

Commission test report

Report No.: GZES151011207631

Date: 2015-11-02

The following sample(s) was/were submitted and identified on behalf of the client as:

Applicant: Shenzhen Brillloop Lighting Co., Ltd.
6F, B6 Building, Junfeng Industrial Park, Yonghe Road, Fuyong, Baoan District,
Shenzhen, Guangdong, China

Manufacturer: Same as applicant

Testing location/address: SGS-CSTC Standards Technical Services Co., Ltd. - E&E Lab Guangzhou
198 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology
Development District, Guangzhou, Guangdong, China 510663

The standards: According to the client's requirement
IES LM-79-08

Test item description: LED Floodlight

Trade Mark: **Brillloop**

Model/Type for test: BLP-FL48W04(4000 K)

Ratings: 100 - 240 Va.c., 50/60 Hz, 50 W

Test result : See the result in page 3

Remark: This is the commission test report.
Throughout this report a comma (point) is used as the decimal separator.
When determining for test conclusion, measurement uncertainty of tests has
been considered.



Ivory Lu
Reviewer
E&E Safety Laboratory

Tim Ding
Project Engineer

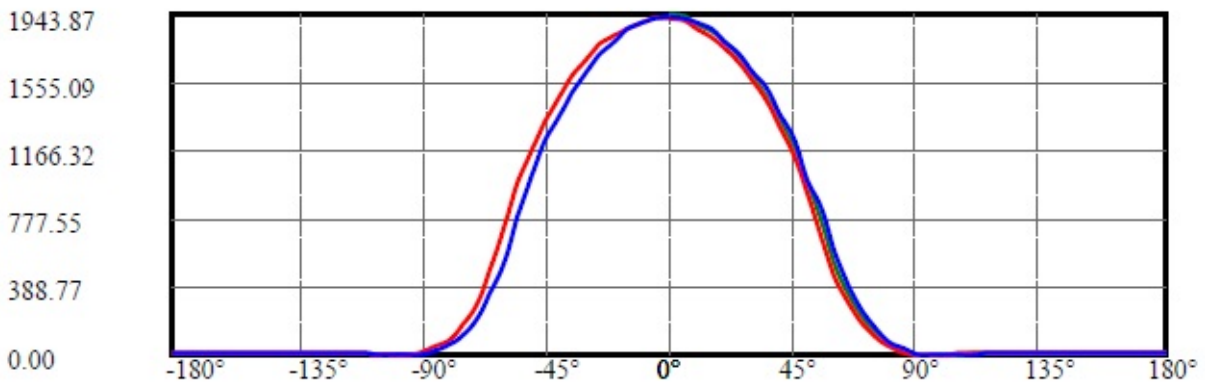
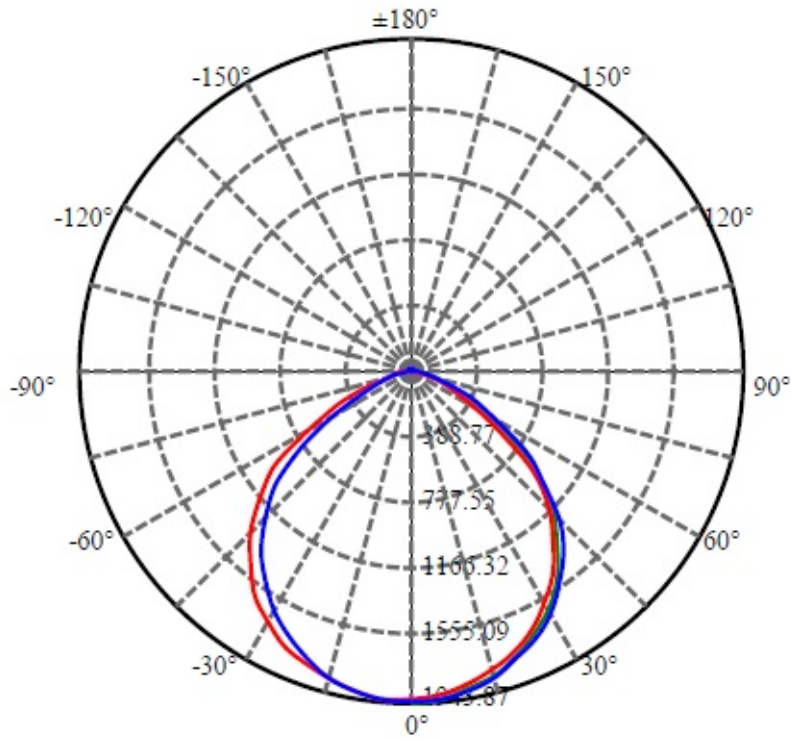
<p>Copy of marking plate</p> <p>N/A</p>
<p>Summary of testing:</p> <p>Tests were performed according to particular requirements of client. The tests were conducted under 230 V~, 50 Hz under client's requirement.</p>

<p>Test item particulars</p> <p>Lamp cap —</p> <p>Lamp identification —</p> <p>Commission received from Applicant</p> <p>Date 2015-09-30</p> <p>Ambient temperature 25 °C</p> <p>IP number —</p>
<p>Possible test case verdicts:</p> <p>- test case does not apply to the test object..... : N/A (not applicable)</p> <p>- test object does meet the requirement : P (Pass)</p> <p>- test object does not meet the requirement : F (Fail)</p>
<p>Testing</p> <p>Date of receipt of test item..... : 2015-09-30</p> <p>Date (s) of performance of tests..... : 2015-09-30 to 2015-10-20</p>
<p>General product information:</p> <p>The product can emit neutral white light when powered.</p>

Test Results:**BLP-FL48W04(4000 K):**

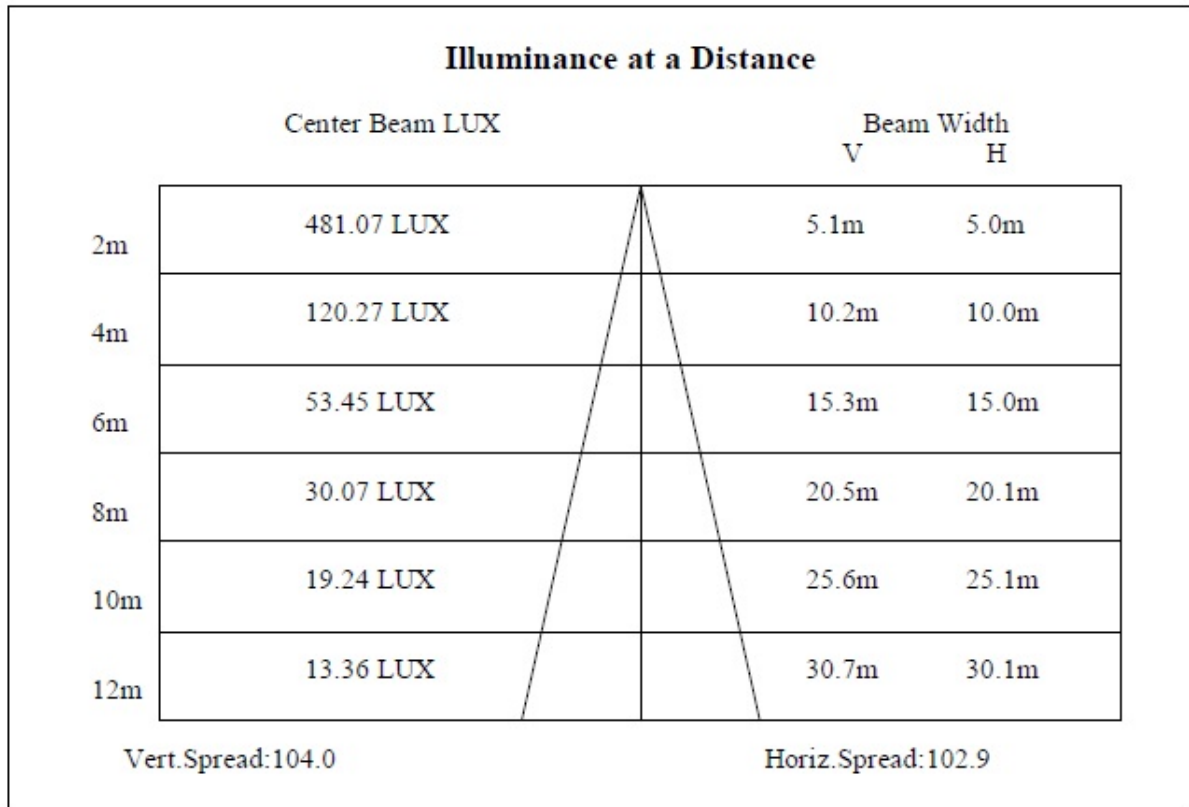
PHOTOMETRIC DATA			
Imax(cd)	1943,87	Icen(cd)	1924,26
Luminous Efficacy	94,41 lm/W	Beam angle	103,40
TOTAL FLUX(lm)	4758,31	CIE type	Direct
η UP(%)	1,10	η DOWN(%)	98,90

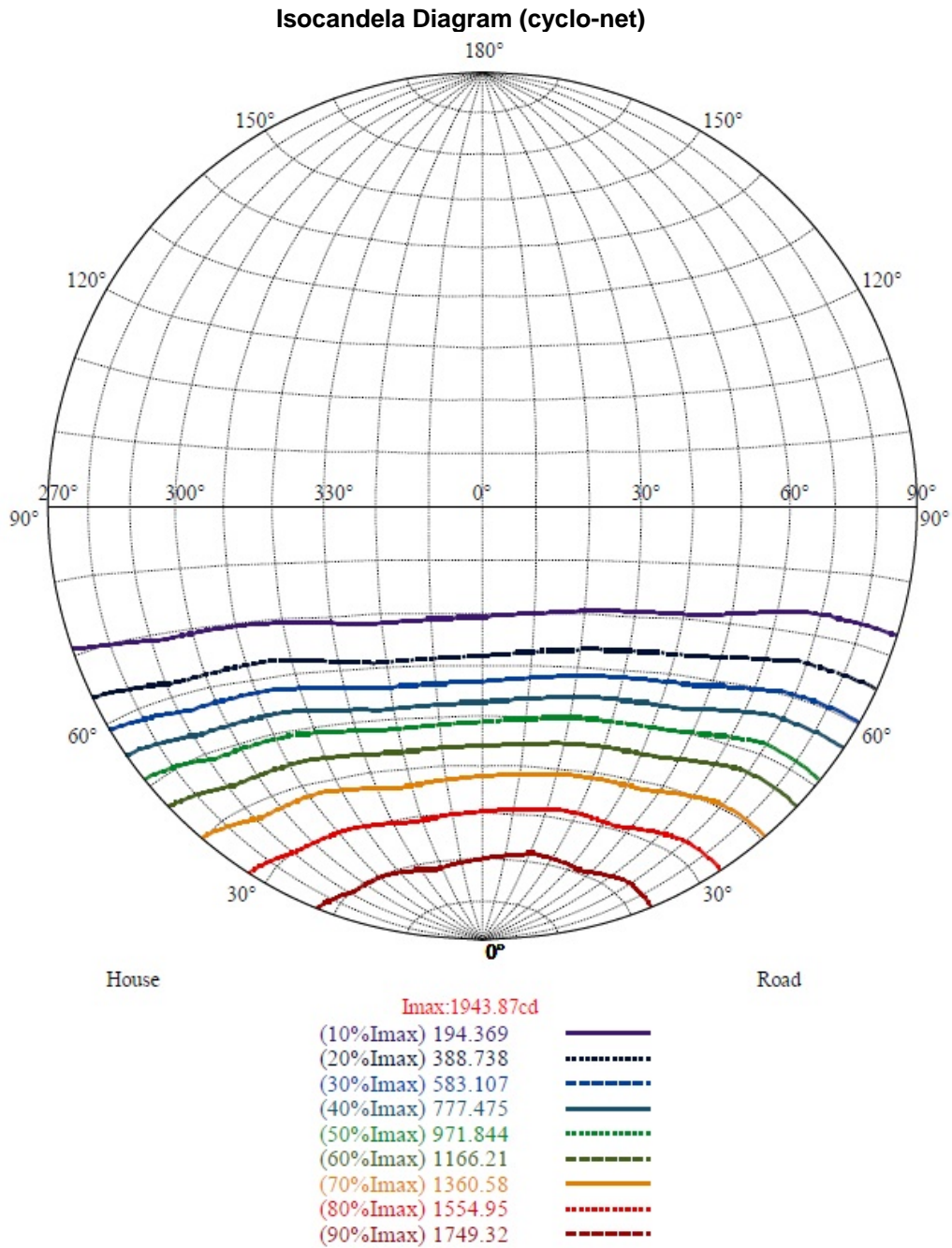
Luminous Intensity Distribution Diagram



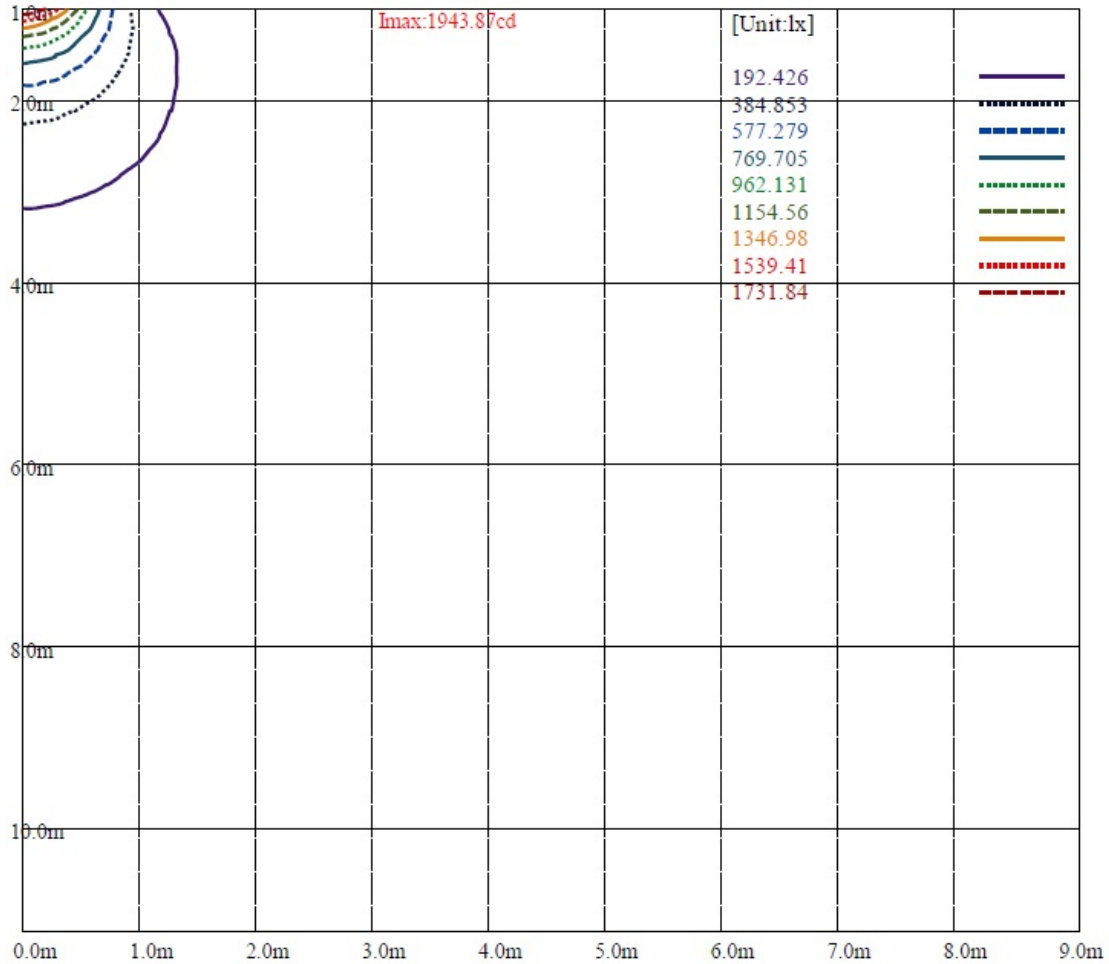
C22.5(Max): —
 C0/C180: —
 C90/C270: —

Lux distance curve

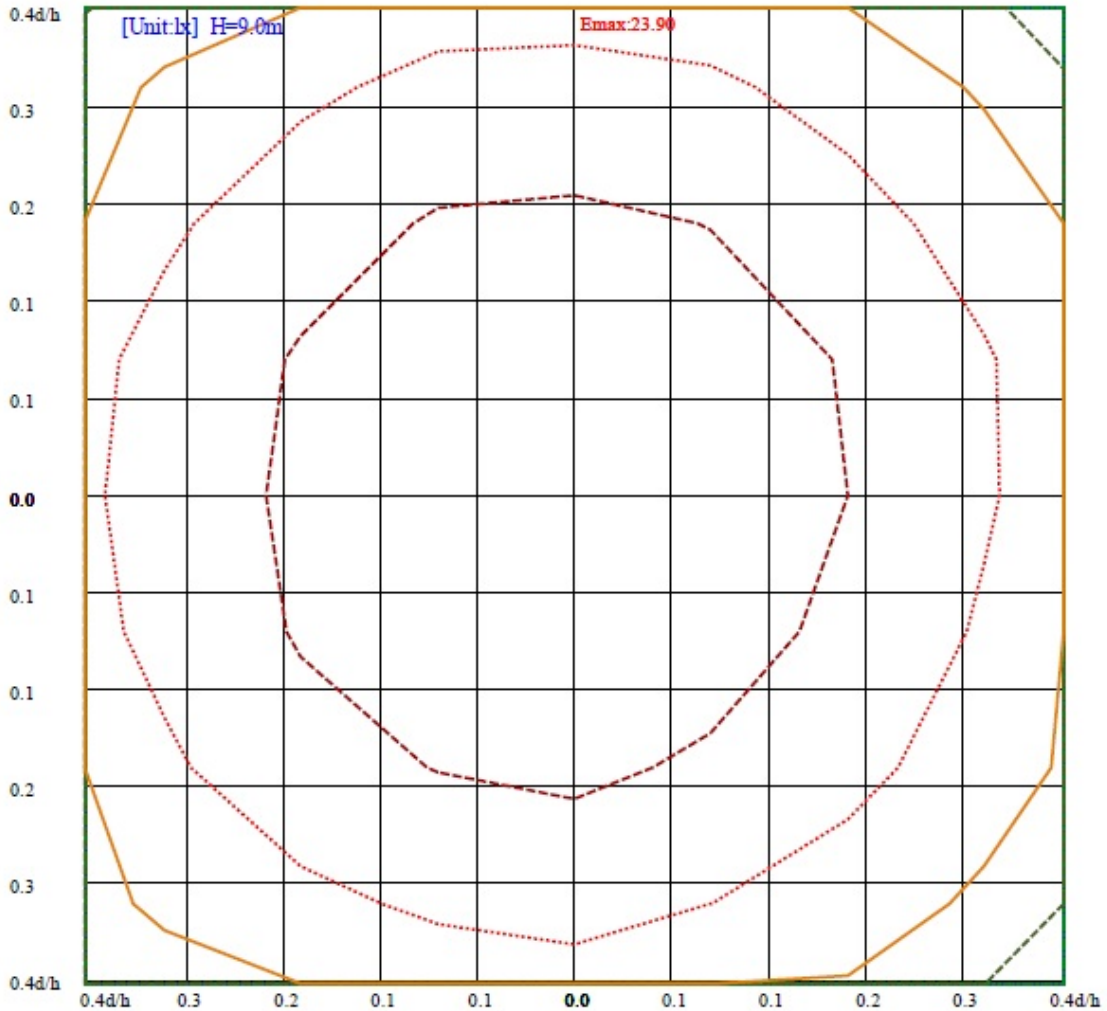




Isolux diagram

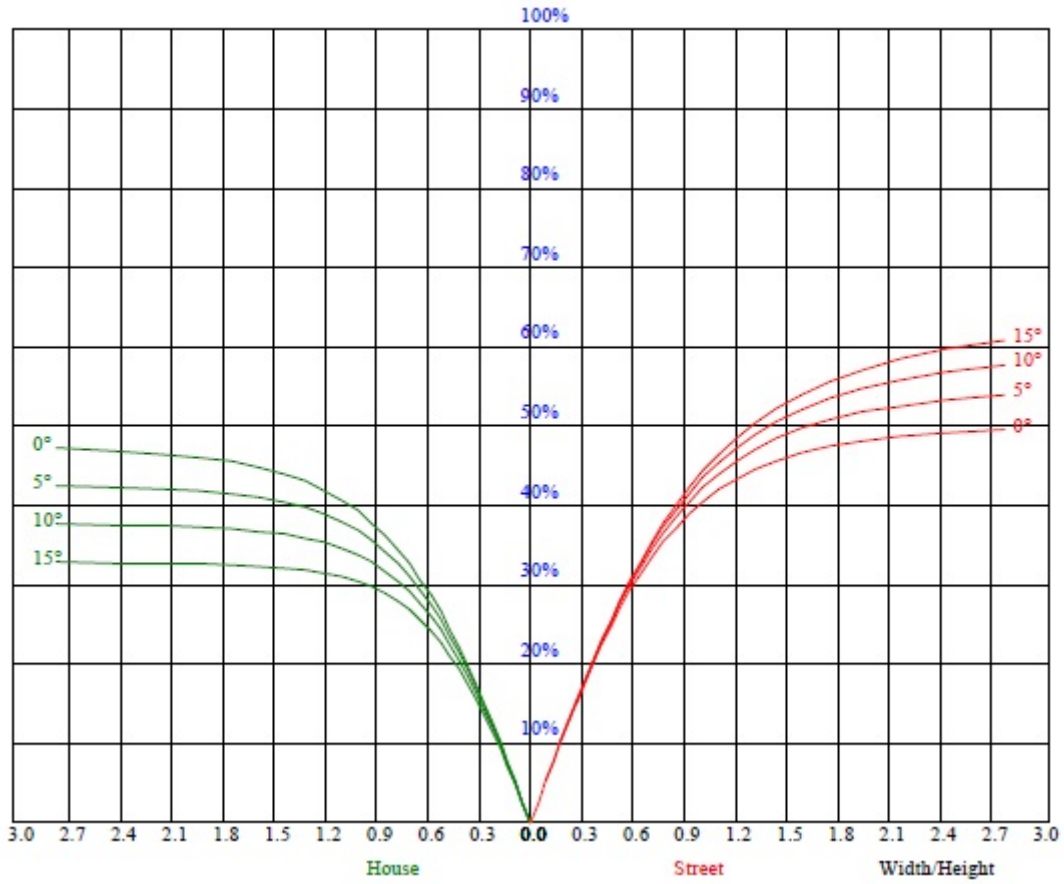


Isocandela diagram



(10%Emax) 2.389901	———
(20%Emax) 4.779815	- - - - -
(30%Emax) 7.169716	- · - · -
(40%Emax) 9.559617	— · — · —
(50%Emax) 11.94953	- · - · -
(60%Emax) 14.33938	- · - · -
(70%Emax) 16.72938	———
(80%Emax) 19.11926	- · - · -
(90%Emax) 21.50914	- · - · -

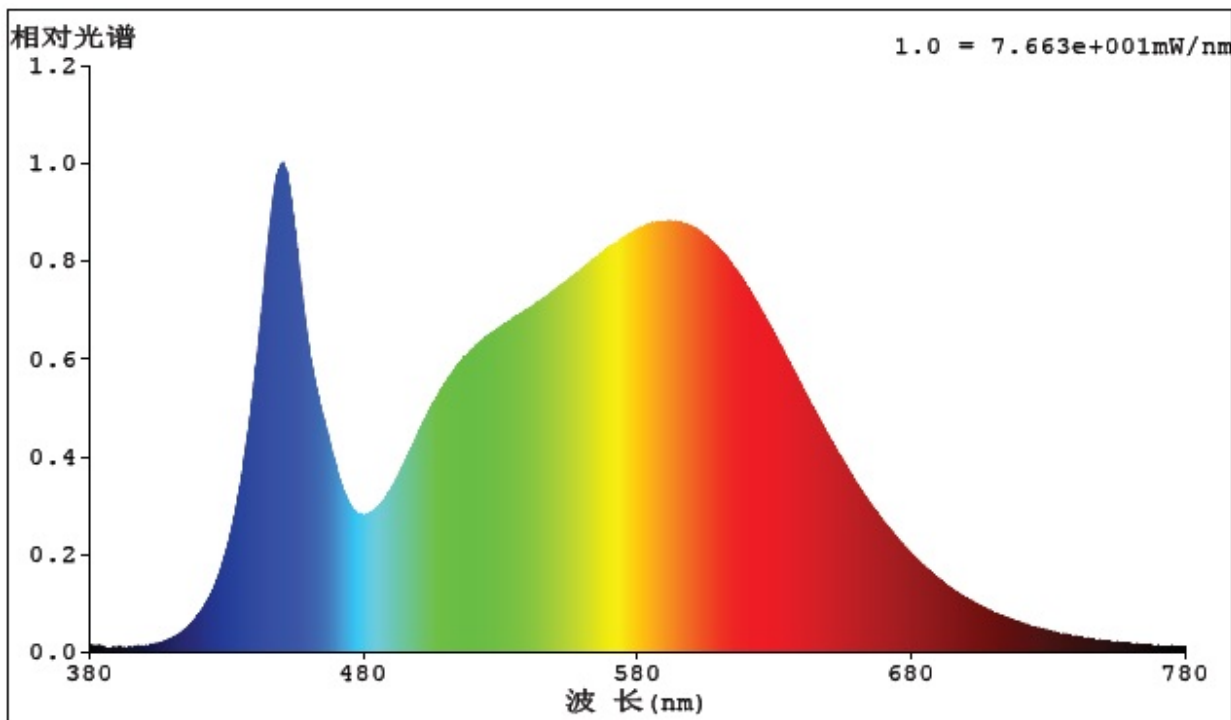
Coefficient Utilization Curve



Test Results:

Luminaire Input Voltage	Input Current	Luminaire Watts	Power Factor
230 V	0,231 A	50,40 W	0,948
Radiant Flux mW	Peak wavelength	Corr.Color Temperature K	Color Rend. Index Ra
12,244 W	451 nm	4231 K	82,7
Chroma x	Chroma y	Chroma u	Chroma v
0,3712	0,3727	0,2207	0,4984

Spectrum distribution:



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ANNEX 1: Photo documentation

Details of: General view for the product



Details of: General view for the product



Details of: General view for the LED

--- End of Report ---