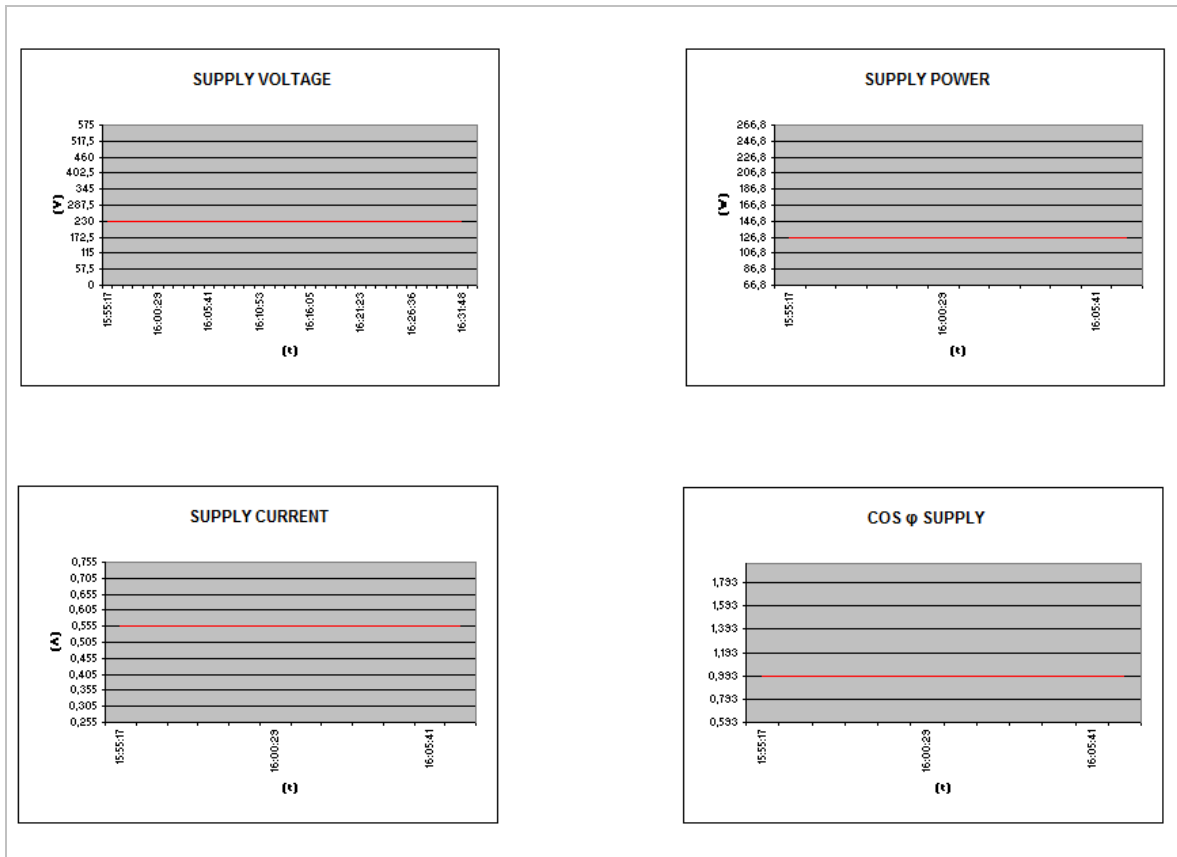
Report Date 11/11/16

Attachments		
▶ Photometric Test Report		<input type="checkbox"/>
▶ Electrical Parameters Measurement		<input type="checkbox"/>
▶ Results of TSI Photometric Test		<input type="checkbox"/>
▶ Colorimetric Test Report		<input checked="" type="checkbox"/>
▶ Colorimetric and Luminance Test Report		<input type="checkbox"/>
▶ Emergency Test Report		<input type="checkbox"/>
▶ Parasite Light Test (Background Noise Assessment)		<input type="checkbox"/>
▶ Declaration of Conformity to Regional Laws regarding Light Pollution		<input type="checkbox"/>
▶ Conformity Assessment to IMQ Performance - April 2014		<input type="checkbox"/>
▶ Measuring system check		<input type="checkbox"/>
▶ List of photometric data processing attached		<input type="checkbox"/>

Index

1.	Electrical Parameters during Test.....	3
2.	Colorimetric Test Report	4
2.1	Results of Colorimetric Measurements at a Distance of 4.54 m.....	6
2.1.1	Average values.....	6
2.1.2	Values at C-0° - $\gamma = 0^\circ$ on the spectral radiance graph	6
2.1.3	Values at C-0° - $\gamma = 0^\circ$ - on the CIE 1931 graph.....	6
2.2	Test Notes.....	7

1. Electrical Parameters during Test



 Approved by Laboratory Director (PT-DLAB)	 Approved by Laboratory Technician
--	---

2. Colorimetric Test Report

Colorimetric Test Code

Laboratory Director	Mr. Stefano Borsani
Laboratory Technician	Mr. Abdellatif Zaher

Manufacturer Data

Manufacturer	
OxyTech Manufacturer Code	
Address	
Contact Person	

Lighting Device Data

Type	
Model	
Description	
Dimensions [mm]	
Light Area Dimensions [mm]	
Led Type and Make	
Ballast Type and Make	
Heat Sink Type and Make	
Laboratory Ballast/Lamp References	

Test Data

Test Date			
Measurement Type	C-γ Asymmetric		
Reference Norm	LM-79-08 / EN 13032-4:2015		
Internal Reference Documents	Procedure PT1006a	Instruction IS1006	
Lamp Stabilization Time	.		
Number of Samples Tested	1		

Uncertainties

Source Instability	=< 1%
Angular Precision in C and γ	± 0.05°

Laboratory Measuring Instruments

Goniophotometer (G1)	T2 luminaire rotation goniophotometer in accordance with:	
	<ul style="list-style-type: none"> ▶ Norm EN 13032 type 1.1, 1.2 and 1.3 ▶ CIE Recommendation 121 Chap.5 Type 1 and 2 	
	Serial Number: OX-048	
	Measurement distance: 9.11 m	
Voltage Stabilizer	Electrotest model TPS/M 6000-	Serial Number: OX-037
Multimeter	Kinetiq Ppa5530	Serial Number: OX-031
Thermometer	Delta Ohm-HD2001.2	Serial Number: OX-040
Colorimeter	Jeti Spectroradiometer Specbos 1201 Focus	Serial Number: OX-030

Electrical Parameters Test

Source Voltage	230 V \pm 0.2%
Harmonic Distortion	< 0,5%
Source Frequency	50 Hz \pm 0.1%

Environmental Conditions

Laboratory Temperature [°C]	25°C \pm 1°C
Relative Humidity	60%
Air Movement	< 0,2 m/s

Colorimetric Characteristics

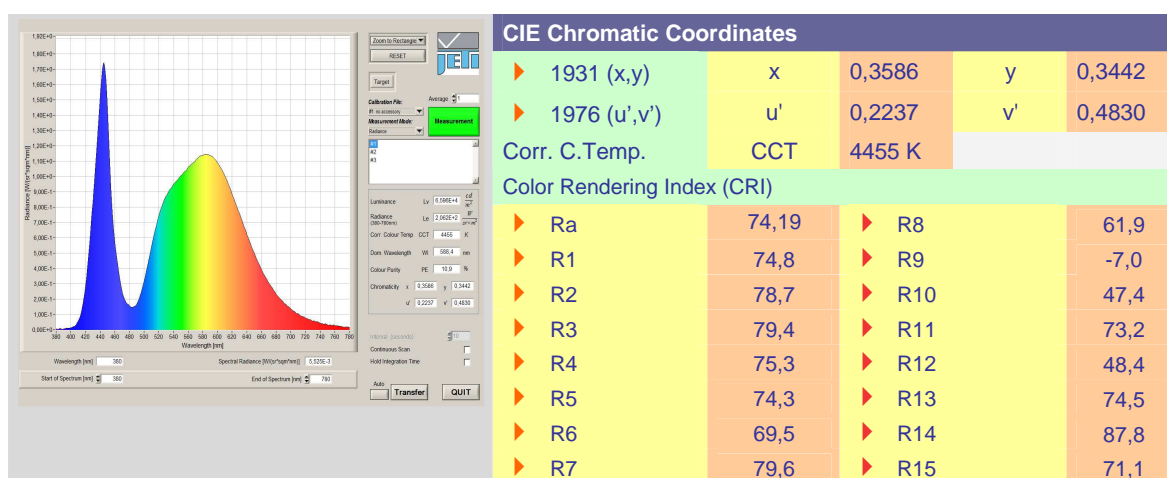
Measurement Description	1. The colorimetric measurement is performed in fixed positions.
-------------------------	--

2.1 Results of Colorimetric Measurements at a Distance of 4.54 m

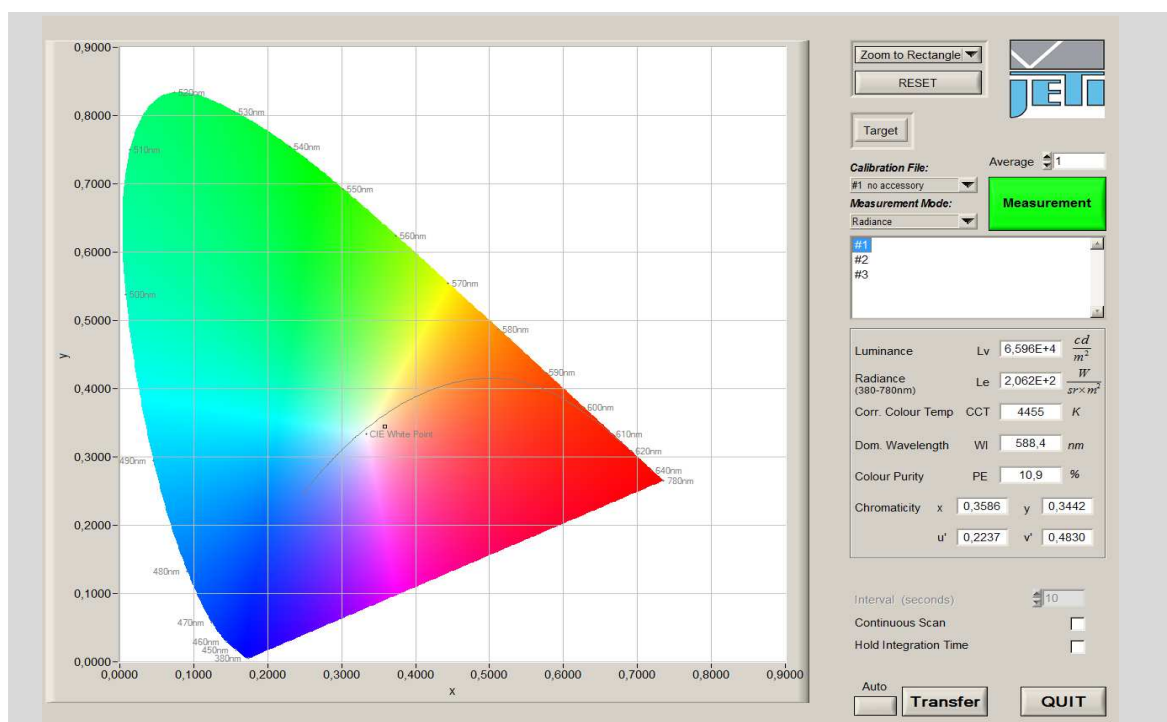
2.1.1 Average values

CIE Chromatic Coordinates				
▶ 1931 (x,y)	x	0.3755	y	0.3671
▶ 1976 (u',v')	u'	0.2258	v'	0.4965
▶ Correlated Color Temperature	CCT	4066 K		
▶ Delta(u' v')		0.0024		
▶ Ra		72.26		

2.1.2 Values at C-0° - $\gamma = 0^\circ$ on the spectral radiance graph



2.1.3 Values at C-0° - $\gamma = 0^\circ$ - on the CIE 1931 graph



2.2 Test Notes

- The data in this report correspond to those obtained as per the above-described test
- This Report only concerns the sample under trial
- The information contained in this report cannot be extended to other sample luminaires that differ in any way from those used in this test
- The Test Report Code is shown on the luminaire shield and reflector and cannot be deleted

	
Approved by Laboratory Director (PT-DLAB)	Approved by Laboratory Technician