



PHILIPS INNOVATIVE APPLICATIONS N.V.
 Quality Department Lighting Turnhout
 Steenweg op Gierle 417
 2300 Turnhout
 Belgium

Report nr : G2202021.2101
 Date of test : 22/02/2021 13:14:09
 Testfacility : G / 01
 Operator : 4929
 Phone : 00 32 (0)14 40 79 86
 :

SPECTRORADIOMETRIC TEST REPORT

<u>Submitter</u>		<u>Responsible person</u>		<u>Measuring Equipment</u>	
Name	:	Name	:	none	7
Address	:	Dep. nr.	:		0
Account nr.	:				
Department	:				

<u>Lamp Data</u>		<u>Measuring Conditions</u>	
Lamp type	: LAMP, HPA 1000/20	Measurement type	: irradiance
12NC	: 9280 756 06000	Spectral Range [nm]	: 200-460
Lamp / Test nr.	: QDL / A1	Supply frequency [Hz]	: 50
Kis nr	: / BT	Pre burn time [h:mm:ss]	: 0:11:44
Ballast	: HPA1000/20 (ref)	Meas duration [h:mm:ss]	: 0:00:13
Correction capacitor	: No μ F	Setting on	: U _{sup}
Ignitor	: Yes	Setting on value	: 220
Luminaire	: Yes	Accuracy	: Acc. quality manual
Life time	: 0 h.	Measuring distance [m]	: 2
		Report quantities calculated at	: 1 m

<u>Lamp Mounting</u>	
Burning position	: Horizontal

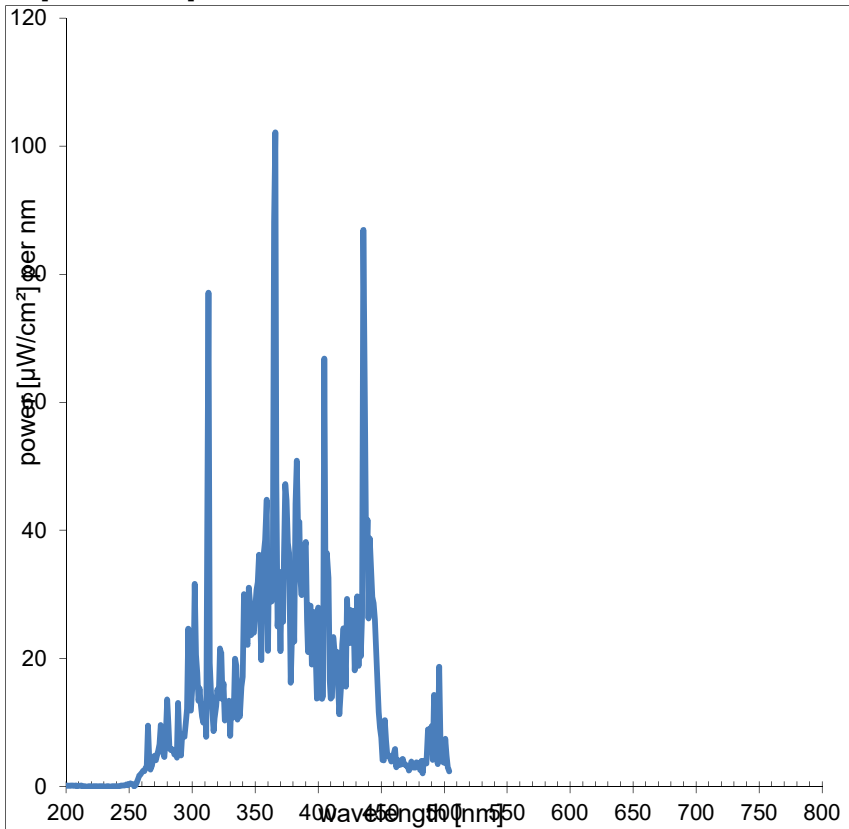
<u>Remarks</u>

<u>Measured electrical parameters</u>				<u>Measured electrical parameters</u>			
Parameter	Value		requirement	Parameter	Value		requirement
U _{sup}	: 220.1	V		U _{ext}	:	V	
I _{sup}	:	A		U _{reign+}	: 180	V	
P _{sup}	:	W		U _{reign-}	: -180	V	
P _{factsup}	:			U _{peak}	:	V	
U _{Imp}	: 125.4	V	ok	U _{ign}	:	V	
I _{Imp}	: 10.179	A	ok				
P _{Imp}	: 1107.5	W	ok				
P _{factImp}	:						

<u>Calculated Results UV Spectrum (200-450)</u>					
uva	: 2288.169	μ W/cm ²		fda1	: 2228.7289 μ W/cm ²
uvb	: 501.1874	μ W/cm ²		fda2	: μ W/cm ²
uvc	: 111.3601	μ W/cm ²		fda3	: μ W/cm ²
photocopy diazo	: 2439.959	μ W/cm ²		erythemA	: 1.518633 μ W/cm ²
P _{blue}	: 920.2455	μ W/cm ²		erythemB	: μ W/cm ²

<u>Measured colorimetric parameters (cell)</u>				Sign as correct,	
Parameter	Value		requirement	Quality & Measurement Facilitator	Calibrator
Luminous Flux	:	lm		I. Horrevorst	R. Jacobs
Chromaticity coordinates					
x	:				
y	:				
Efficacy	:	lm/W			
Red	:	%			

Spectral power distribution of LAMP, HPA 1000/20



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MEASUREMENT RESULTS PHOTOMETRIC PARAMETERS

Luminous Flux : lx
 Chromaticity coordinates (calculated)
 x : 0.1565
 y : 0.0304
 Correlated colour temp : K
 Colour rendering (Ra8) :
 Radiated Power : μW/cm²

TEST CONDITIONS

Burning position : Horizontal
 Life time : 0 h.
 U lamp : 125.4 V
 I lamp : 10.179 A
 P lamp : 1107.5 W
 U mains : 220.1 V
 Remarks :