



BARCELONALED ILUMINACION S.L.
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Spectral test report for lamp

Product type : LED Floodlight
Product No. : B1850-50W-N (BF)
Manufacturer : BLED

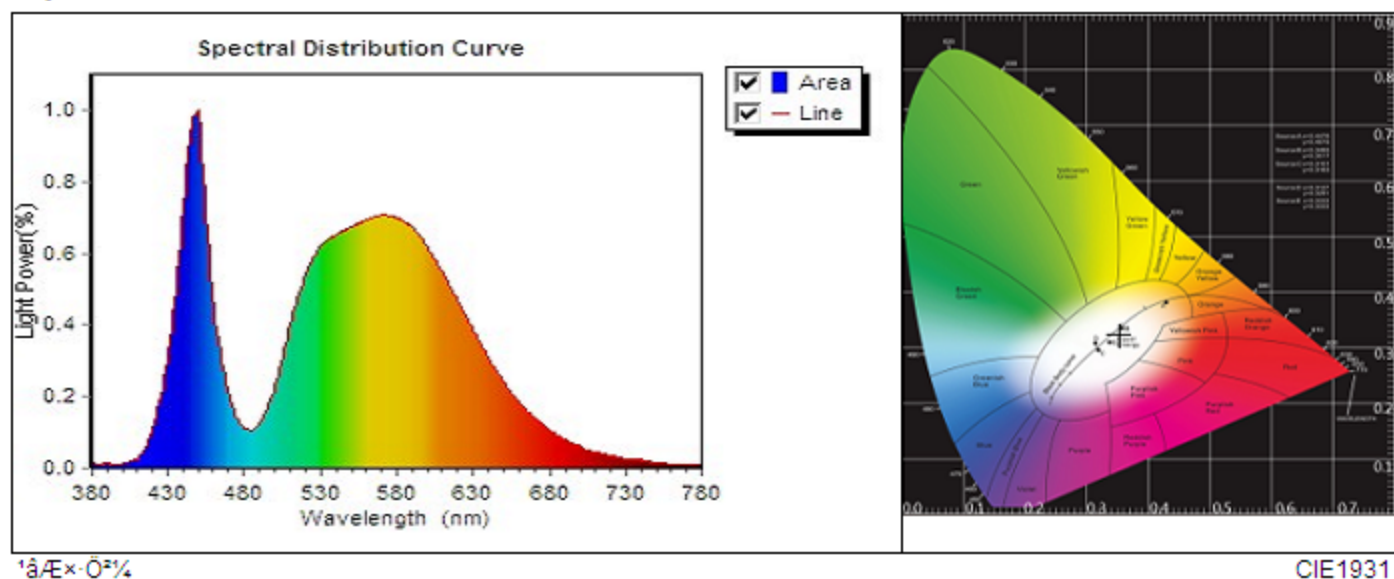
Test date. : 2024-07-18
Test equipment: SPEC2000A Spectrometer
Operator. : SERGI

Test Condition

Temperature : 25.0Deg C
Test range : 380nm-780nm

Humidity : 65%
Peak AD. : 47596 (72.6%)
Integral time. : 60ms

Spectral Parameter



CIE Color Parameter

Chromaticity coordinates: $x=0.3473$ $y=0.3625$ $u=0.2088$ $v=0.3268$ ($duv=0.0045$)
Color temperature: $TC=4956$ K Color difference: $SDCM=1.2$ Main Wavelength: $\lambda_d=484.07$ nm Purity: $Purity=0.252$
Peak wavelength: $\lambda_p=447.9$ nm FWHM: $\Delta\lambda_p=23.6$ nm Color ratio: $R=15.28\%$ $G=82.15\%$ $B=2.56\%$

Color rendering index (Ra): $Ra=70.3$

$R1=67.2$ $R2=74.8$ $R3=80.7$ $R4=71.0$ $R5=67.7$ $R6=65.2$ $R7=80.6$ $R8=54.6$
 $R9=-37.9$ $R10=40.2$ $R11=67.3$ $R12=37.9$ $R13=69.0$ $R14=89.0$ $R15=61.0$

Optical Parameter

Luminous flux: 4557.575 lm luminous efficiency: 88.5 lm/w Radiant flux: 13.3406 W

Electrical Parameter

Voltage: 230.0 V Current: 0.239 A Watts: 51.50 W Power factor: 0.934

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Hangzhou Huipu Instrument Co., Ltd. <http://www.measurefine.com>