

## Commission test report

Report No.: GZES151011207431

Date: 2015-10-20

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-FL120W04(4000 K)

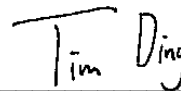
Ratings: 100 - 240 Va.c., 50/60 Hz, 120 W

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



Tim Ding  
Project Engineer

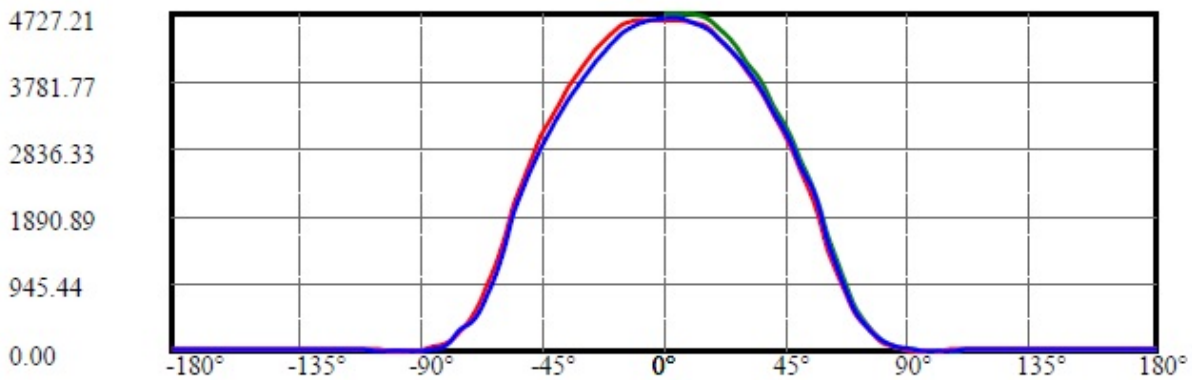
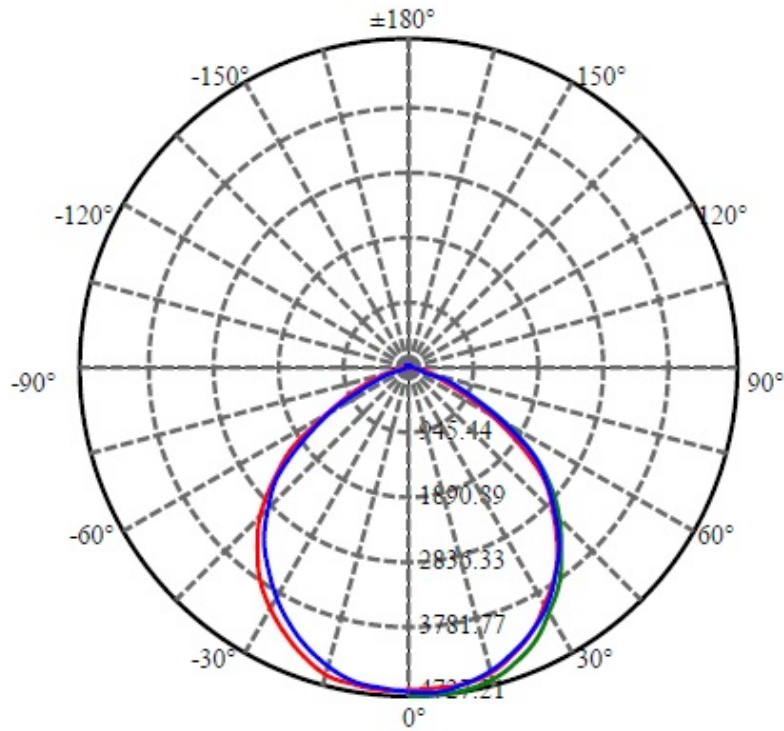
|  |
|--|
| <p><b>Copy of marking plate</b></p> <p>N/A</p>   |
| <p><b>Summary of testing:</b></p> <p>Tests were performed according to particular requirements of client.<br/>The tests were conducted under 230 V~, 50 Hz under client's requirement.</p> |

|   |
|---|
| <p><b>Test item particulars</b> .....</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><b>Possible test case verdicts:</b></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><b>Testing</b></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><b>General product information:</b></p> <p>The product can emit neutral white light when powered.</p>  |

**Test Results:****BLP-FL120W04(4000 K):**

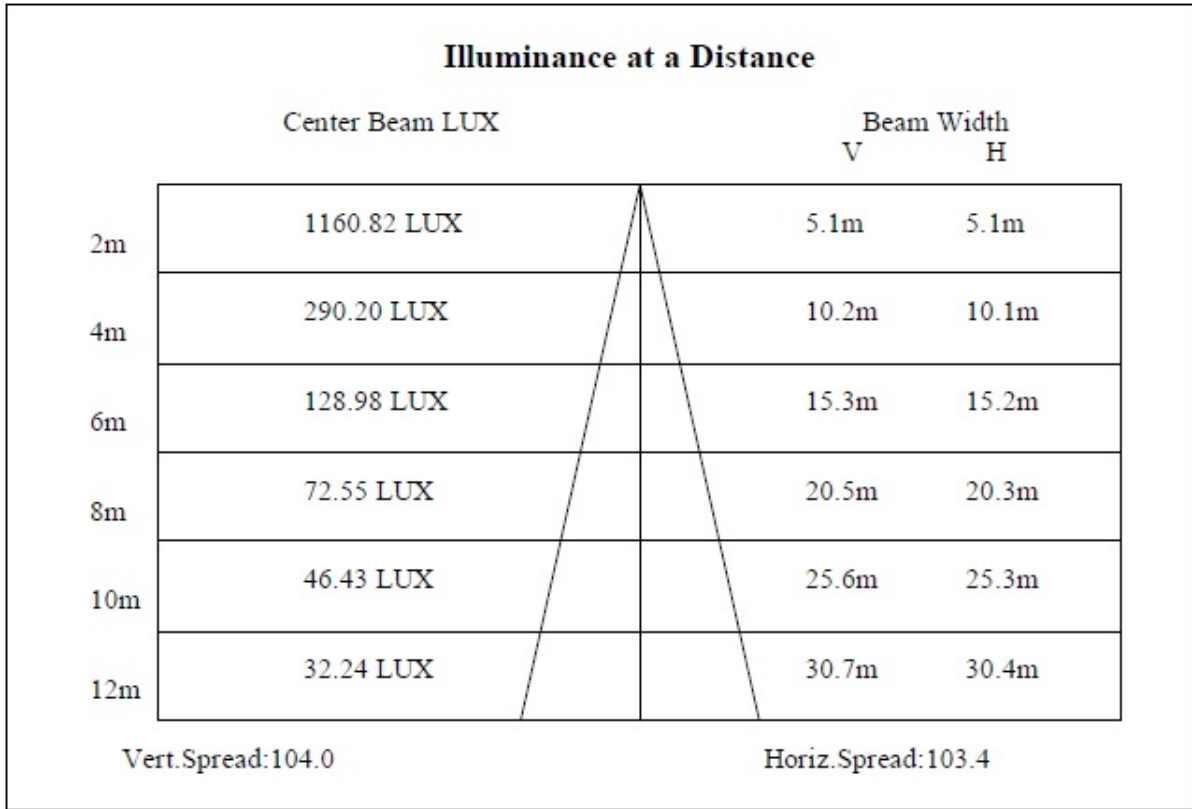
| PHOTOMETRIC DATA  |             |                |         |
|-------------------|-------------|----------------|---------|
| Imax(cd)          | 4727,21     | Icen(cd)       | 4643,27 |
| Luminous Efficacy | 100,07 lm/W | Beam angle     | 103,70  |
| TOTAL FLUX(lm)    | 11578,22    | CIE type       | Direct  |
| $\eta$ UP(%)      | 1,11        | $\eta$ DOWN(%) | 98,89   |

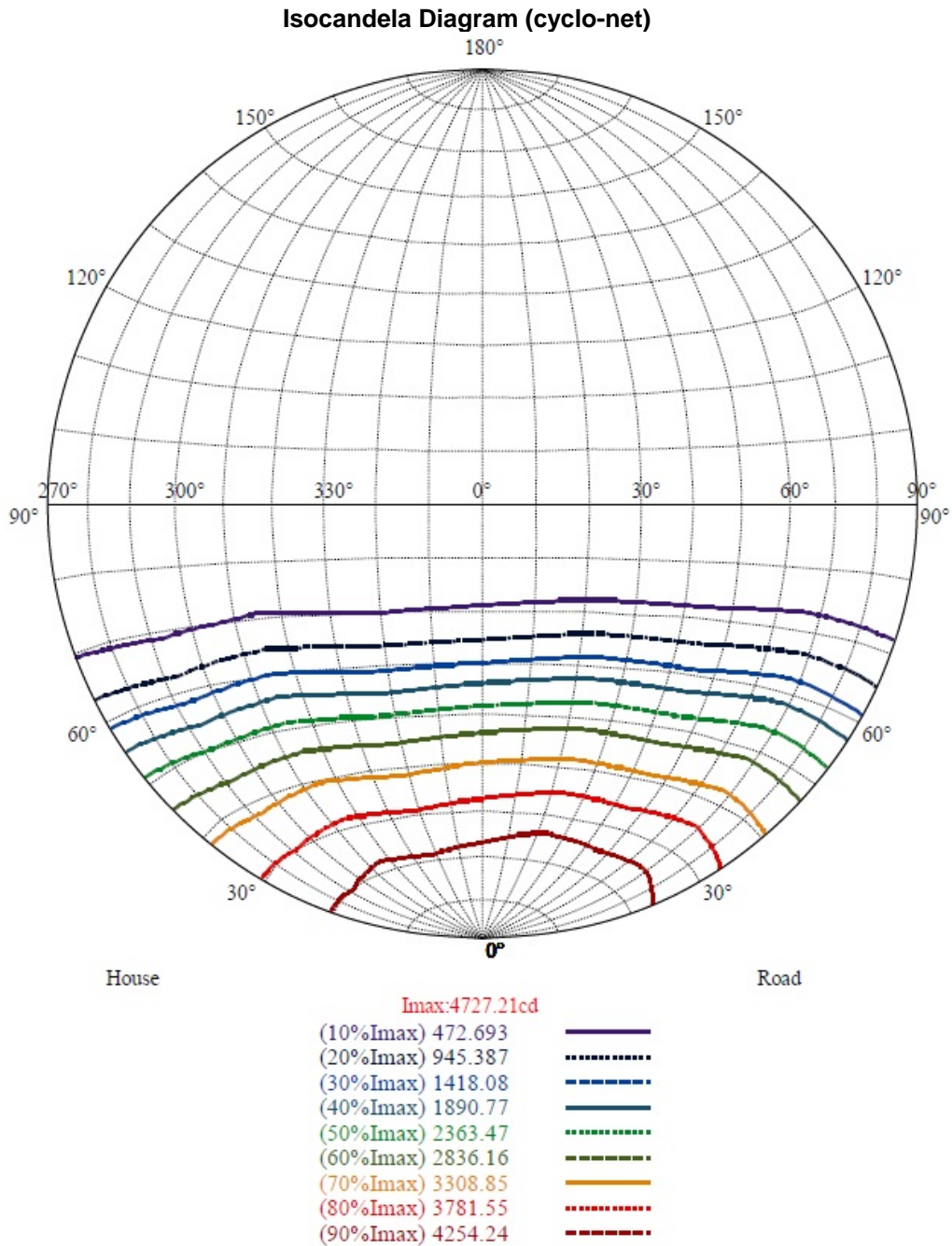
Luminous Intensity Distribution Diagram



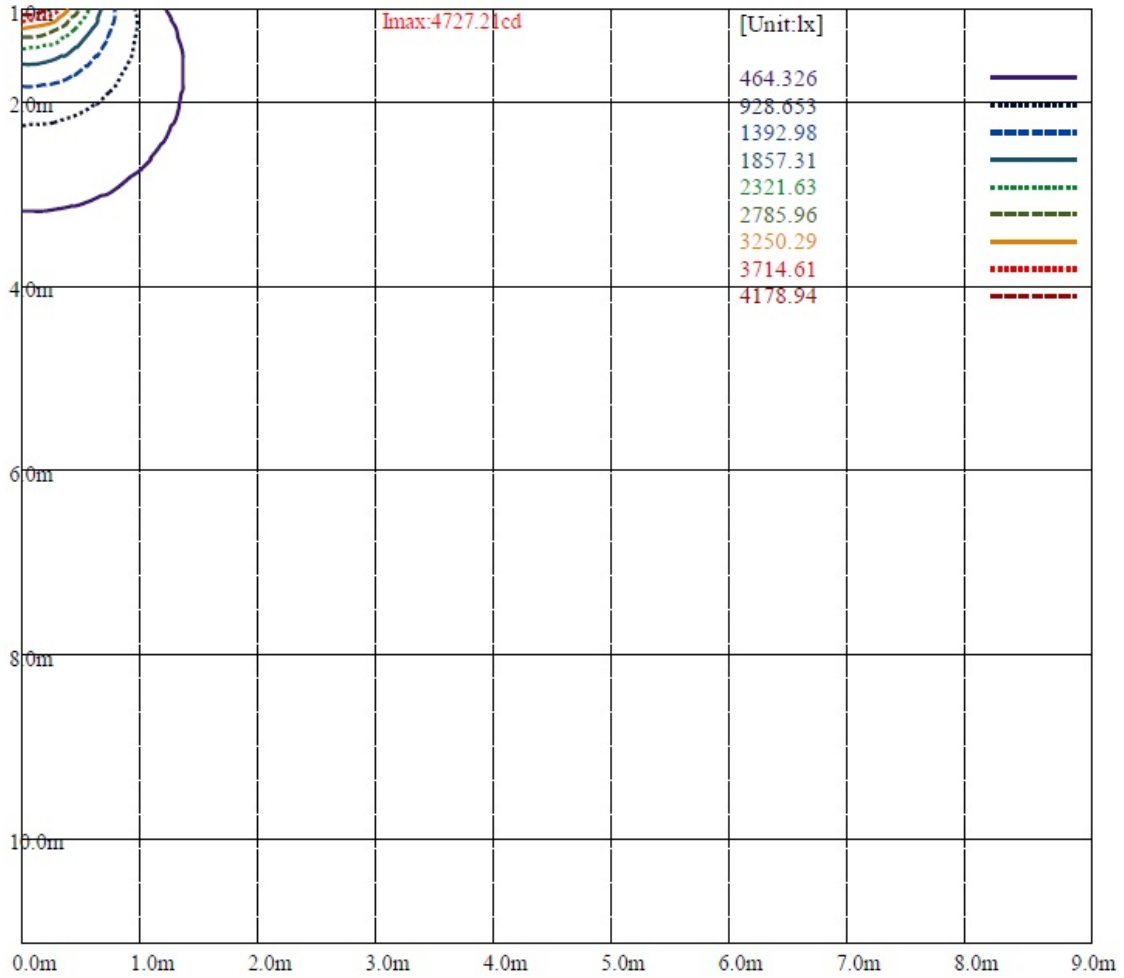
C22.5(Max): —  
 C0/C180: —  
 C90/C270: —

Lux distance curve

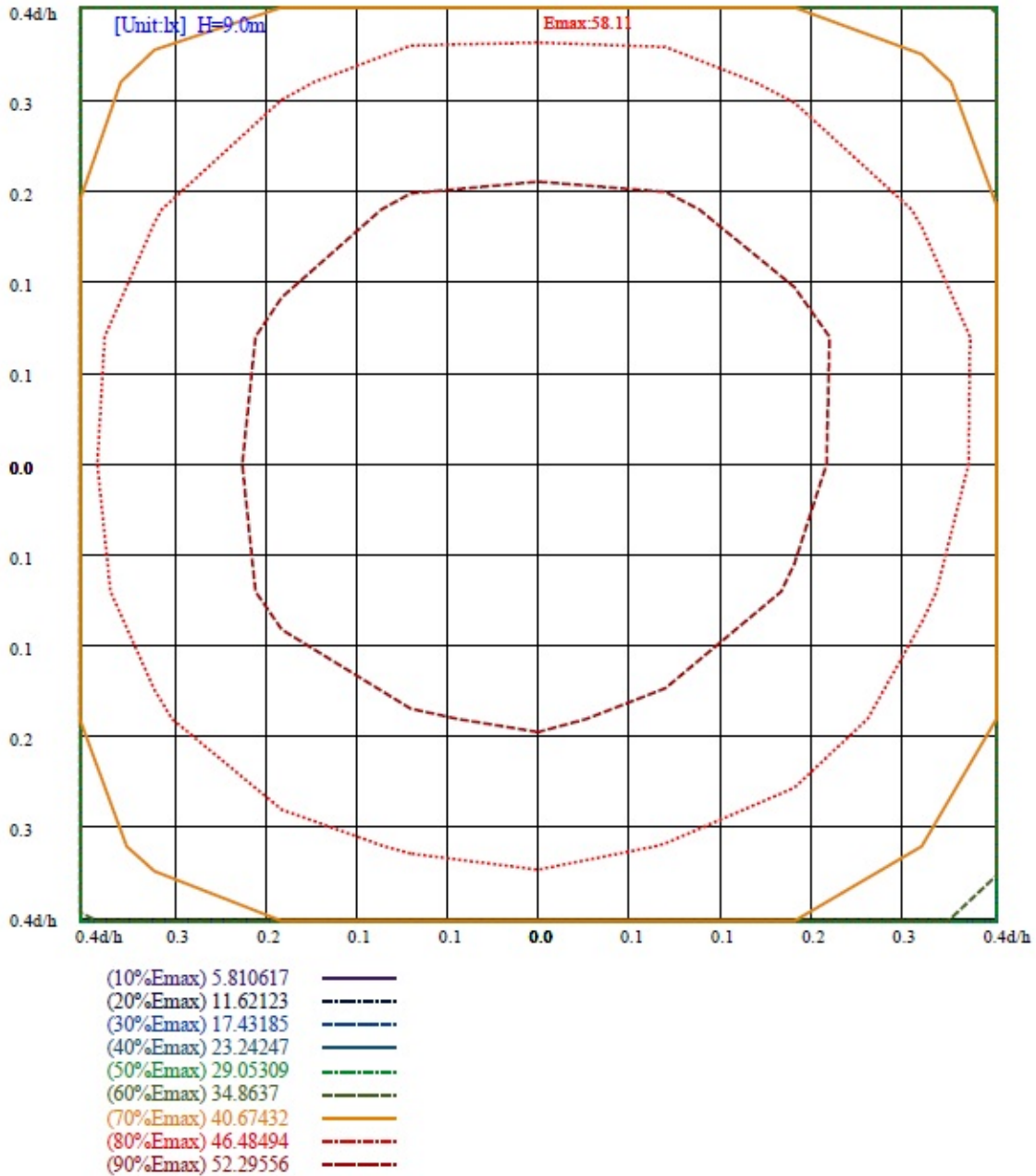




Isolux diagram

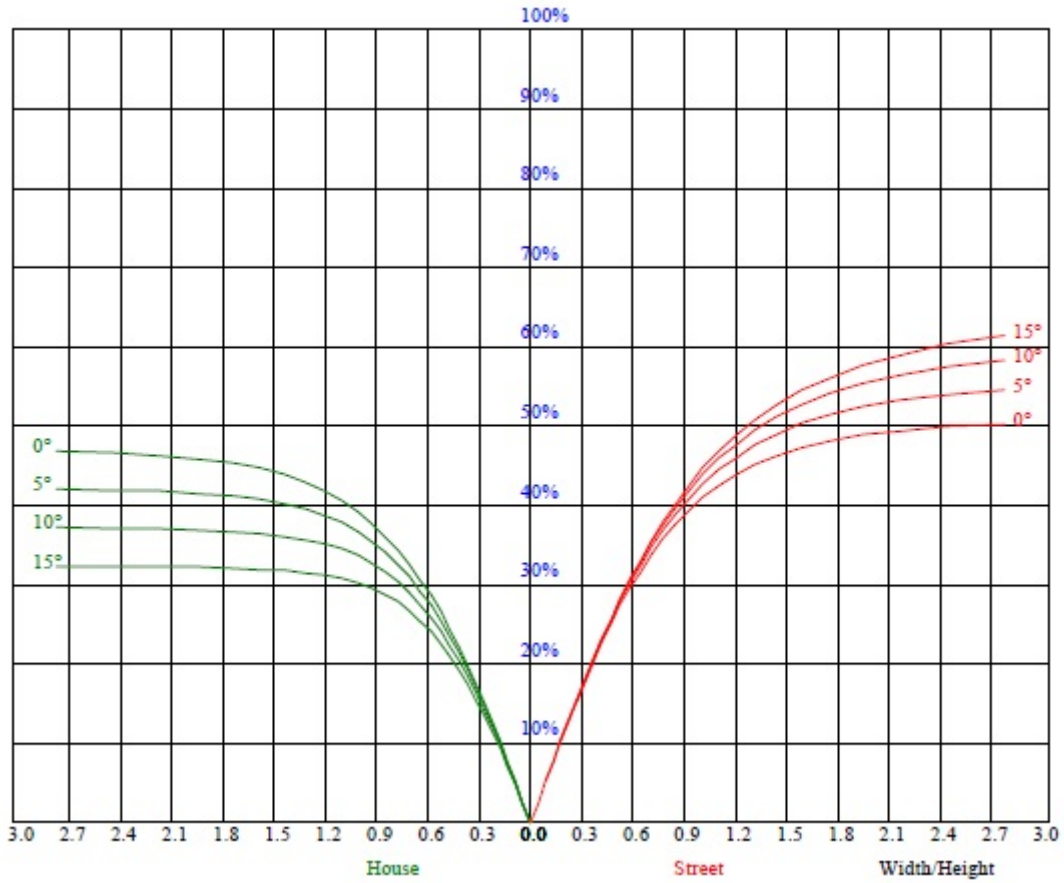


Isocandela diagram





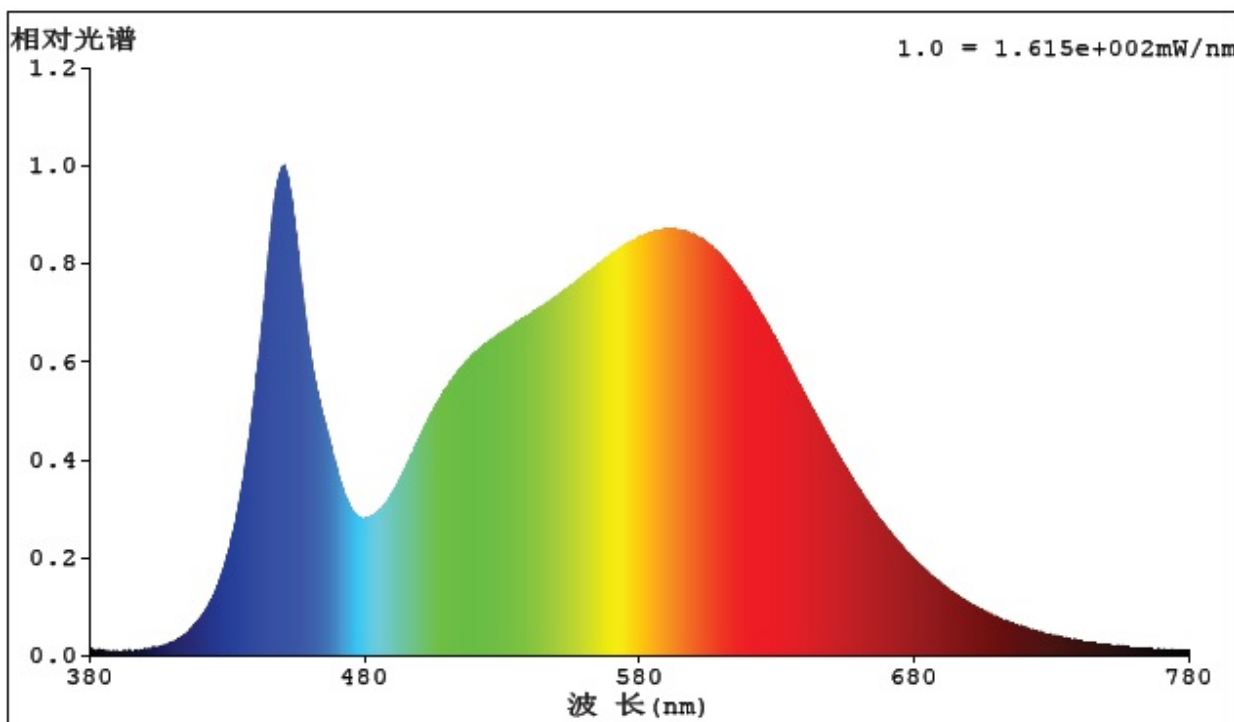
Coefficient Utilization Curve



Test Results:

| Luminaire Input Voltage | Input Current   | Luminaire Watts          | Power Factor         |
|-------------------------|-----------------|--------------------------|----------------------|
| 230 V                   | 0,518 A         | 115,70 W                 | 0,971                |
| Radiant Flux mW         | Peak wavelength | Corr.Color Temperature K | Color Rend. Index Ra |
| 25,527 W                | 451 nm          | 4250 K                   | 82,7                 |
| Chroma x                | Chroma y        | Chroma u                 | Chroma v             |
| 0,3706                  | 0,3726          | 0,2203                   | 0,4983               |

Spectrum distribution:



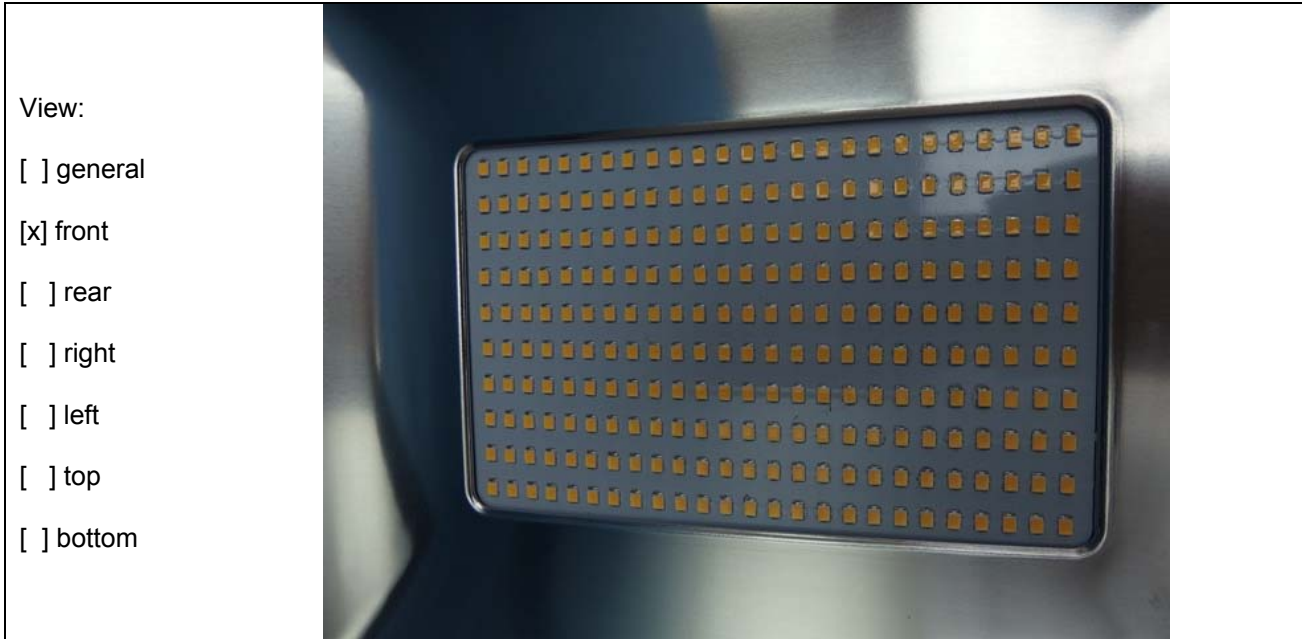
### ANNEX 1: Photo documentation

Details of: General view for the product



Details of: General view for the product



Details of: General view for the LED

--- End of Report ---