

Commission test report

Report No.: GZES151201537531

Date: 2015-12-29

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-HBL220W04 (4000 K)

Ratings: 100 - 240 Va.c., 50 / 60 Hz, 220 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

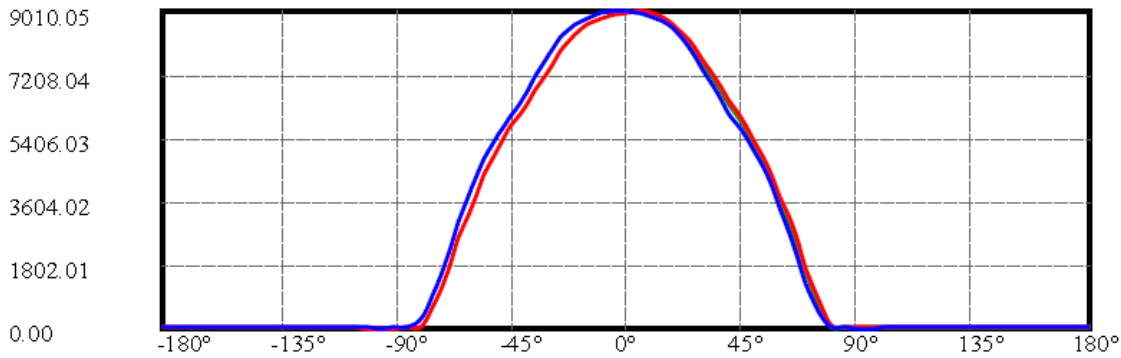
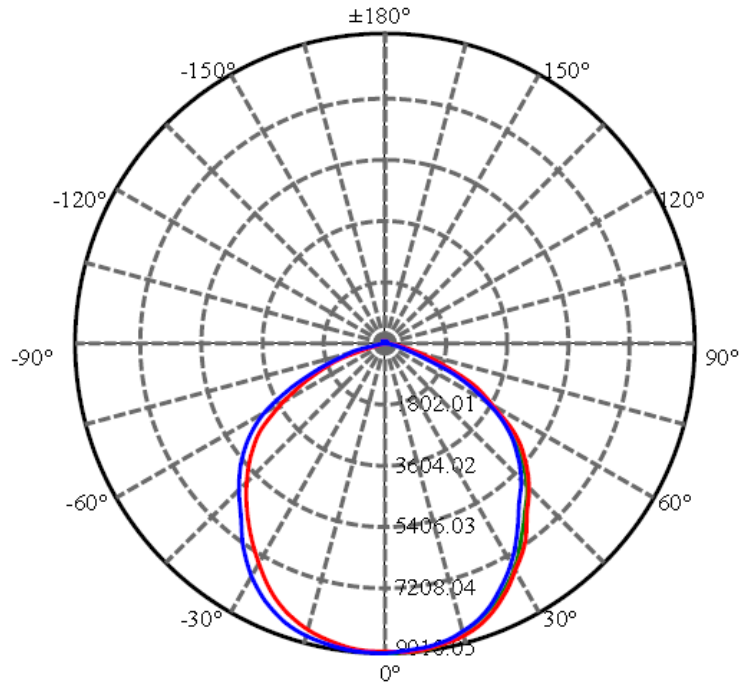
<p>Copy of marking plate N/A</p>
<p>Summary of testing: Tests were performed according to particular requirements of client. The tests were conducted under 230 V~, 50 Hz under client's requirement.</p>

<p>Test item particulars</p> <p>Lamp cap —</p> <p>Lamp identification —</p> <p>Commission received from Applicant</p> <p>Date 2015-12-15</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..... : 2015-12-15</p> <p>Date (s) of performance of tests..... : 2015-12-15 to 2015-12-24</p>
<p>General product information: The product can emit neutral white light when powered.</p>

Test Results:**BLP-HBL220W04 (4000K):**

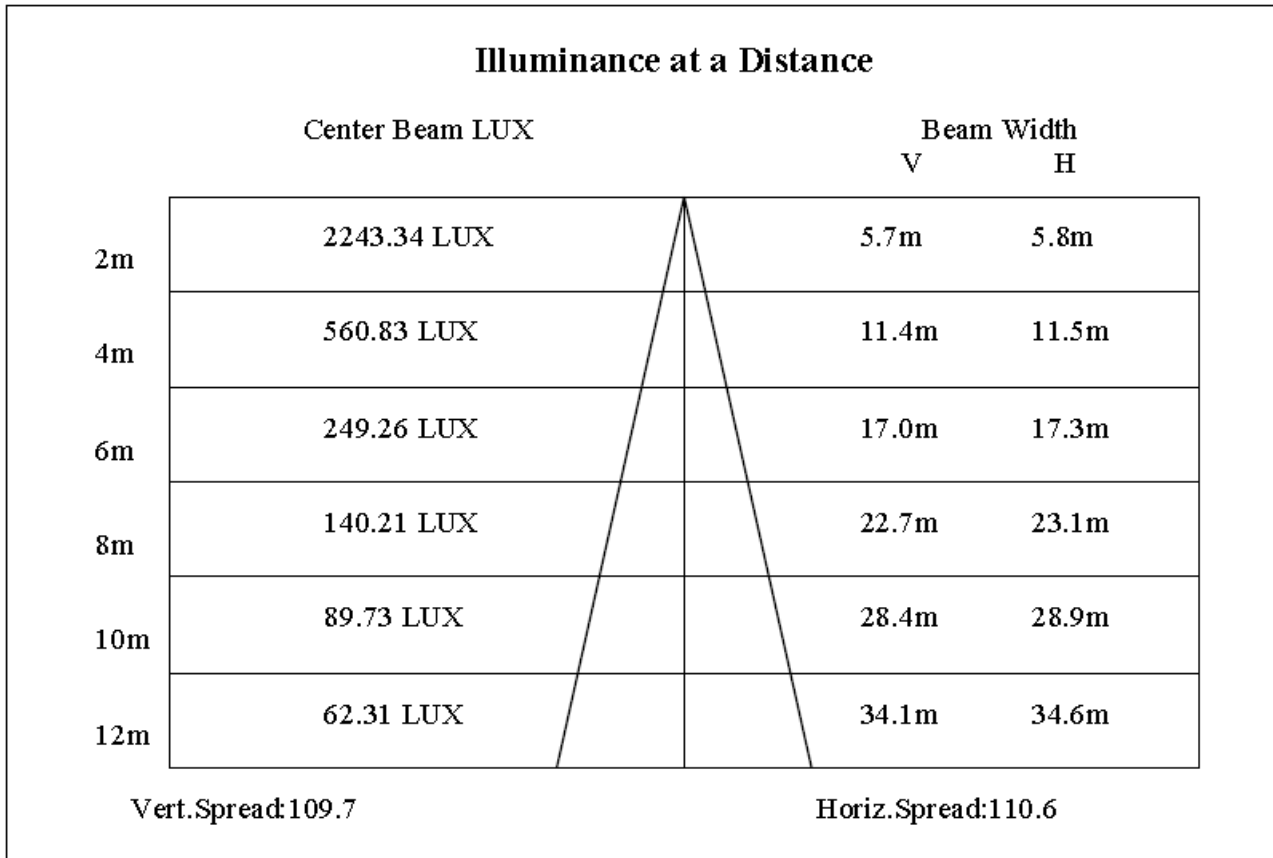
PHOTOMETRIC DATA			
Imax(cd)	9010	Icen(cd)	8973
Luminous Efficacy(lm/W)	103	Beam angle(°)	110
TOTAL FLUX(lm)	23722	CIE type	Direct
η UP(%)	1,15	η DOWN(%)	98,85

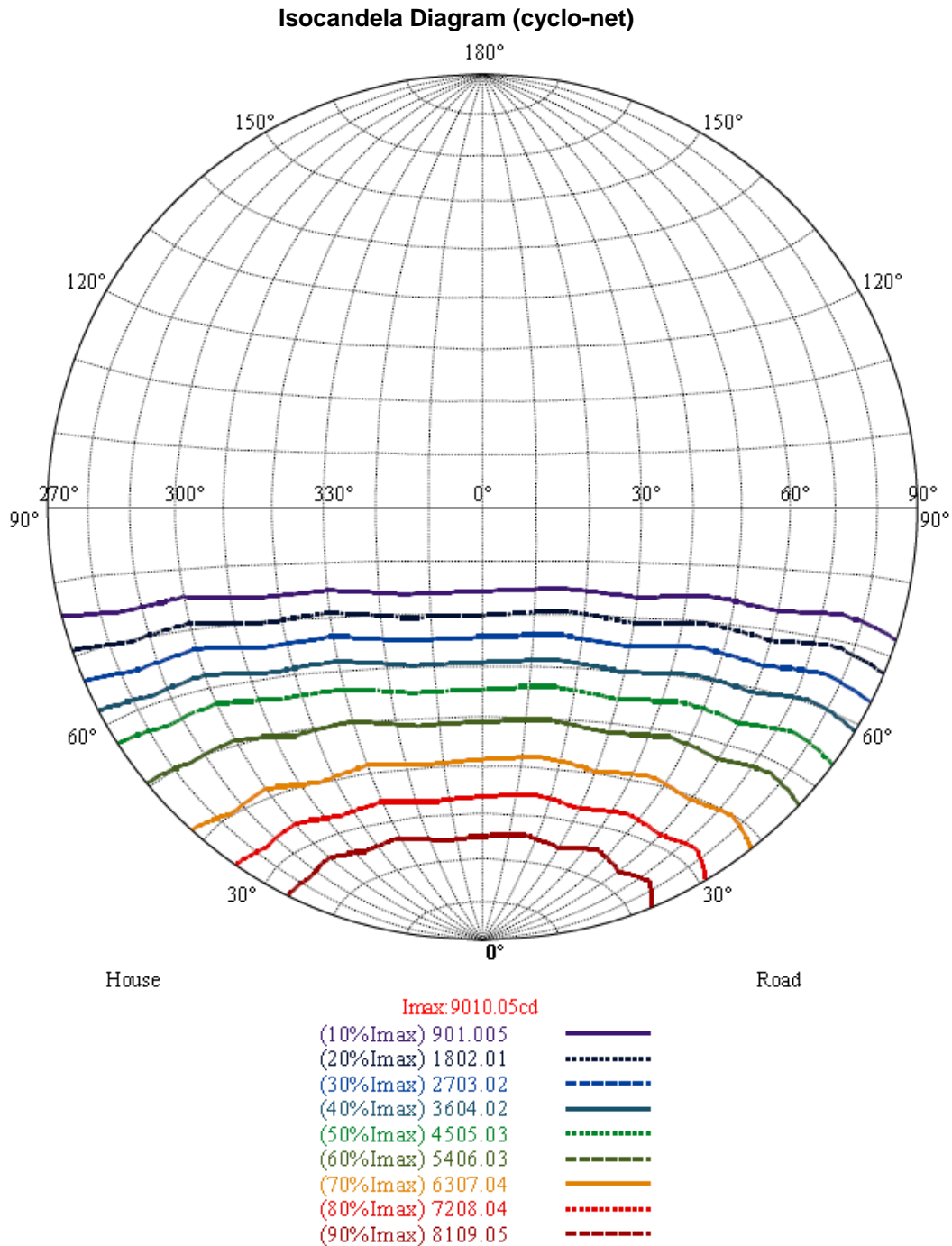
Luminous Intensity Distribution Diagram



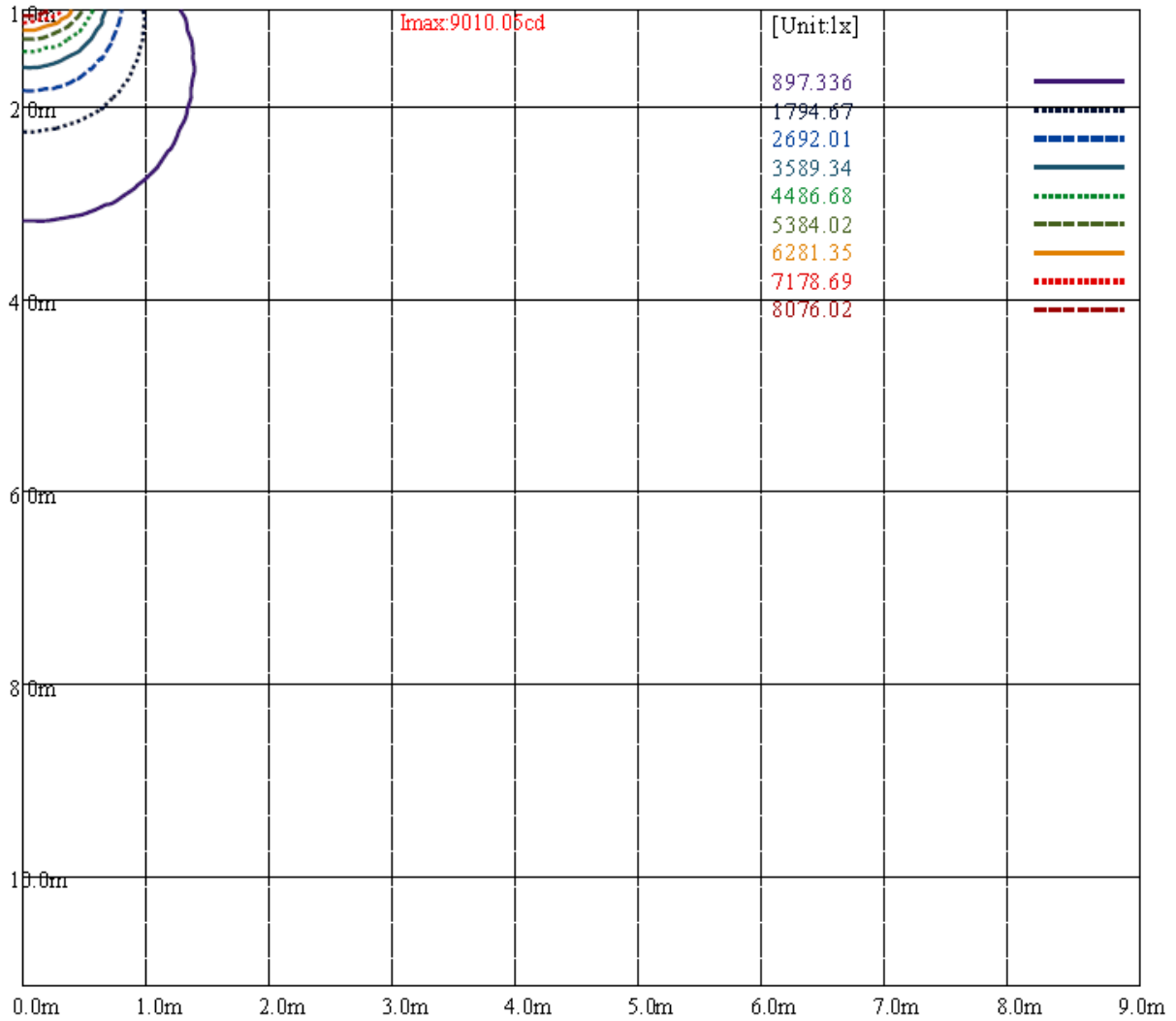
C30(Max): —
 C0/C180: —
 C90/C270: —

Lux distance curve

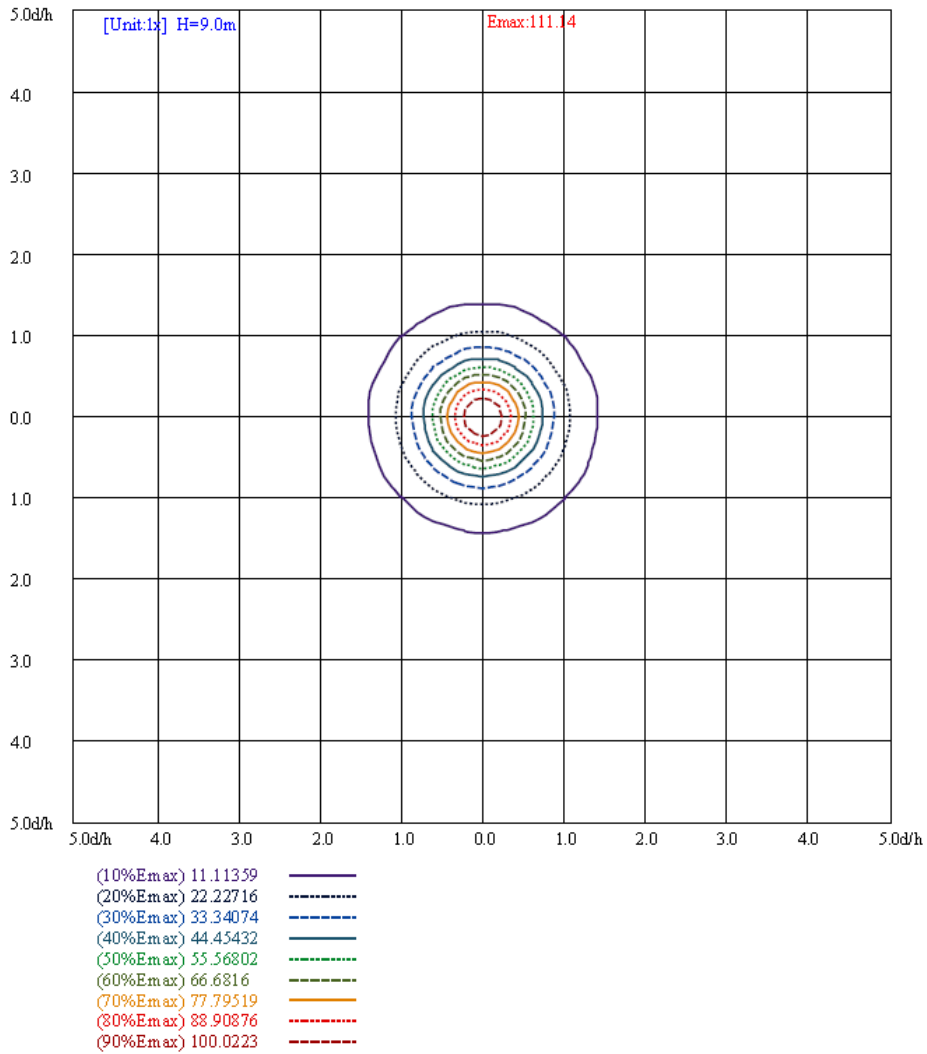




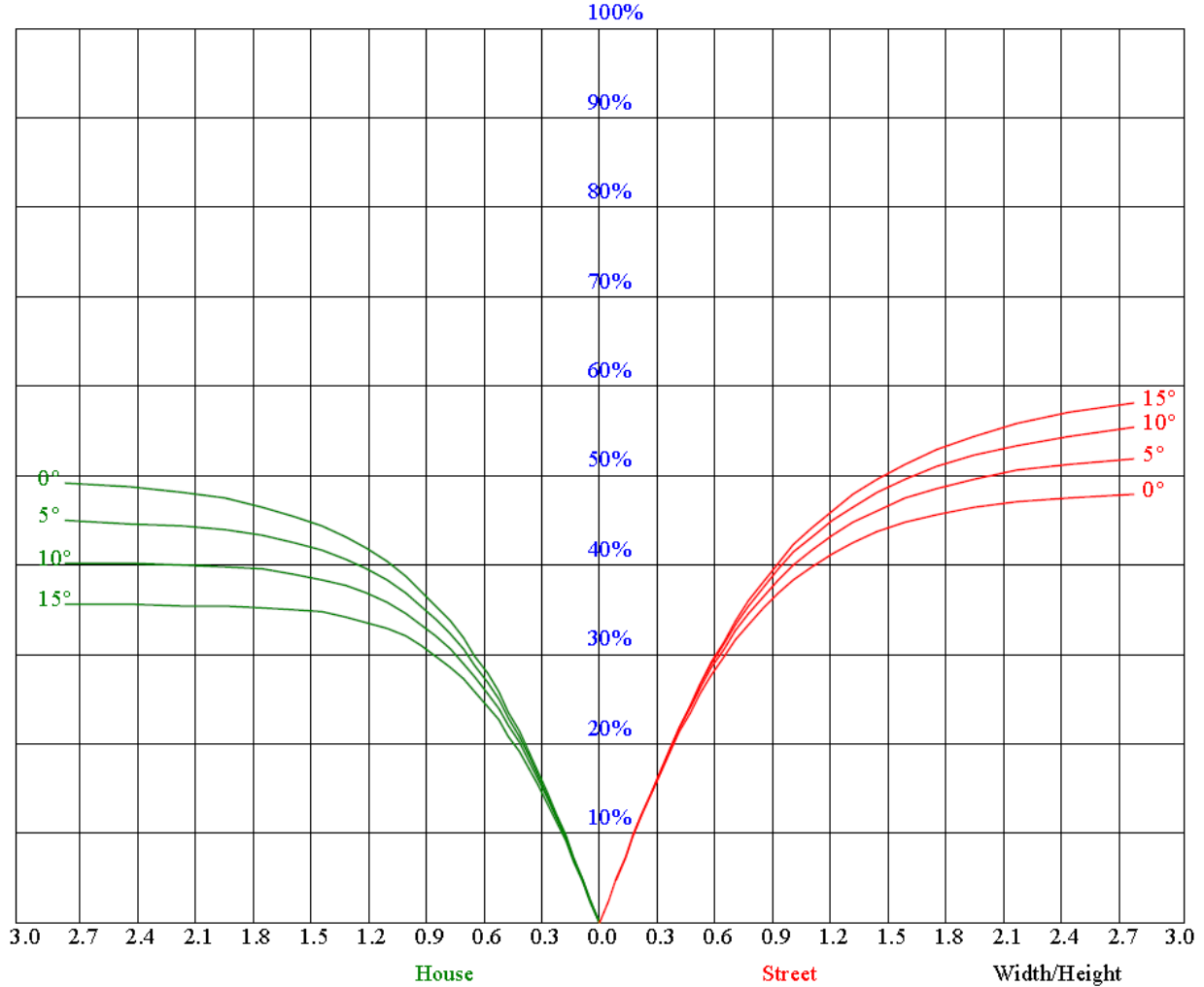
Isolux diagram



Isocandela diagram



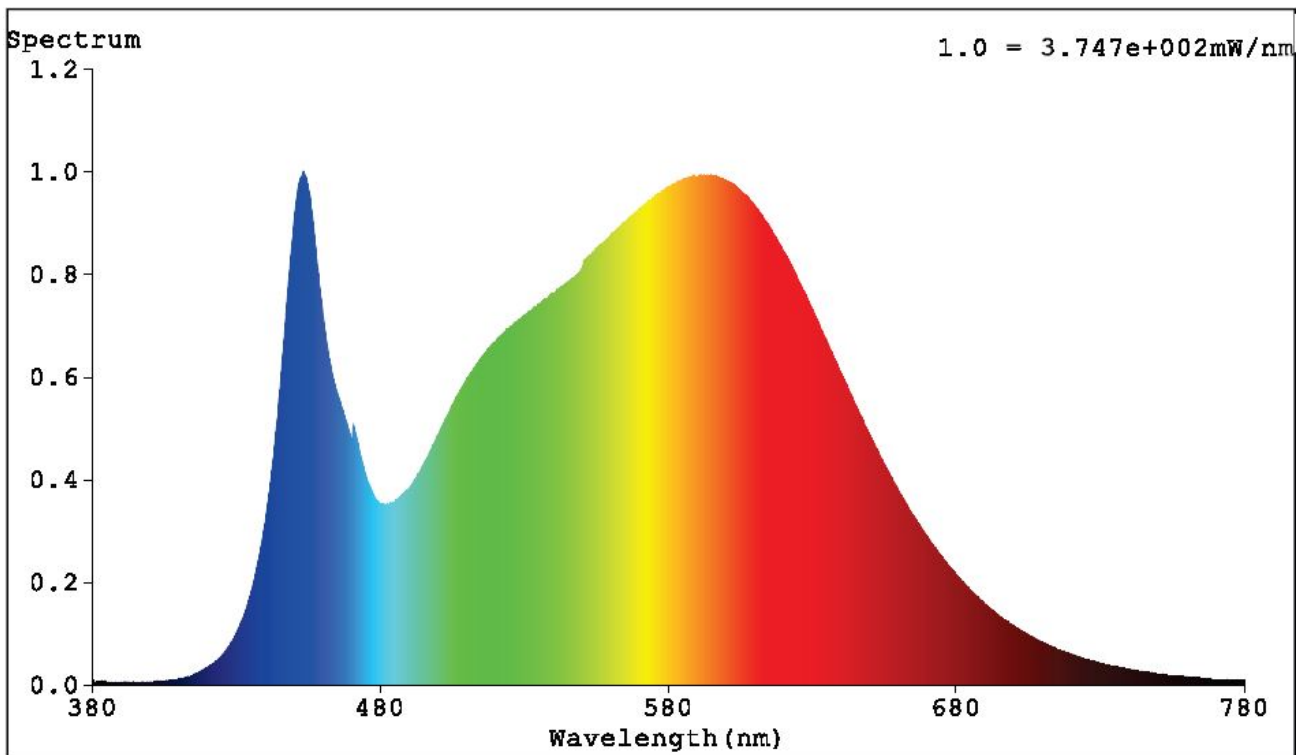
Coefficient Utilization Curve



Test Results:

Luminaire Input Voltage	Input Current	Luminaire Watts	Power Factor
230 V	1,038 A	230,4 W	0,965
Radiant Flux mW	Peak wavelength	Corr.Color Temperature K	Color Rend. Index Ra
64,36 W	453 nm	4019 K	81,6
Chroma x	Chroma y	Chroma u	Chroma v
0,3831	0,3894	0,2219	0,5074

Spectrum distribution:

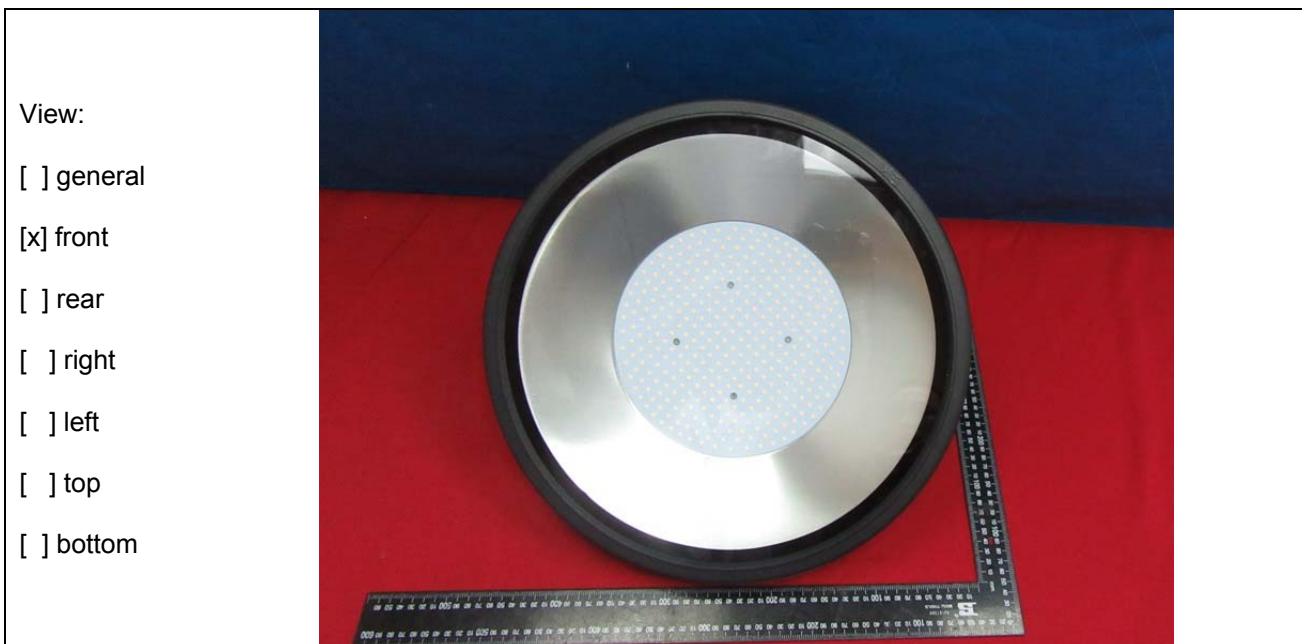


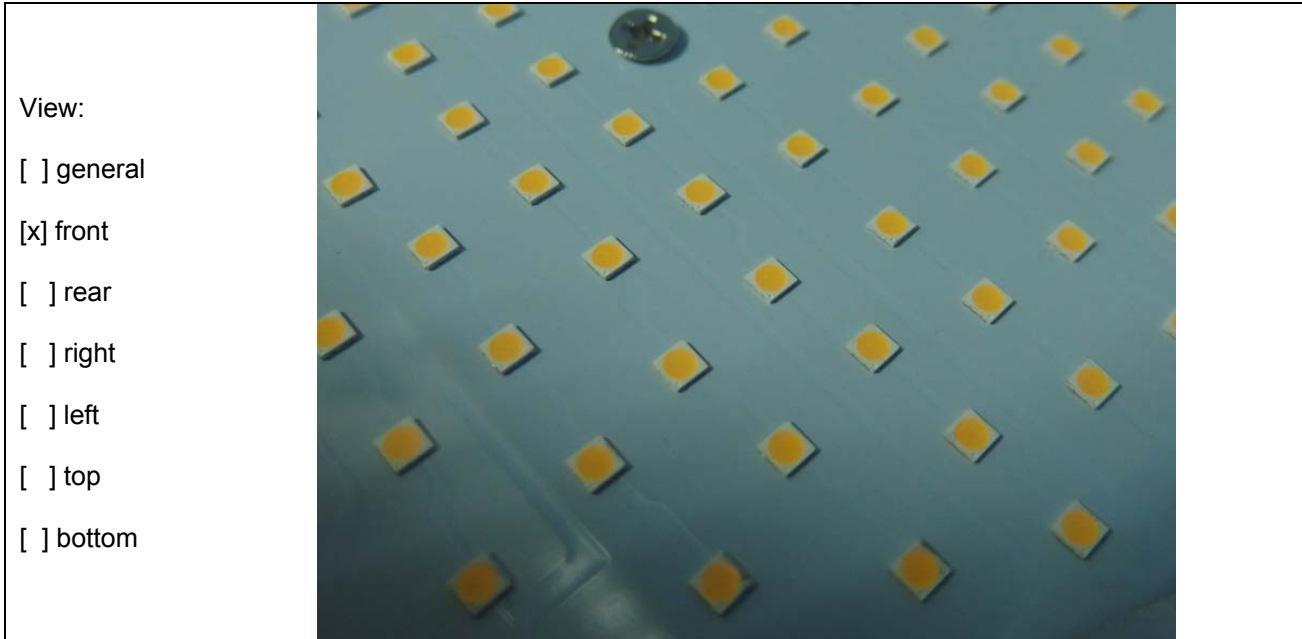
ANNEX 1: Photo documentation

Details of: General view for the product



Details of: General view for the product



Details of: General view for the LED

--- End of Report ---