

## Commission test report

Report No.: GZES151011207531

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-FL72W04(4000 K)

Ratings: 100 - 240 Va.c., 50/60 Hz, 75 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

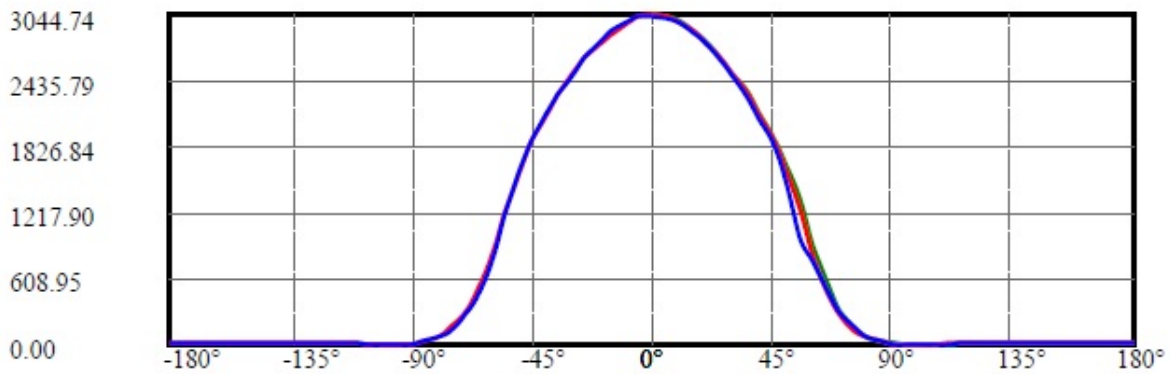
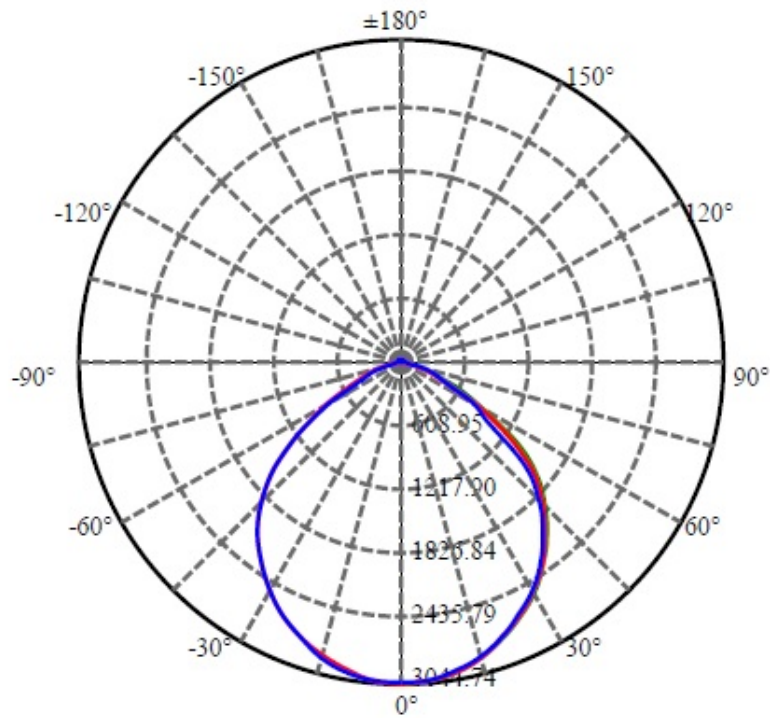
<p><b>Copy of marking plate</b></p> <p>N/A</p>
<p><b>Summary of testing:</b></p> <p>Tests were performed according to particular requirements of client. The tests were conducted under 230 V~, 50 Hz under client's requirement.</p>

<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-FL72W04(4000 K):**

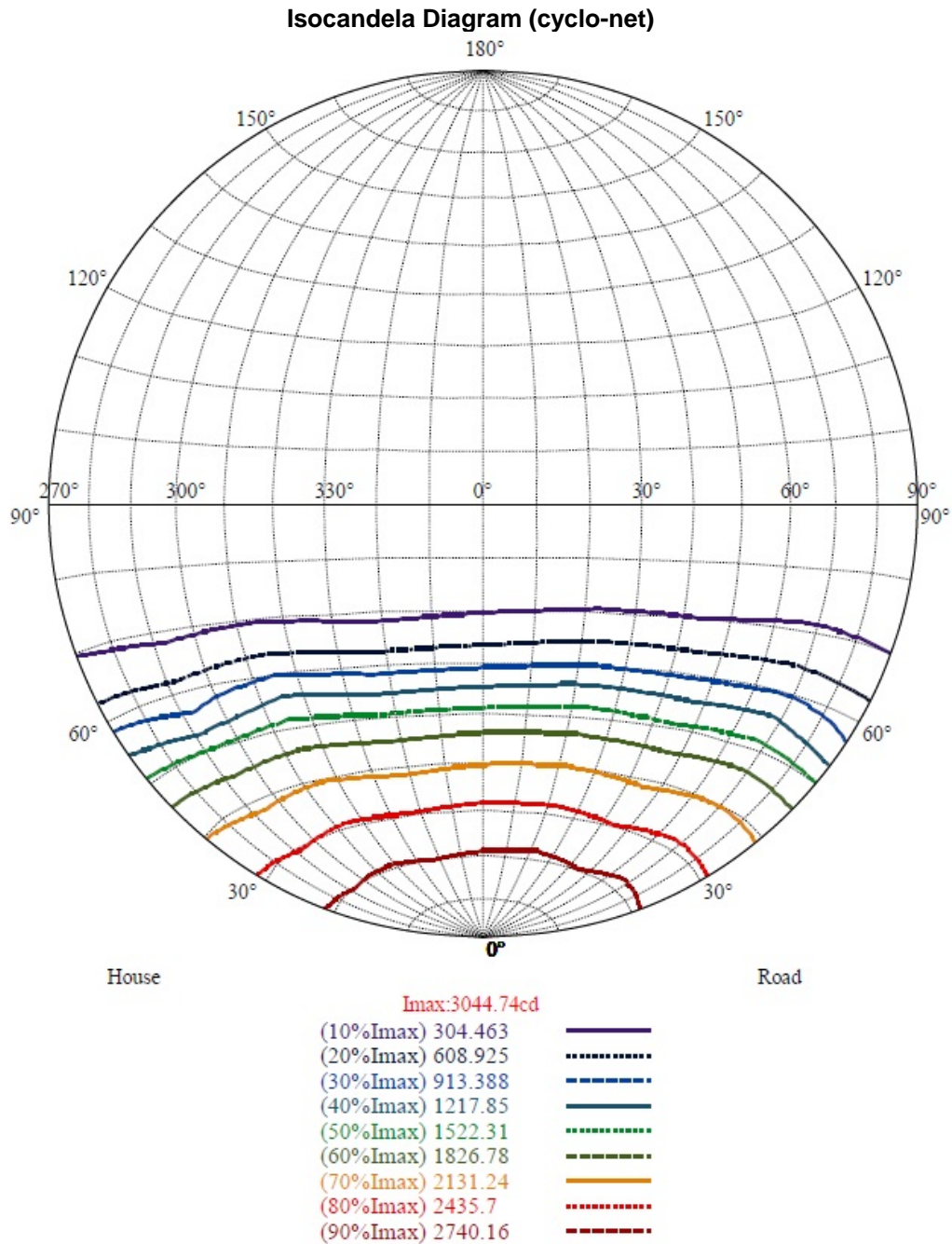
PHOTOMETRIC DATA			
Imax(cd)	3044,74	Icen(cd)	3039,71
Luminous Efficacy	93,07 lm/W	Beam angle	101,35
TOTAL FLUX(lm)	7110,64	CIE type	Direct
$\eta$ UP(%)	1,12	$\eta$ DOWN(%)	98,88

Luminous Intensity Distribution Diagram

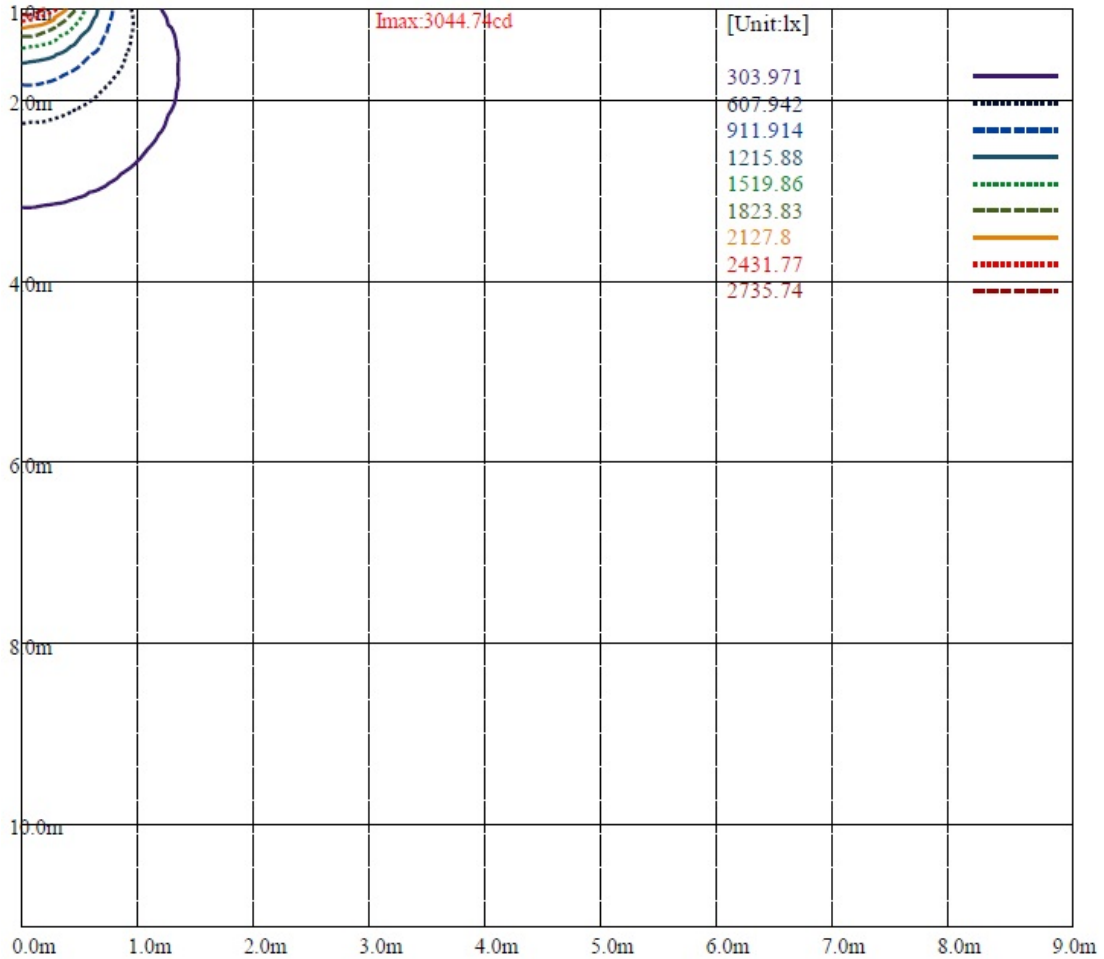


C22.5(Max):   
 C0/C180:   
 C90/C270:



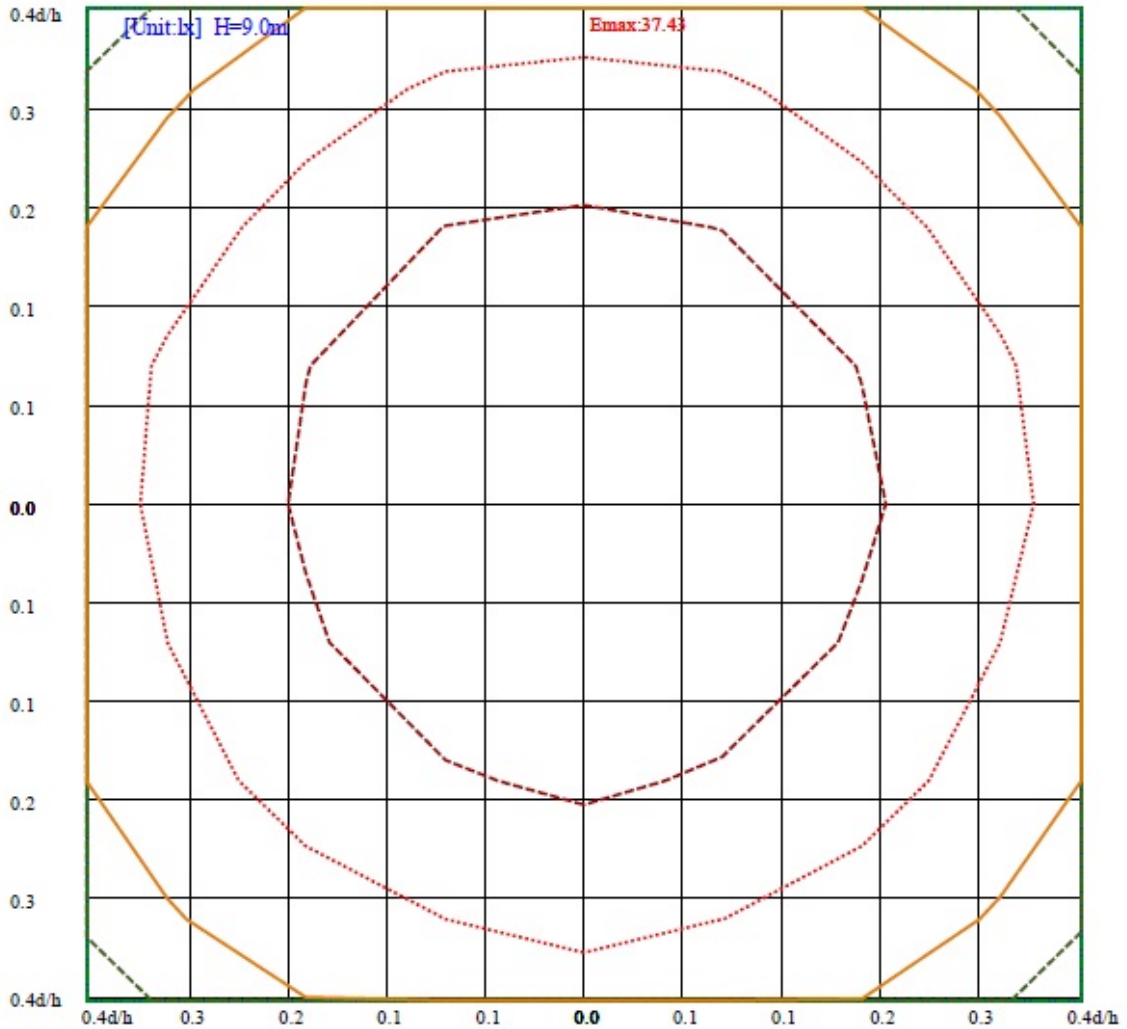


Isolux diagram





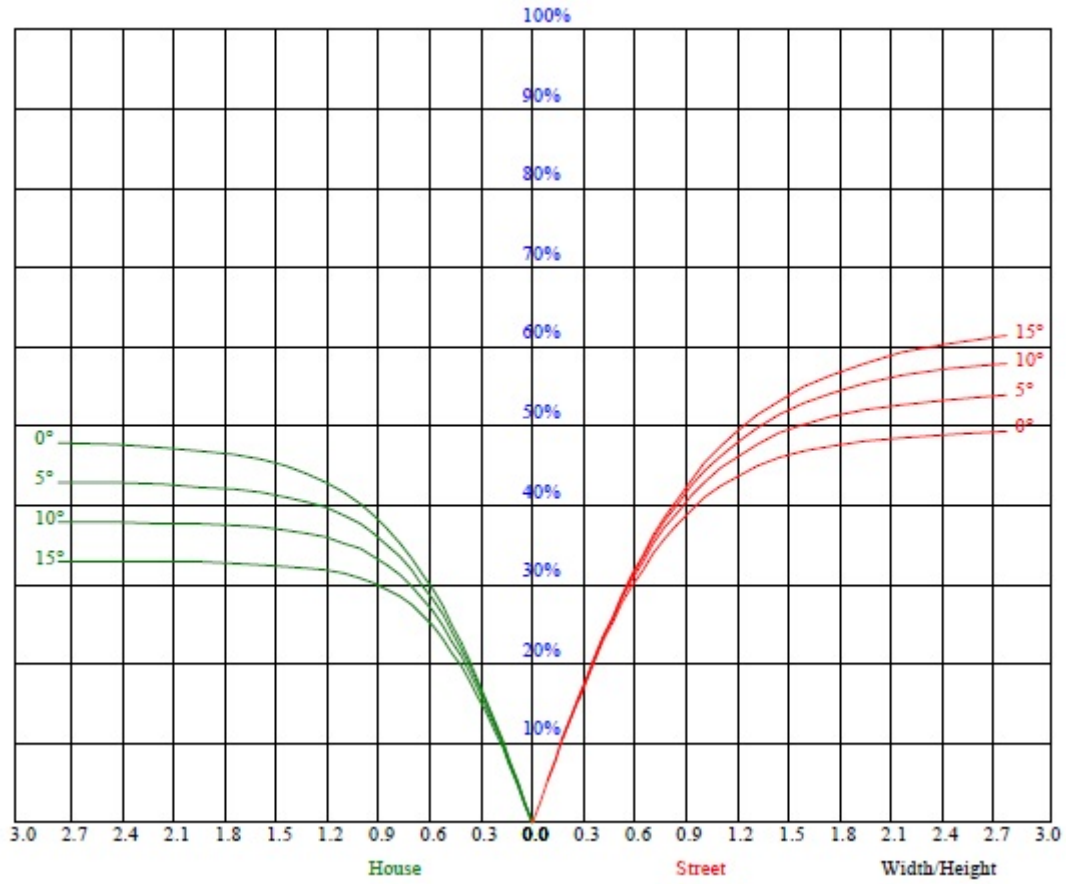
Isocandela diagram



(10%Emax) 3.74342	—
(20%Emax) 7.48684	- - - - -
(30%Emax) 11.23027	- · - · -
(40%Emax) 14.9737	—
(50%Emax) 18.71716	- · - · -
(60%Emax) 22.46049	- · - · -
(70%Emax) 26.20395	—
(80%Emax) 29.94741	- · - · -
(90%Emax) 33.69086	- · - · -



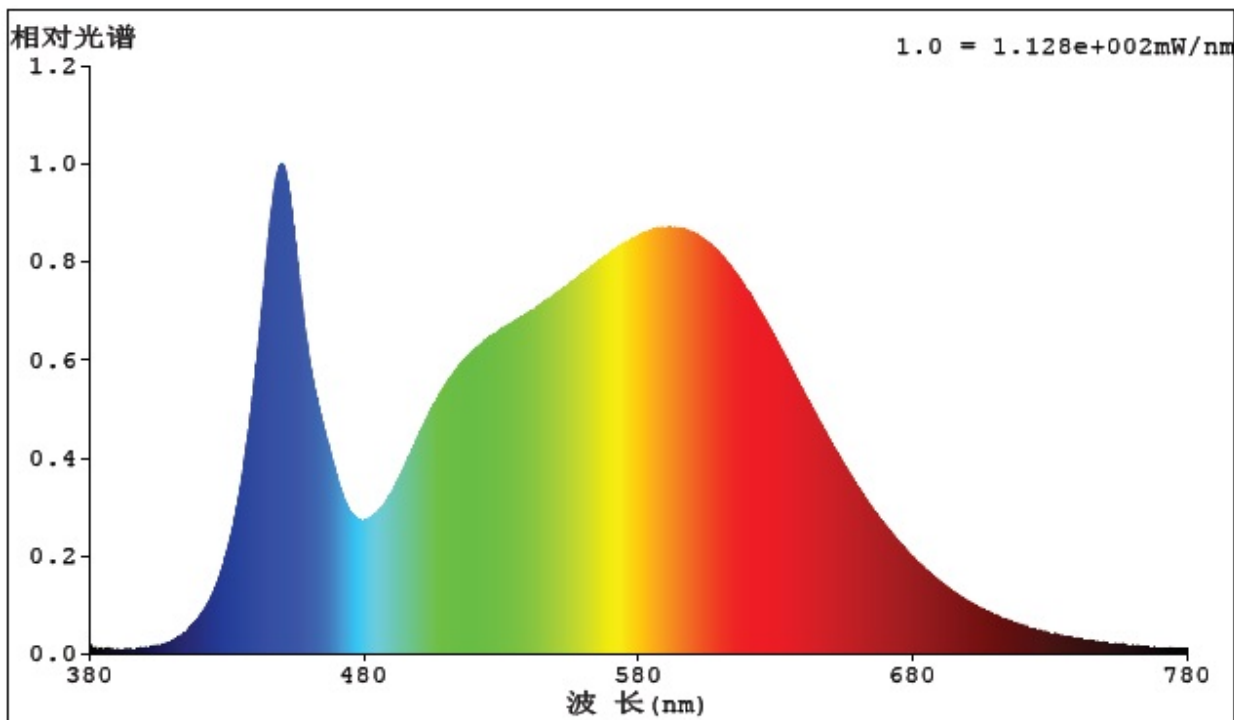
Coefficient Utilization Curve



Test Results:

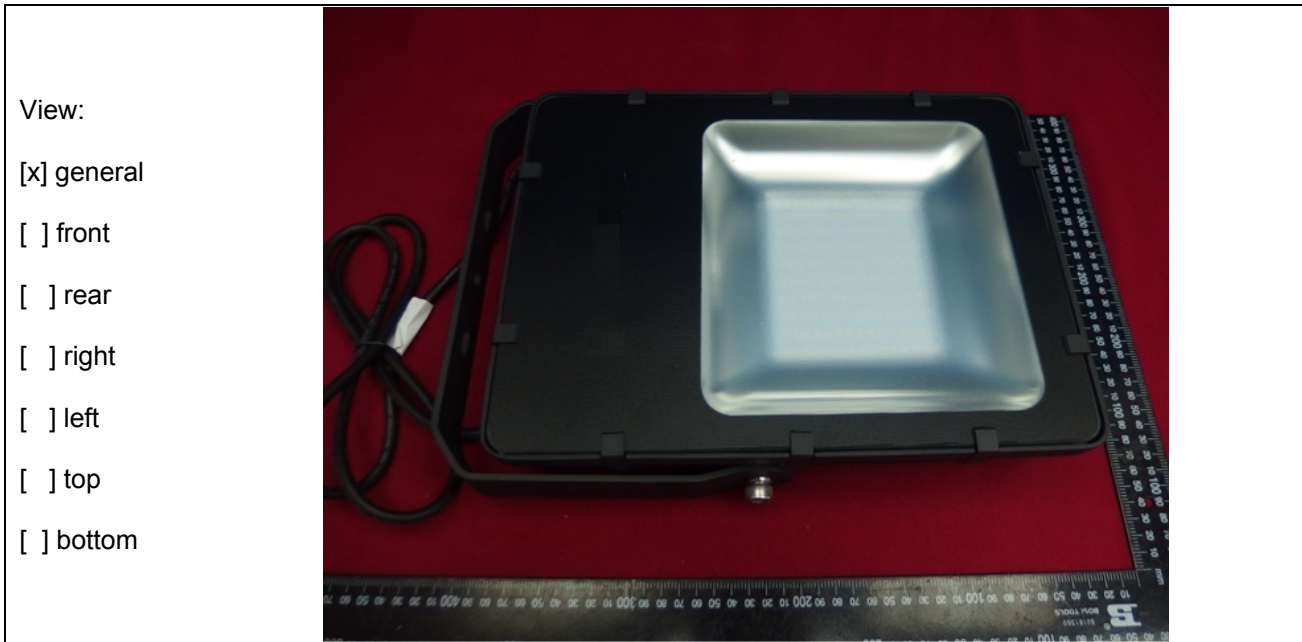
Luminaire Input Voltage	Input Current	Luminaire Watts	Power Factor
230 V	0,342 A	76,40 W	0,973
Radiant Flux mW	Peak wavelength	Corr.Color Temperature K	Color Rend. Index Ra
17,817 W	450 nm	4243 K	82,7
Chroma x	Chroma y	Chroma u	Chroma v
0,3709	0,3731	0,2203	0,4985

Spectrum distribution:



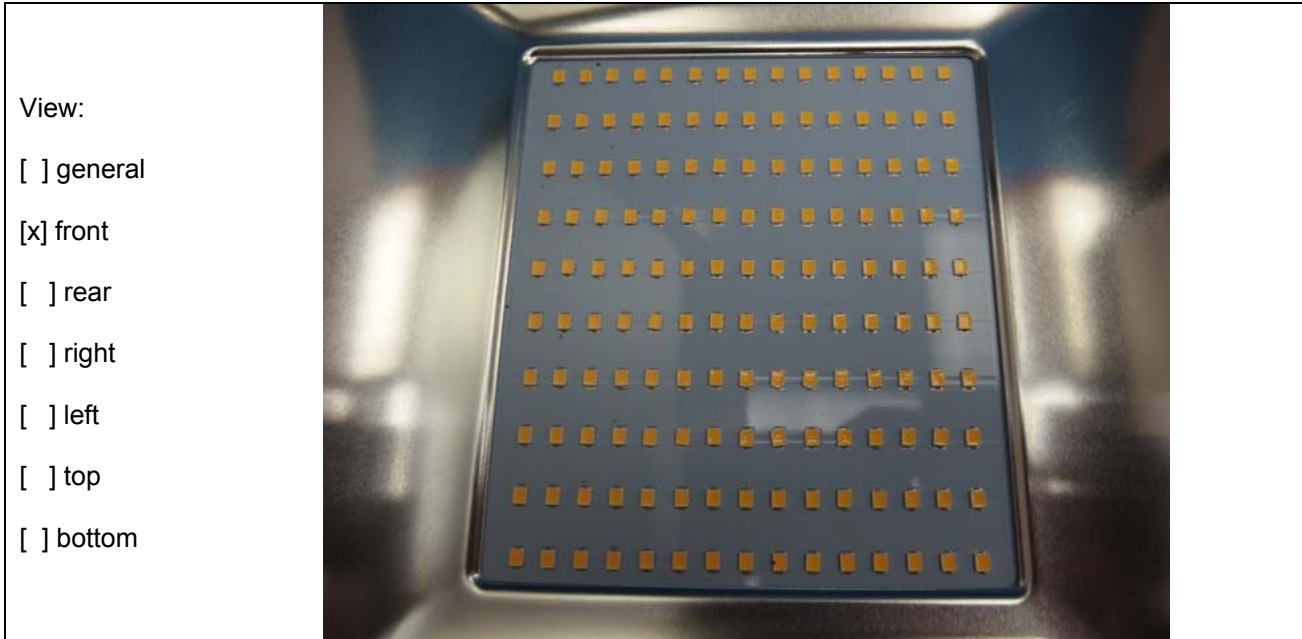
### ANNEX 1: Photo documentation

Details of: General view for the product



Details of: General view for the product



Details of: General view for the LED

--- End of Report ---