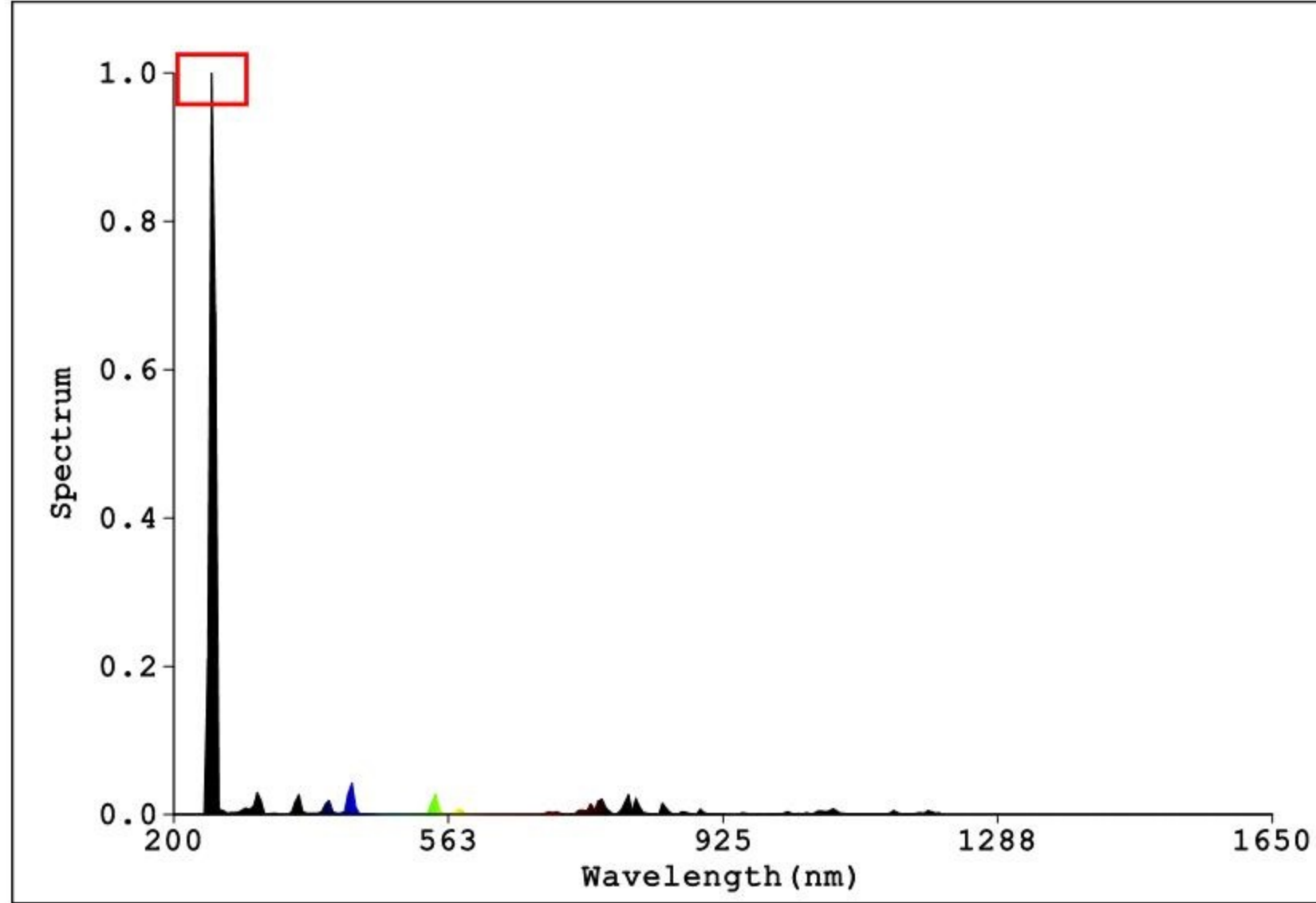


Radiation Photobiological Safety Report

Model : **LX-UVCDL150**
 Number : PDG200715001-1K
 Manufacturer: Luxglo
 Tester : Will Wang *Will.Wang*
 Date : 2020-07-15

Instrument : OST-300(EVERFINE)
 Temperature : 26.4deg
 RH : 27%
 Remarks : IEC 62471:2006
 B(L) & R(L)



LB RFOV (mrad)	Measured (W/m2/sr)	Limit (W/m2/sr)
100(Exempt Risk Group)	5.553e0	1.000e2
11(Risk Group 1)	1.038e1	1.000e4
1.7(Risk Group 2)	1.049e1	4.000e6
LR RFOV (mrad)	Measured (W/m2/sr)	Limit (W/m2/sr)
11(Exempt Risk Group)	1.205e2	2.800e5
11(Risk Group 1)	1.205e2	2.800e5
1.7(Risk Group 2)	1.218e2	7.100e5

Color Parameters:

Chromaticity Coordinate: $x=0.2273$ $y=0.2499$ $u'=0.1640$ $v'=0.4057$ $Tc=91440K$

Dominant WL: $Ld=480.7nm$ **Peak WL: $Lp=250.0nm$** Purity=43.3% Red Ratio: $R=0.8\%$

Render Index: $Ra=13.1$ FWHM=9.5nm

R1 =5 R2 =15 R3 =-7 R4 =9 R5 =23 R6 =6 R7 =35
 R8 =18 R9 =-250 R10=-119 R11=1 R12=-15 R13=2 R14=34 R15=2

Photo Parameters(CX Condition:Muti Test):

Distance = 200.0mm

Alpha = 0.1000rad

$E = 341.4lx$ UV Ratio = 45381.1 mW/m2/klx

$E_s = 6.646e0 W/m^2$ * $T_{max_Es} = 5s$

$E_b = 7.261e-1 W/m^2$ T_{max} is not needed

$E_{uva} = 6.005e-1 W/m^2$ $T_{max_Euva} > 1000s$

$E_{ir} = 1.495e1 W/m^2$ $T_{max_Eir} > 1000s$

$E_h = 1.777e1 W/m^2$ $T_{max_Eh} > 10s$

LB(1.7mrad) = 1.049e1 W/m2/Sr $T_{max_LB} > 10000s$

LR(1.7mrad) = 1.218e2 W/m2/sr $T_{max_LR} > 10s$

$L_{ir} = 2.431e0 W/m^2/Sr$ (T_{max} is not needed)

Result:

Lamp Type: Risk Group 3

Additional Parameters:Euva Euva: 718.62 mW/m²Euvb Euvb: 639.05 mW/m²Eucv Eucv: 14305 mW/m²Euva_eff Euva_eff: 0.47114 mW/m²Euvb_eff Euvb_eff: 115.21 mW/m²Eucv_eff Eucv_eff: 6544.7 mW/m²