

Commission test report

Report No.: GZES151111385031

Date: 2015-12-08

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-FL120W05(4000 K)

Ratings: 100 - 240 Va.c., 50 / 60 Hz, 120 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

Chang Ye
Project Engineer

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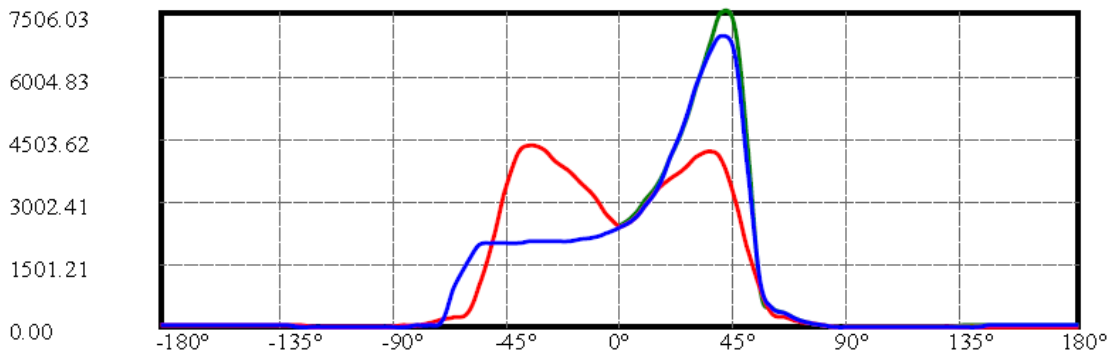
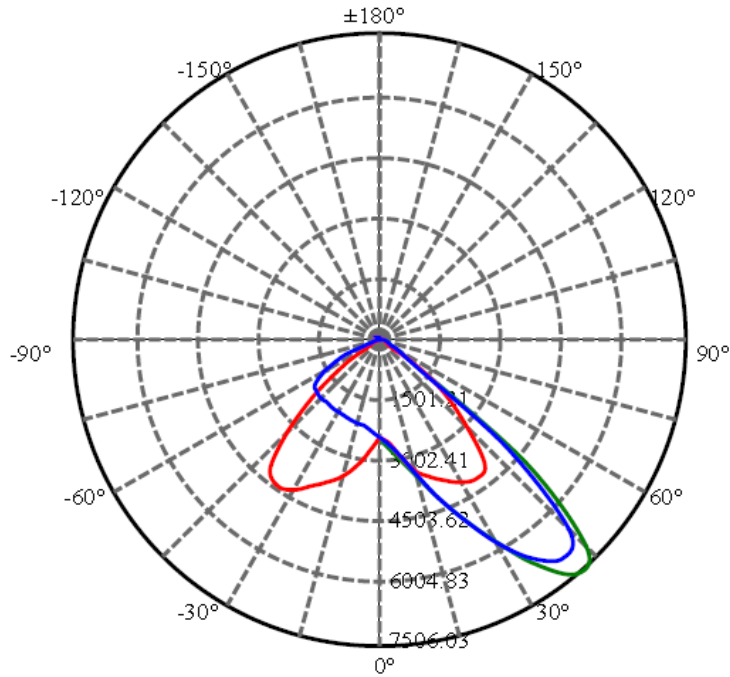
<p>Copy of marking plate N/A</p>
<p>Summary of testing: Tests were performed according to particular requirements of client. The tests were conducted under 230 V~, 50 Hz under client's requirement.</p>

<p>Test item particulars</p> <p>Lamp cap —</p> <p>Lamp identification —</p> <p>Commission received from Applicant</p> <p>Date 2015-11-13</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..... : 2015-11-13</p> <p>Date (s) of performance of tests..... : 2015-11-13 to 2015-11-26</p>
<p>General product information: The product can emit neutral white light when powered.</p>

Test Results:**BLP-FL120W05(4000K):**

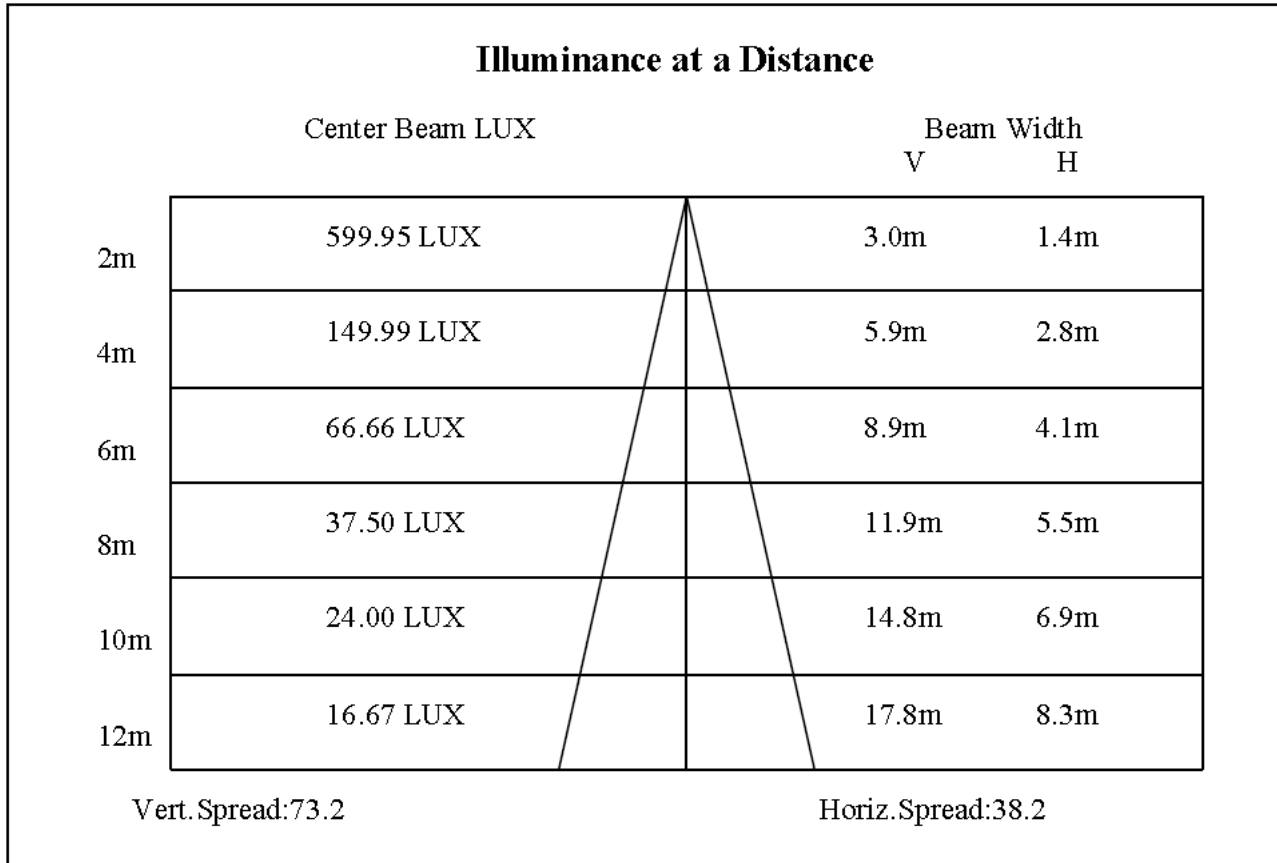
PHOTOMETRIC DATA			
Imax(cd)	7506	Icen(cd)	2400
Luminous Efficacy(lm/W)	94,24	Beam angle(°)	38,8
TOTAL FLUX(lm)	10649	CIE type	Direct
η UP(%)	1,18	η DOWN(%)	98,82

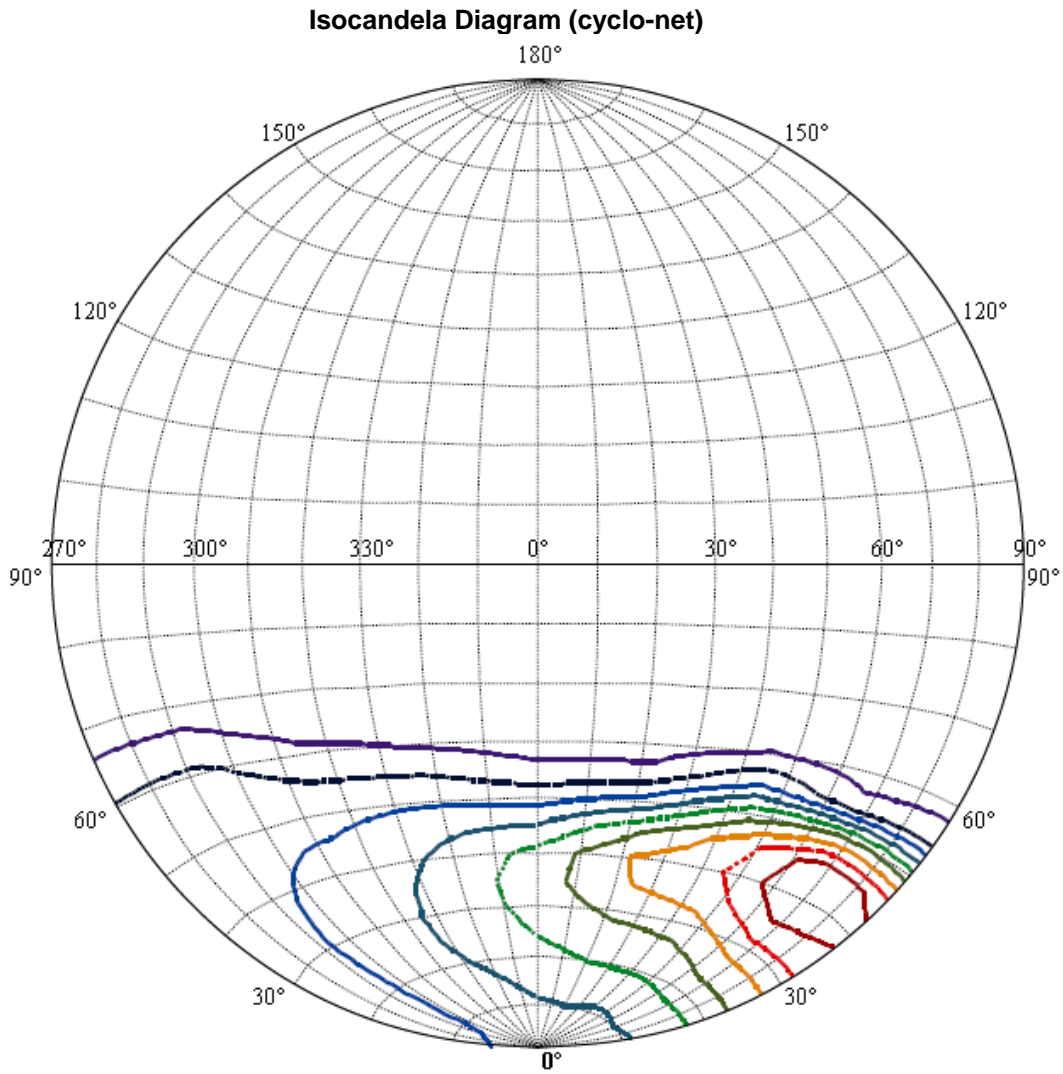
Luminous Intensity Distribution Diagram



C67.5(Max): —
 C0/C180: —
 C90/C270: —

Lux distance curve





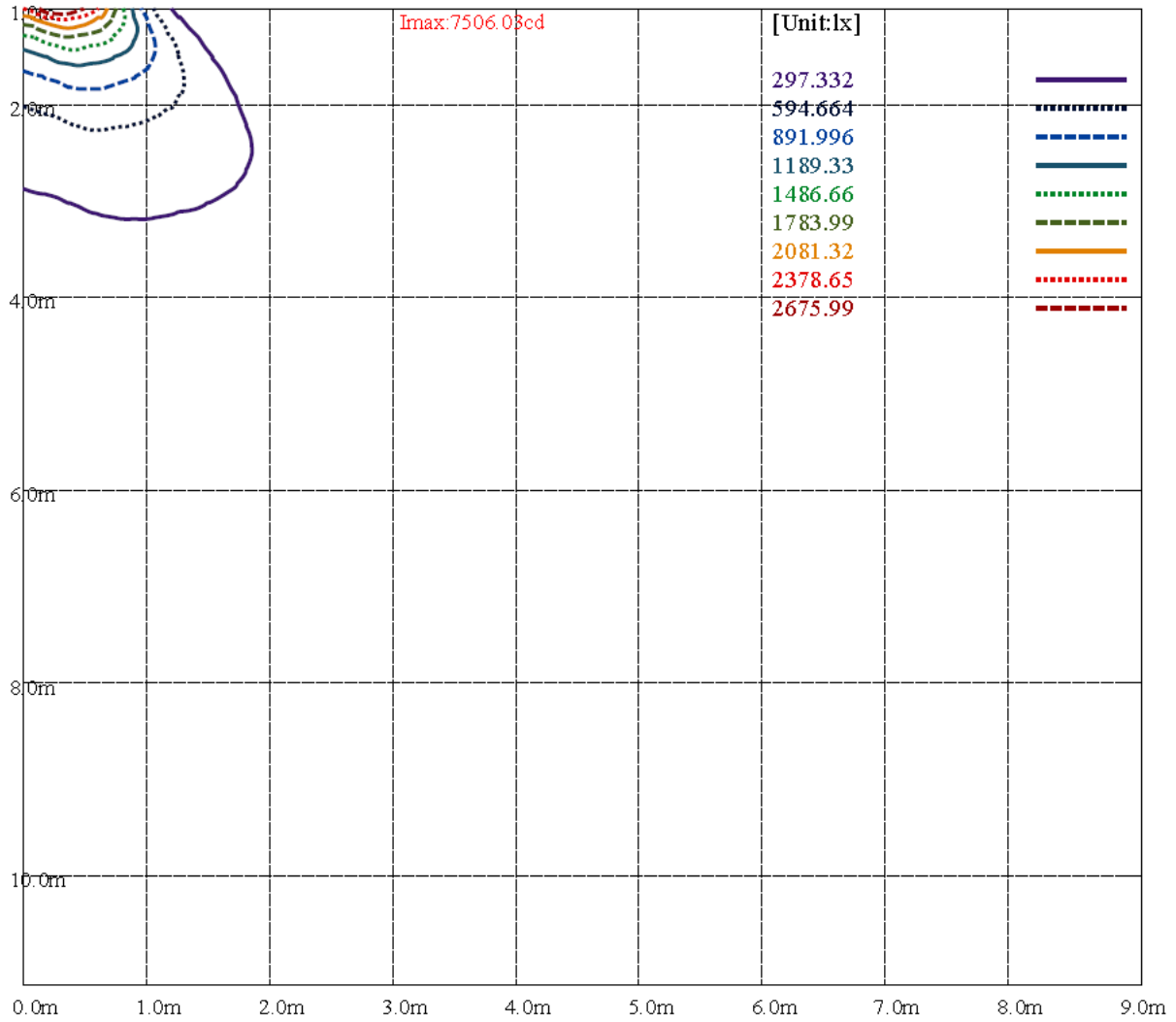
House

Road

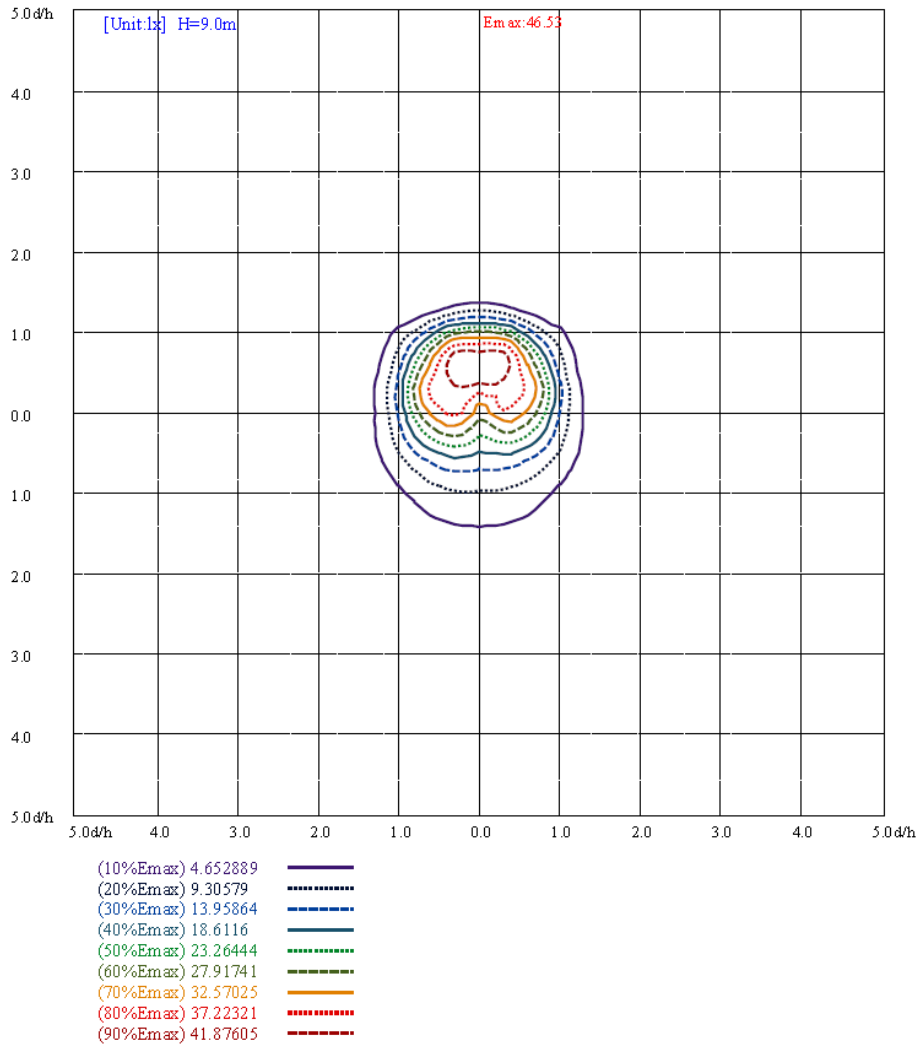
I_{max} : 7506.03cd

(10% I_{max}) 749.395	
(20% I_{max}) 1498.79	
(30% I_{max}) 2248.18	
(40% I_{max}) 2997.58	
(50% I_{max}) 3746.97	
(60% I_{max}) 4496.37	
(70% I_{max}) 5245.76	
(80% I_{max}) 5995.16	
(90% I_{max}) 6744.55	

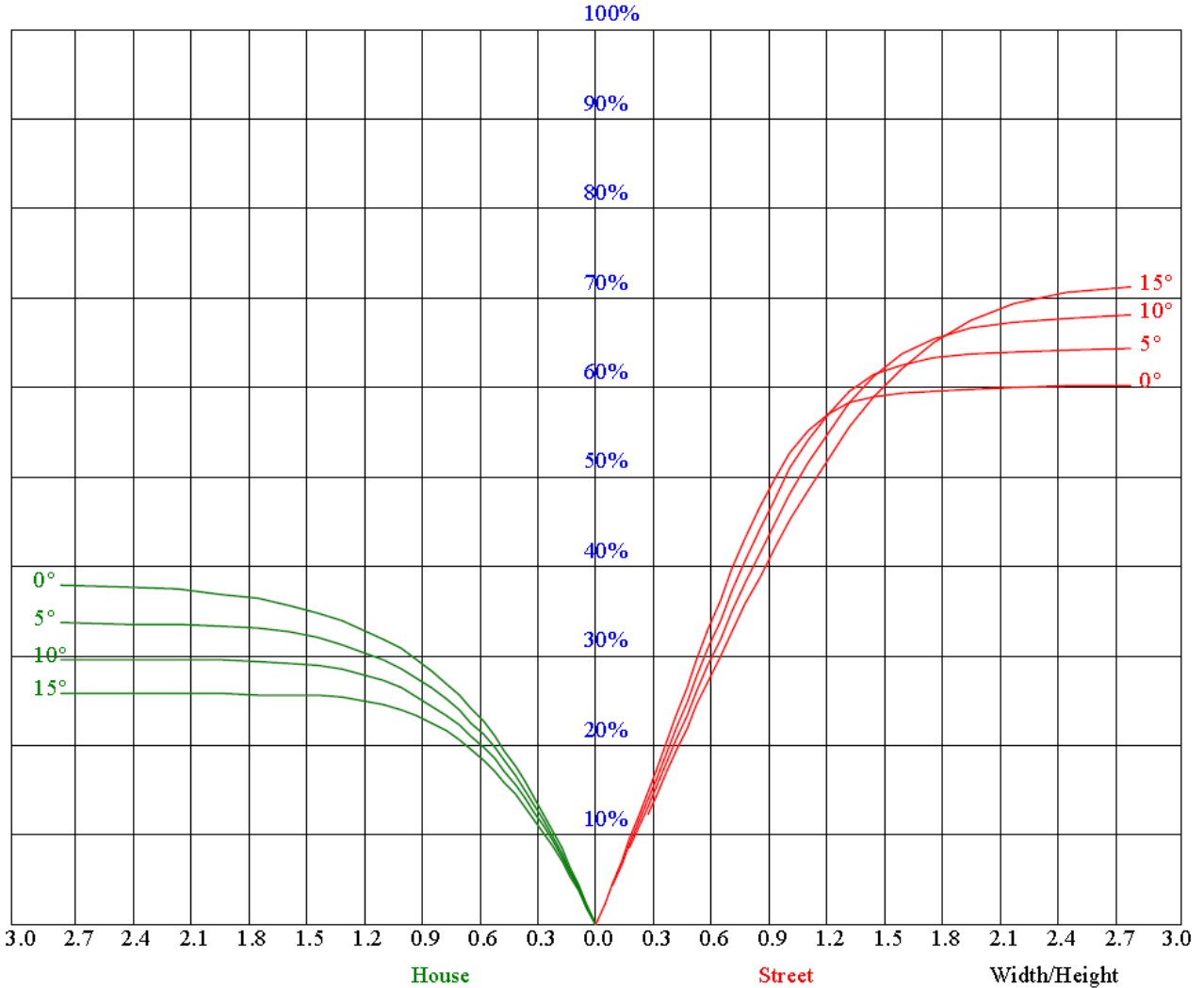
Isolux diagram



Isocandela diagram



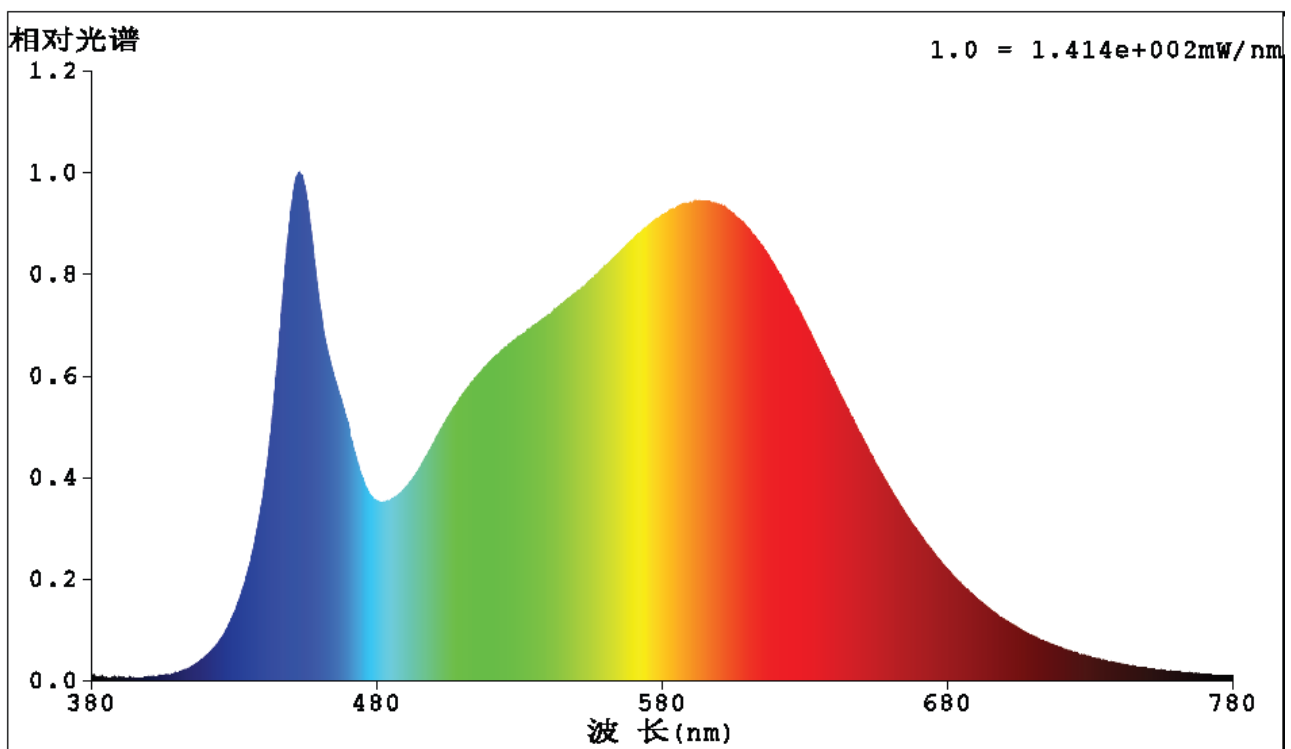
Coefficient Utilization Curve



Test Results:

Luminaire Input Voltage	Input Current	Luminaire Watts	Power Factor
230 V	0,508 A	113 W	0,968
Radiant Flux mW	Peak wavelength	Corr.Color Temperature K	Color Rend. Index Ra
23,63 W	453 nm	4028 K	83,5
Chroma x	Chroma y	Chroma u	Chroma v
0,3781	0,3791	0,2226	0,5023

Spectrum distribution:



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 ---