

Commission test report

Report No.: GZES151111384831

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 High Bay Light

Trade Mark: **Brillloop**

Model/Type for test: BLP-HBL150W04(4000 K)

Ratings: 100 - 240 Va.c., 50 / 60 Hz, 150 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

Change Ye
Project Engineer

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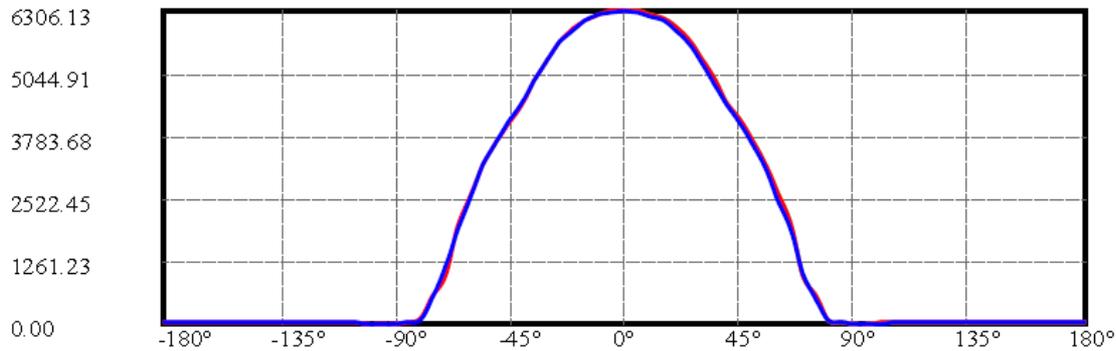
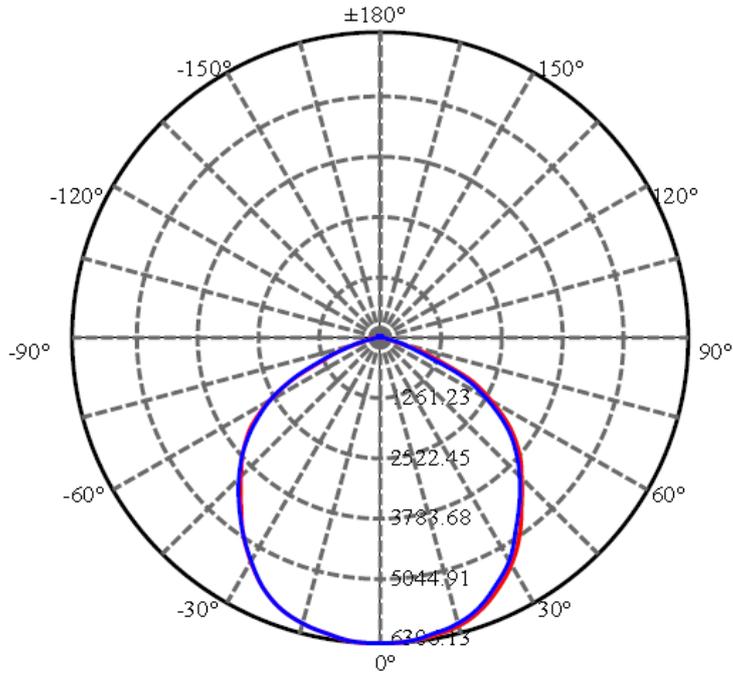
<p>Copy of marking plate N/A</p>
<p>Summary of testing: Tests were performed according to particular requirements of client. The tests were conducted under 230 V~, 50 Hz under client's requirement.</p>

<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>

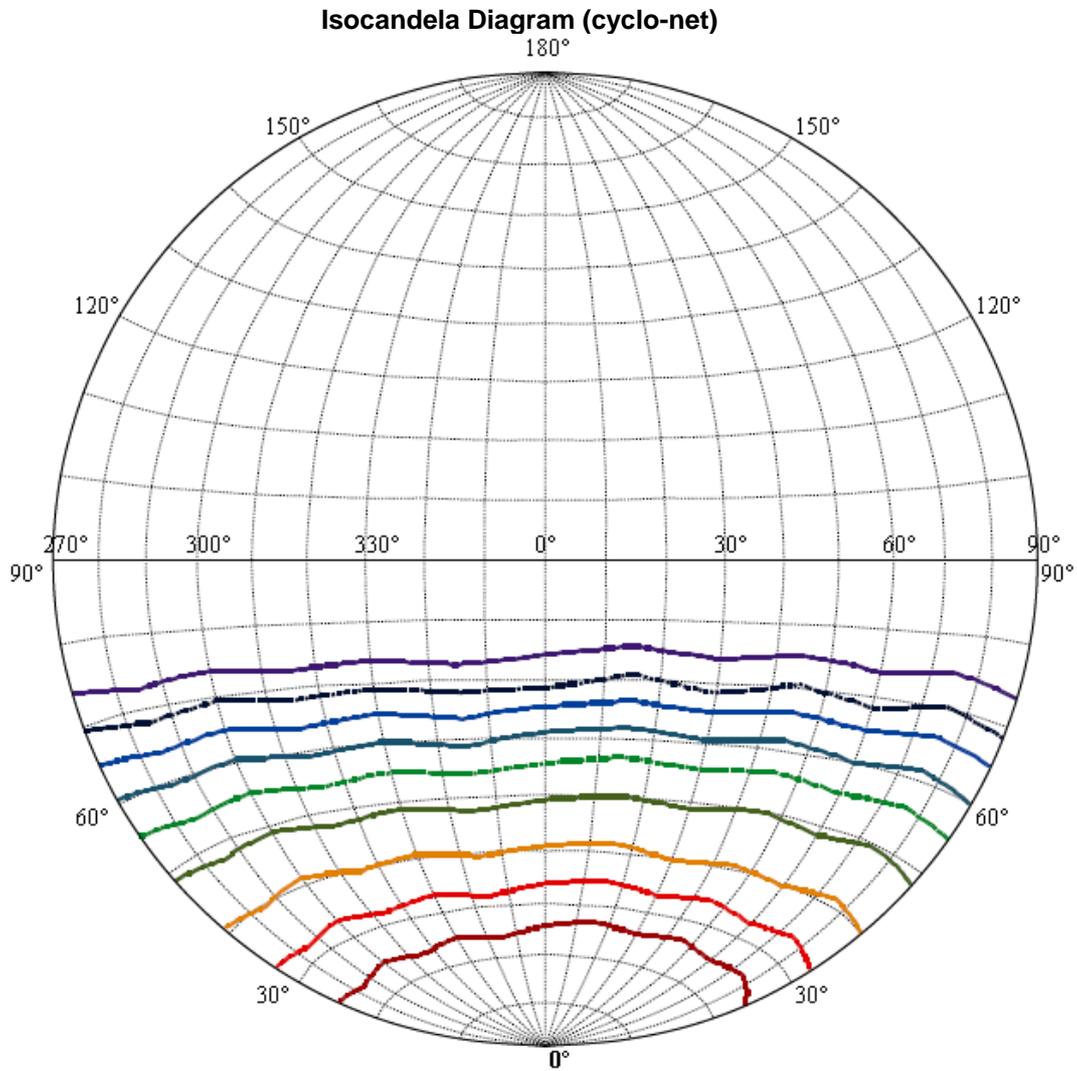
Test Results:**BLP-HBL150W04 (4000K):**

PHOTOMETRIC DATA			
Imax(cd)	6306	Icen(cd)	6306
Luminous Efficacy(lm/W)	109,41	Beam angle(°)	111
TOTAL FLUX(lm)	16586	CIE type	Direct
η UP(%)	1,13	η DOWN(%)	98,87

Luminous Intensity Distribution Diagram



C0(Max): —
 C0/C180: —
 C90/C270: —



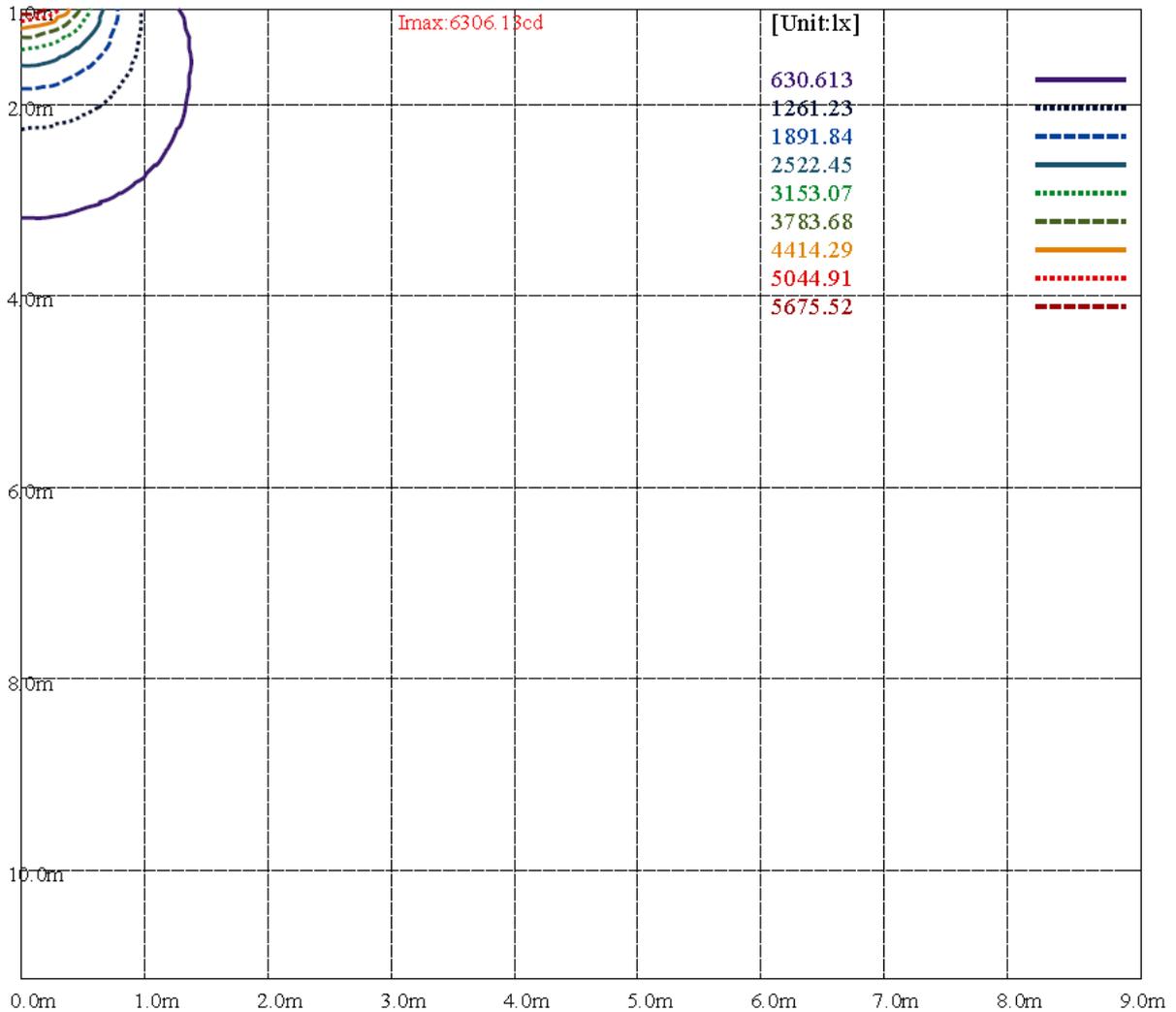
House

Road

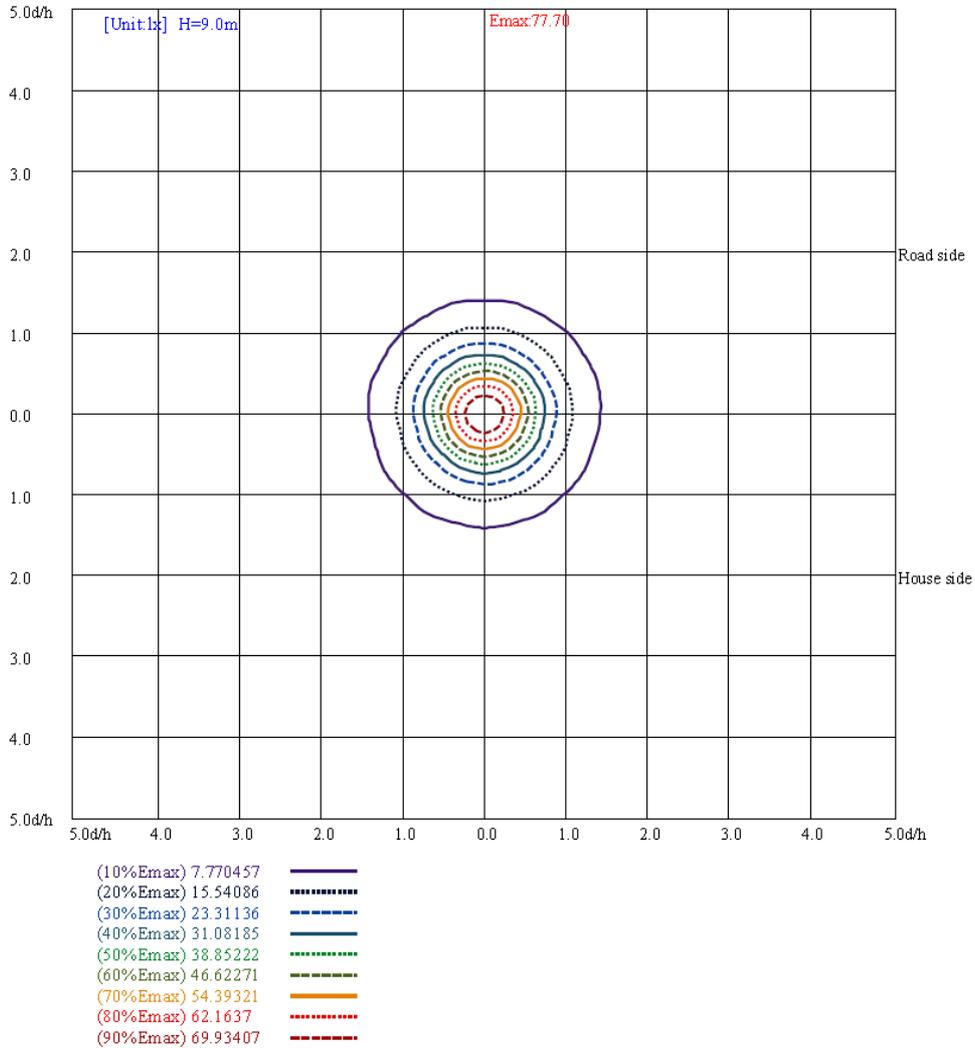
Imax: 6306.13cd

(10%Imax) 630.613	
(20%Imax) 1261.23	
(30%Imax) 1891.84	
(40%Imax) 2522.45	
(50%Imax) 3153.07	
(60%Imax) 3783.68	
(70%Imax) 4414.29	
(80%Imax) 5044.91	
(90%Imax) 5675.52	

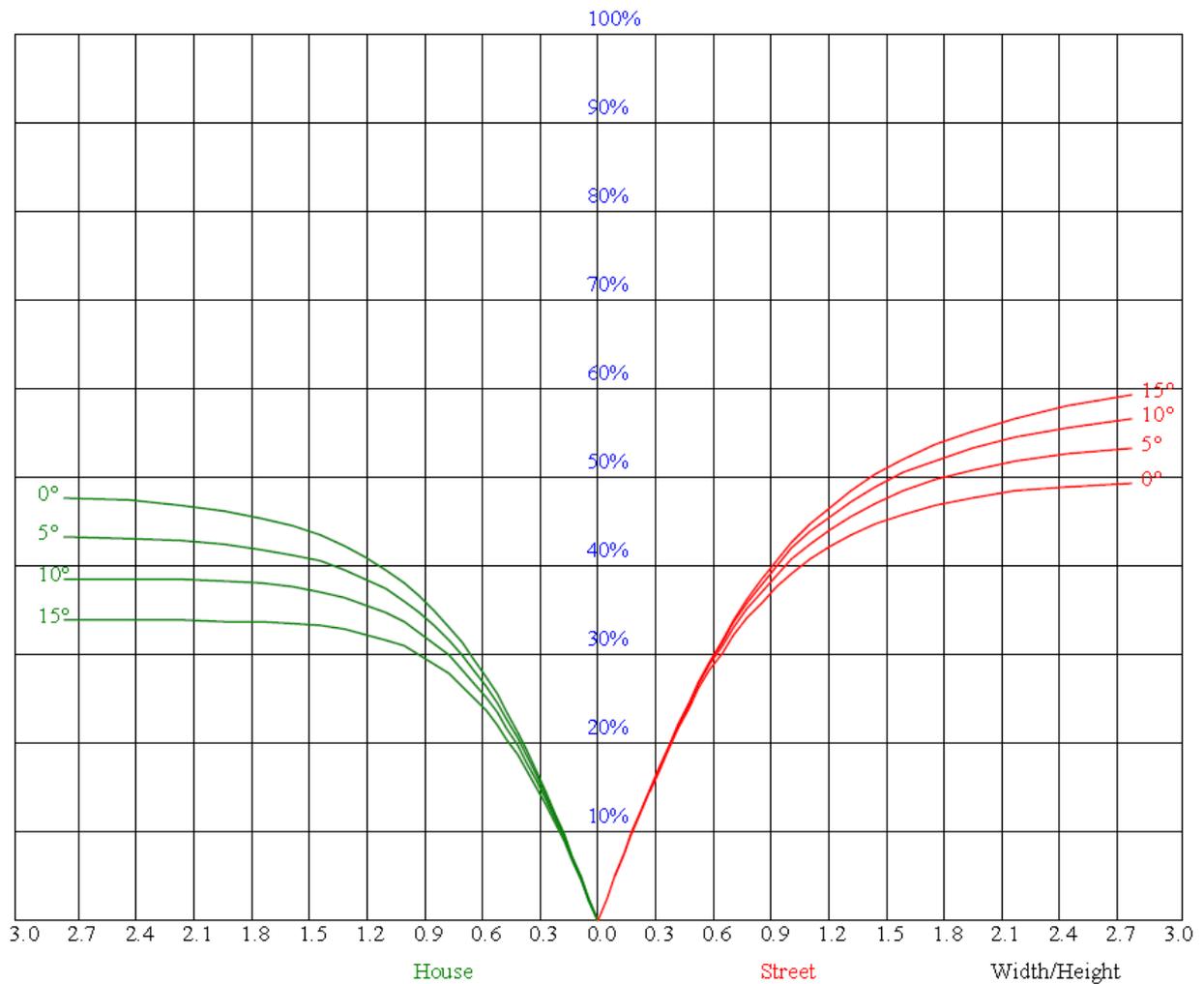
Isolux diagram



Isocandela diagram



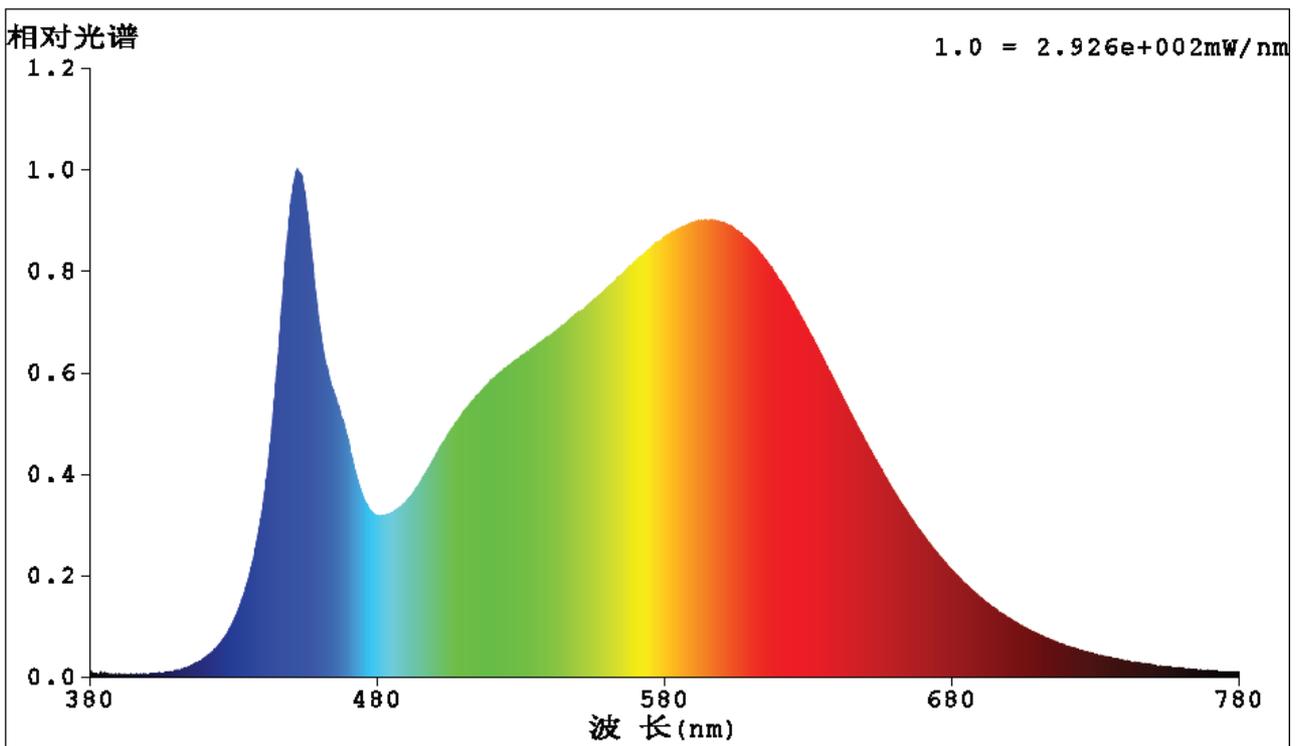
Coefficient Utilization Curve



Test Results:

Luminaire Input Voltage	Input Current	Luminaire Watts	Power Factor
230 V	0,679 A	151,6 W	0,971
Radiant Flux mW	Peak wavelength	Corr.Color Temperature K	Color Rend. Index Ra
46,36 W	452 nm	4012 K	83,9
Chroma x	Chroma y	Chroma u	Chroma v
0,3802	0,3776	0,2246	0,5019

Spectrum distribution:



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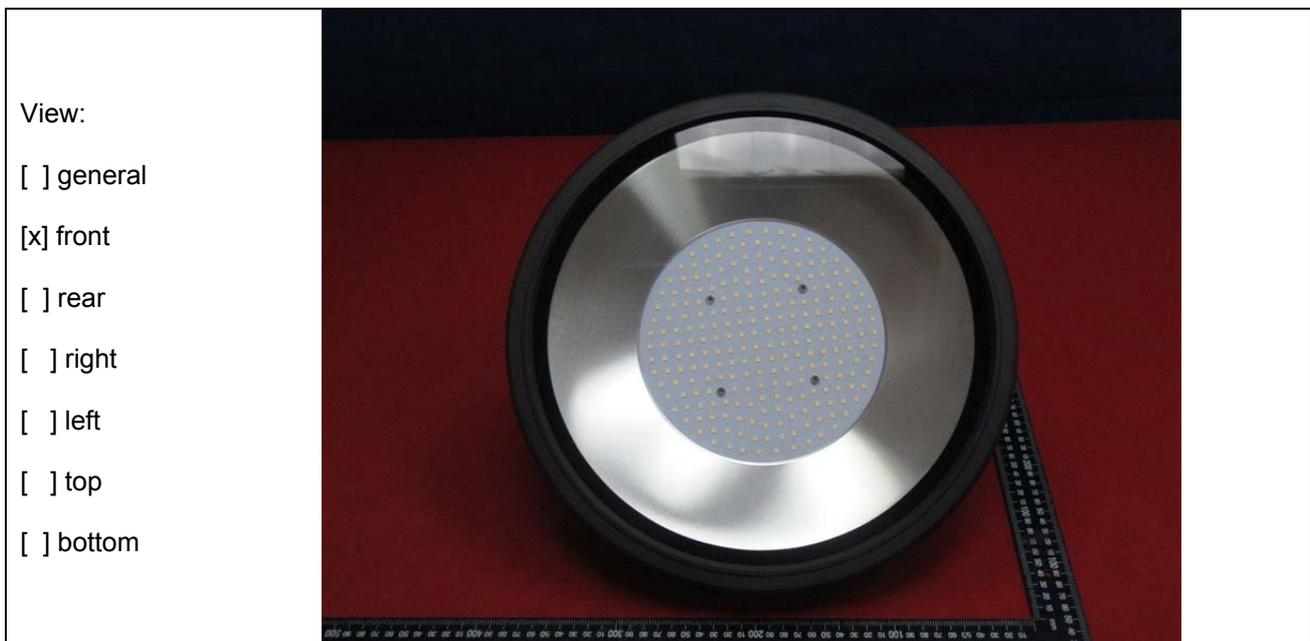
Date: 2015-12-08

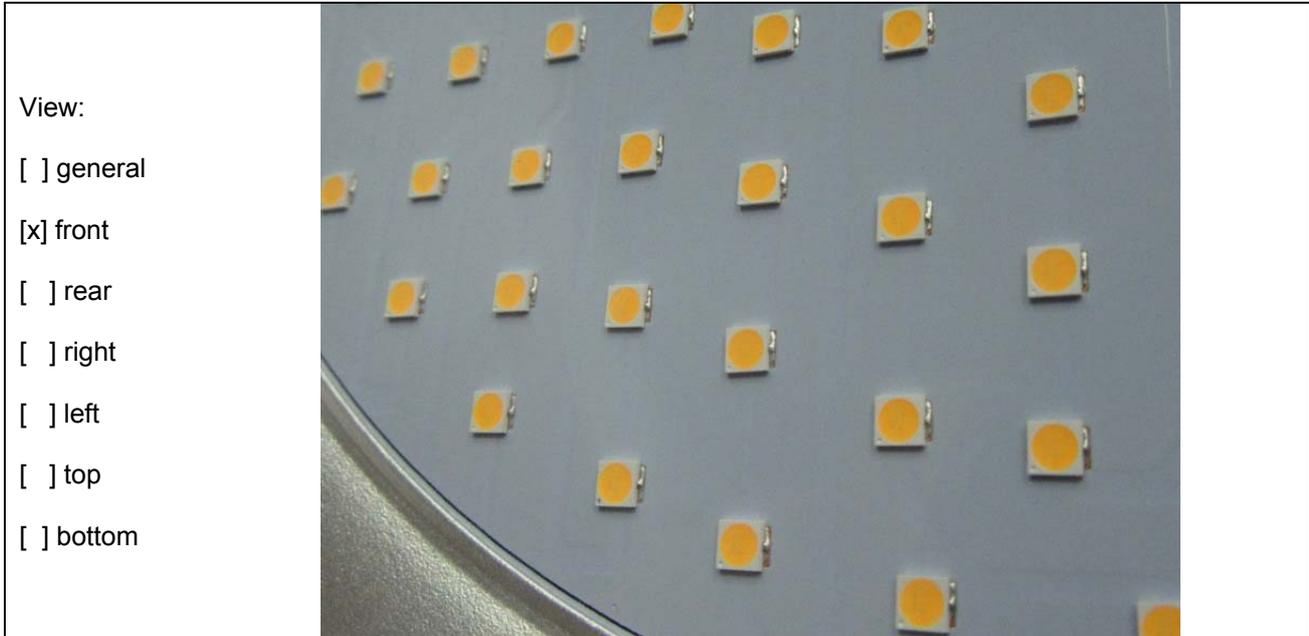
ANNEX 1: Photo documentation

Details of: General view for the product



Details of: General view for the product



Details of: General view for the LED

--- End of Report ---