

Commission test report

Report No.: GZES151011207231

Date: 2015-10-30

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

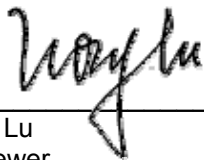
Trade Mark: **Brilloop**

Model/Type for test: BLP-HBL100W04(4000 K)

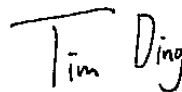
Ratings: 100 - 240 Va.c., 50/60 Hz, 100 W

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



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Copy of marking plate

N/A

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.

Test item particulars

Lamp cap —
Lamp identification —
Commission received from Applicant
Date 2015-09-30
Ambient temperature 25 °C
IP number —

Possible test case verdicts:

- test case does not apply to the test object..... : N/A (not applicable)
- test object does meet the requirement : P (Pass)
- test object does not meet the requirement : F (Fail)

Testing

Date of receipt of test item..... : 2015-09-30
Date (s) of performance of tests..... : 2015-09-30 to 2015-10-30

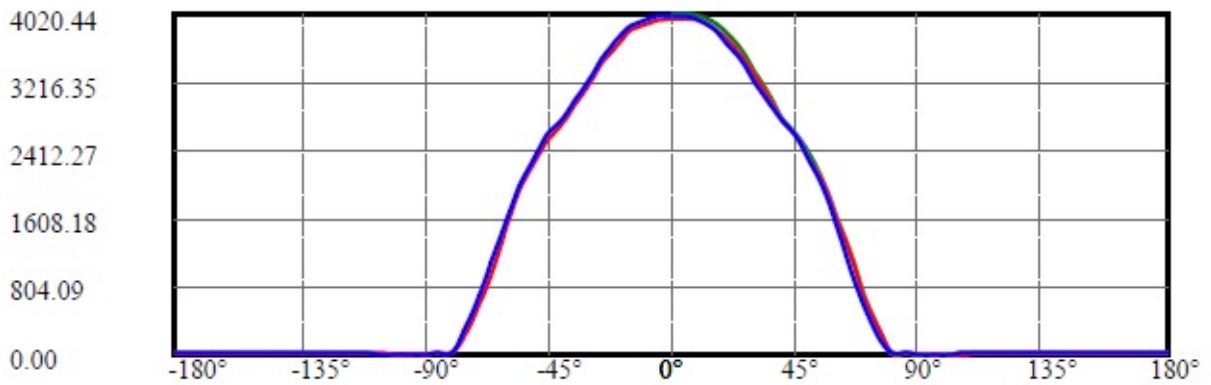
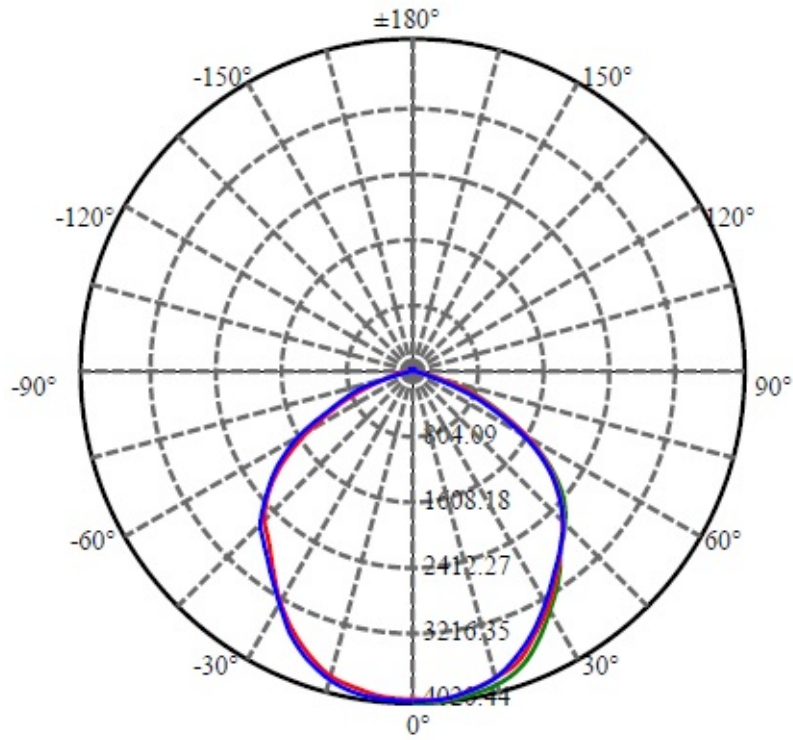
General product information:

The product can emit neutral white light when powered.

Test Results:**BLP-HBL100W04(4000 K):**

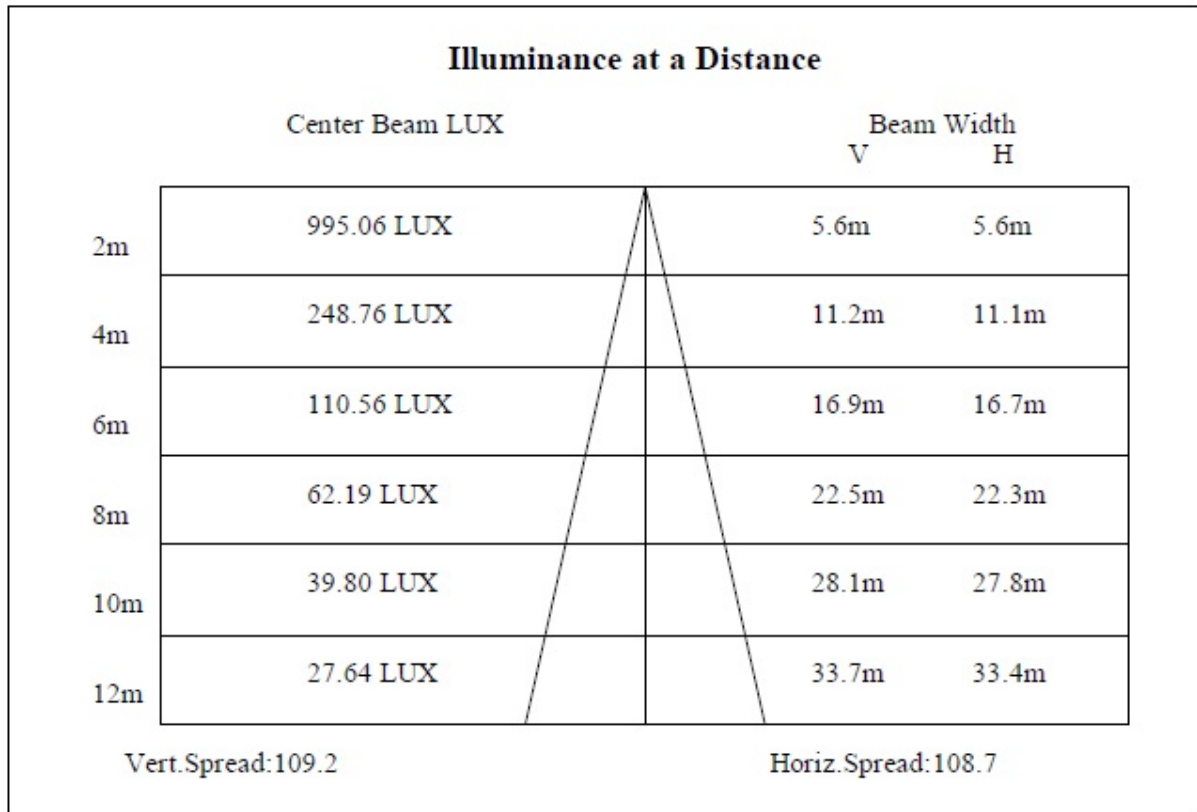
| PHOTOMETRIC DATA | | | |
|-------------------|-------------|----------------|---------|
| Imax(cd) | 4020,44 | Icen(cd) | 3980,23 |
| Luminous Efficacy | 109,03 lm/W | Beam angle | 108,95 |
| TOTAL FLUX(lm) | 10183,59 | CIE type | Direct |
| η UP(%) | 1,12 | η DOWN(%) | 98,88 |

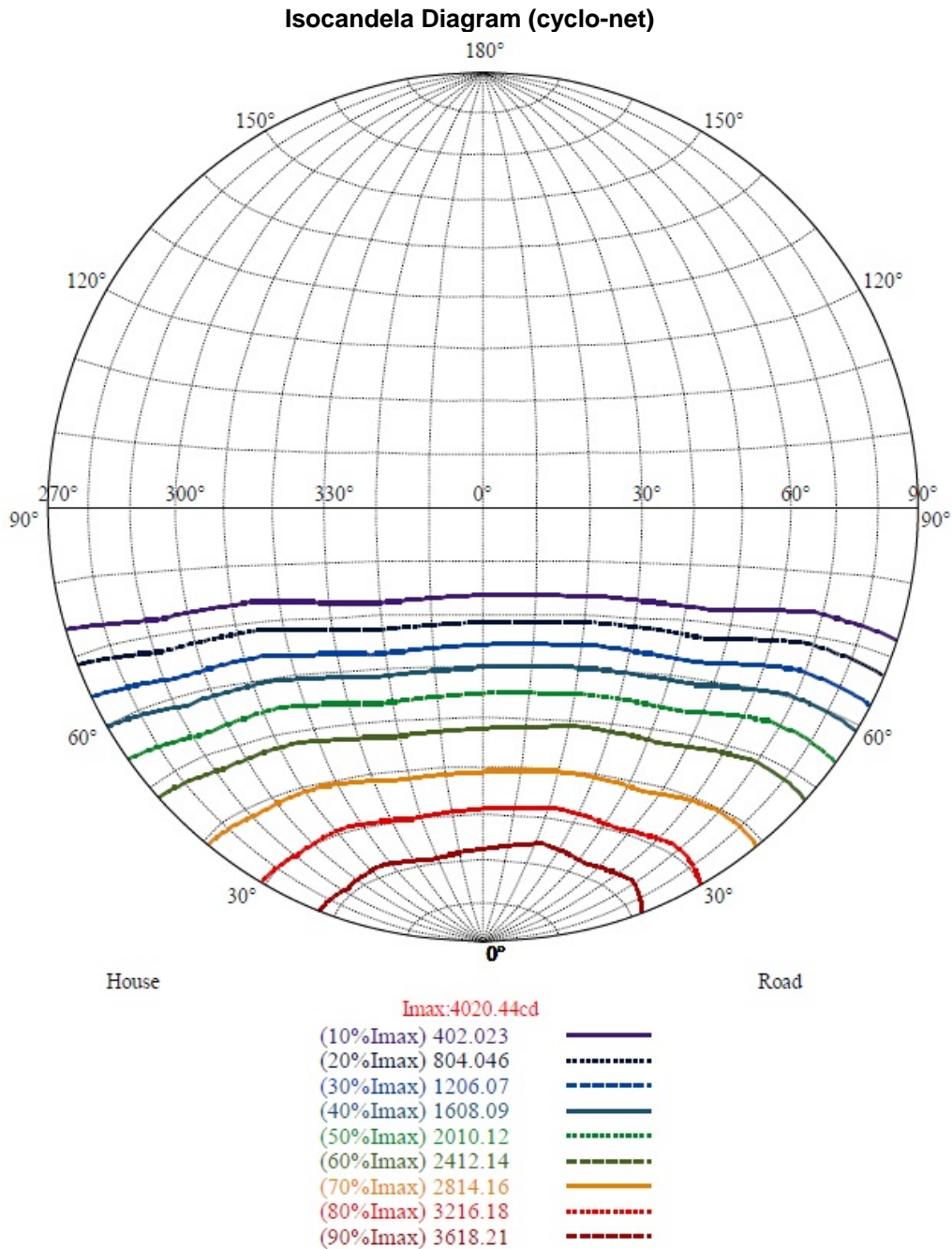
Luminous Intensity Distribution Diagram



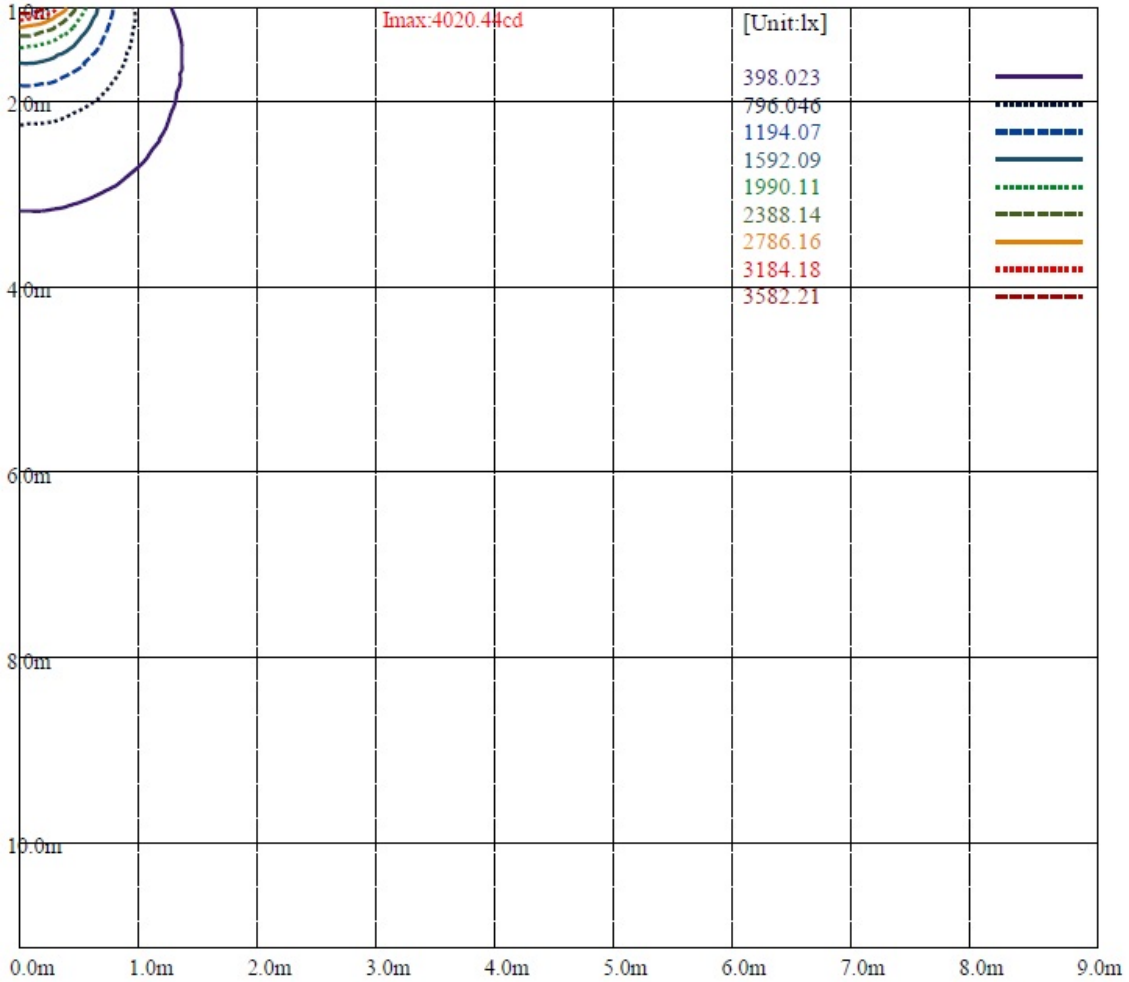
C22.5(Max): —
 C0/C180: —
 C90/C270: —

Lux distance curve

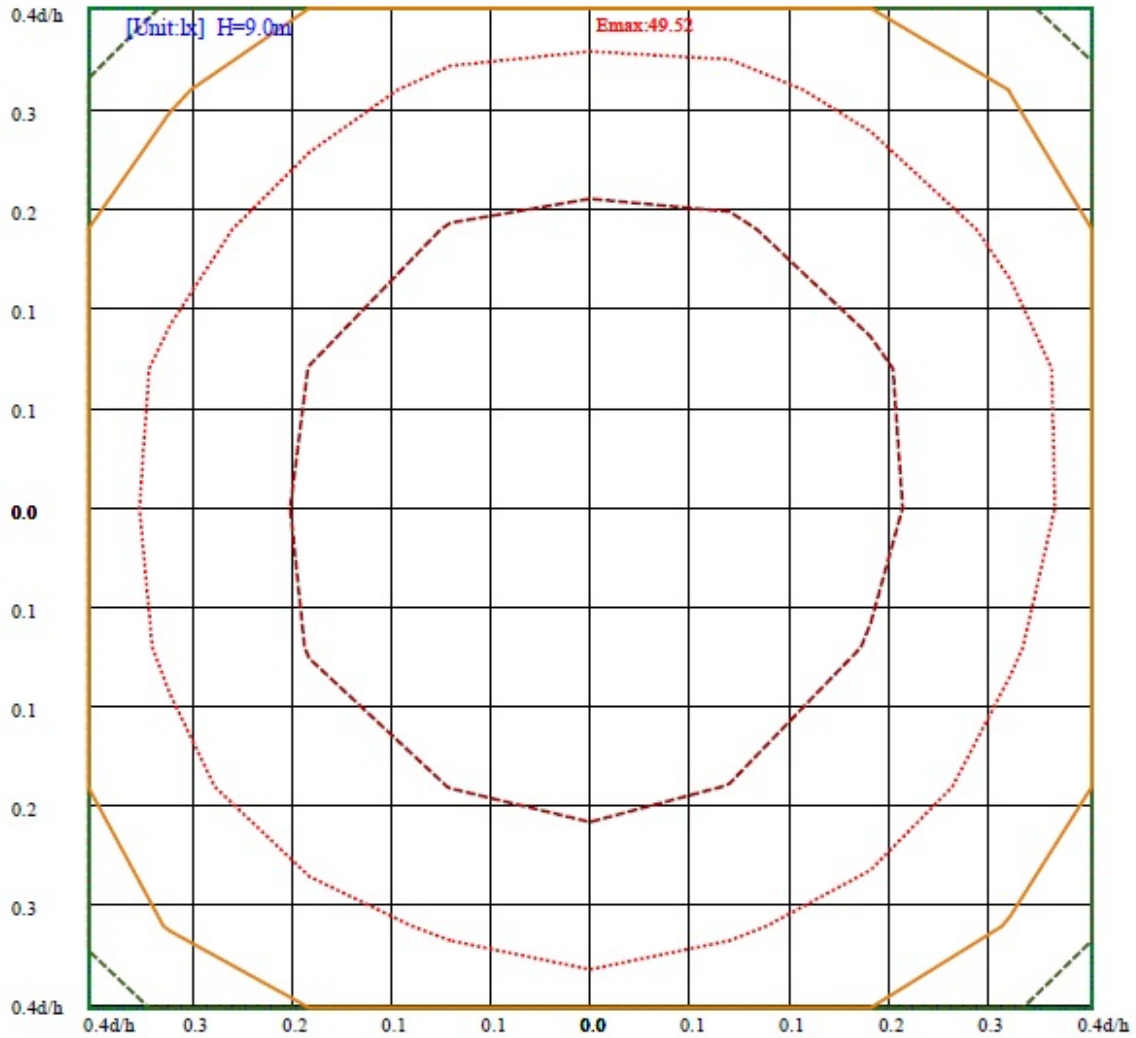




Isolux diagram

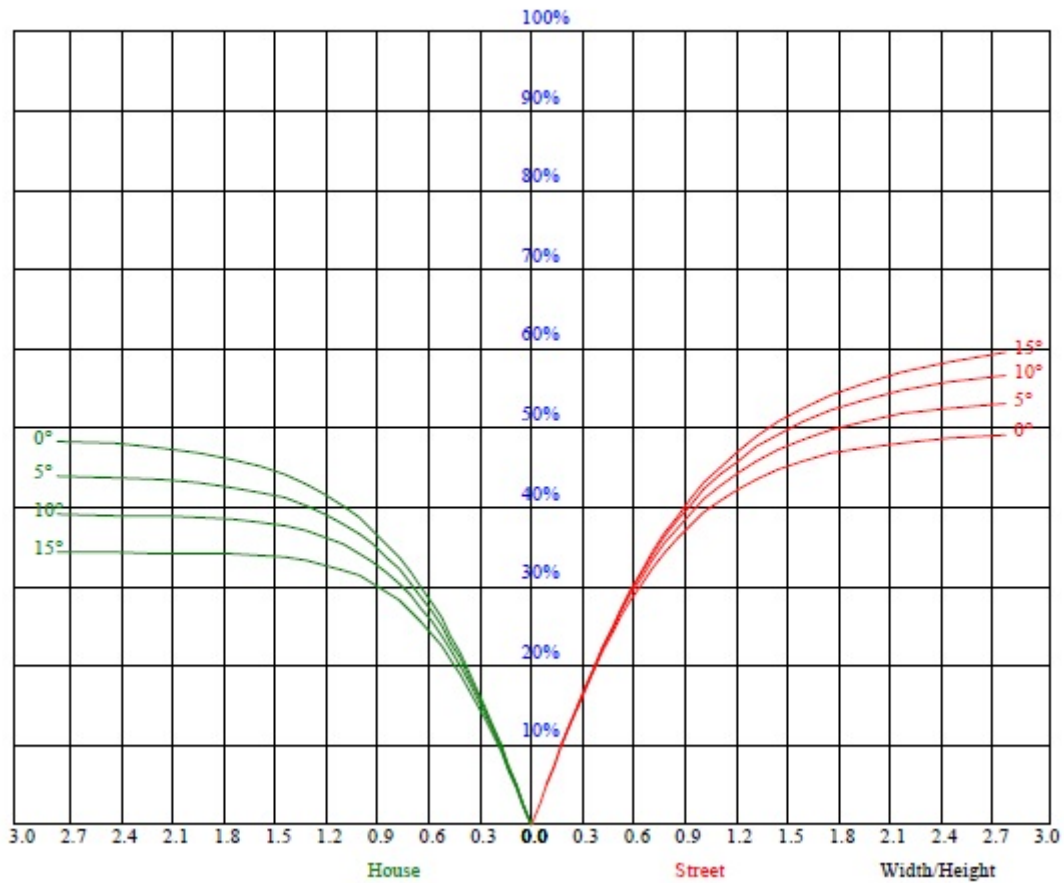


Isocandela diagram



| | |
|--------------------|-----------|
| (10%Emax) 4.951716 | ——— |
| (20%Emax) 9.903432 | - - - - - |
| (30%Emax) 14.85519 | - · - · - |
| (40%Emax) 19.80691 | ——— |
| (50%Emax) 24.75864 | - · - · - |
| (60%Emax) 29.71025 | - - - - - |
| (70%Emax) 34.66198 | ——— |
| (80%Emax) 39.6137 | - · - · - |
| (90%Emax) 44.56543 | - - - - - |

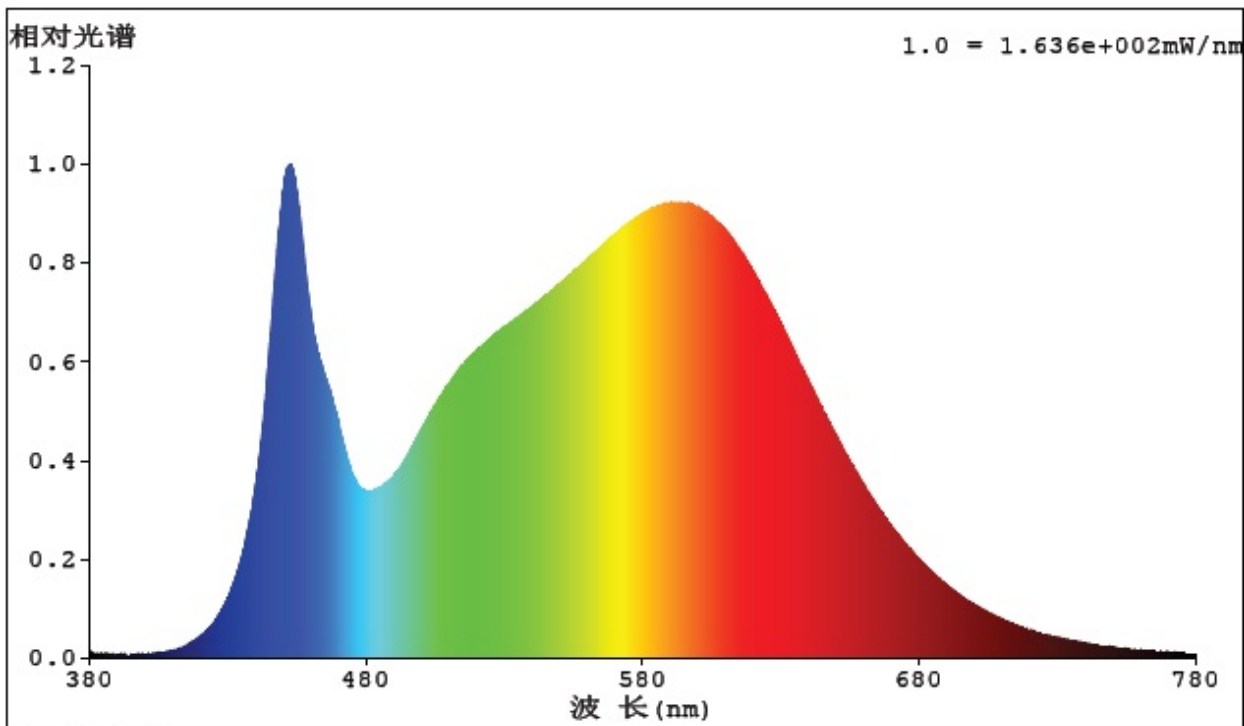
Coefficient Utilization Curve



Test Results:

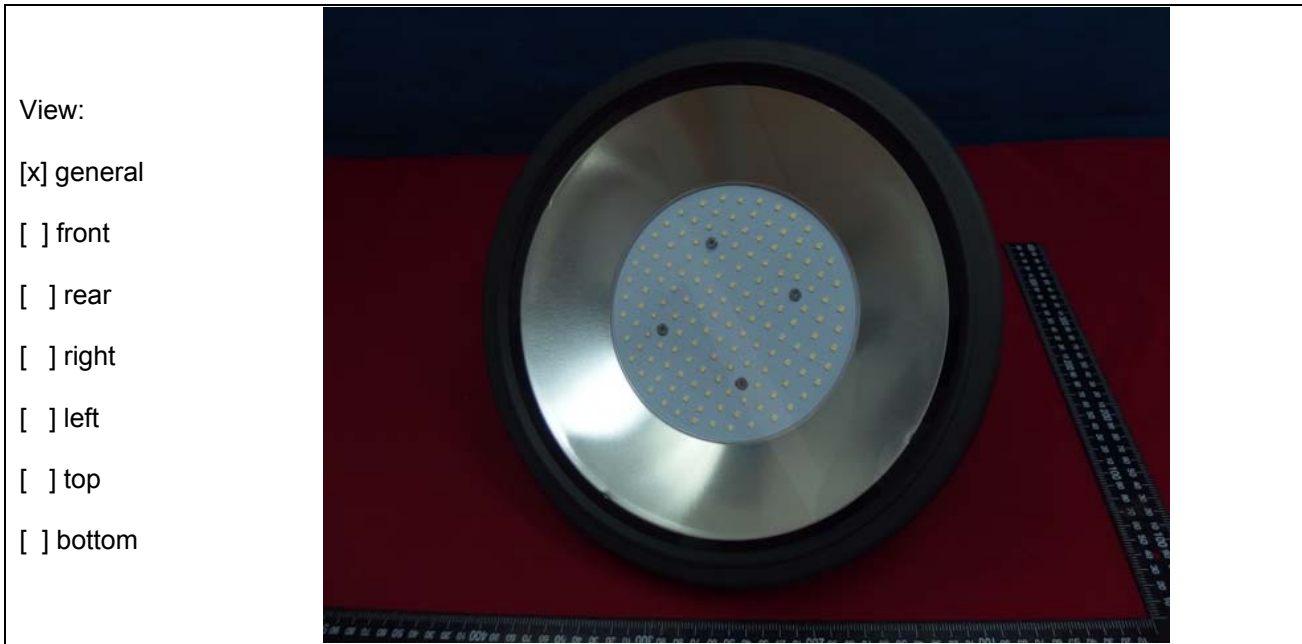
| Luminaire Input Voltage | Input Current | Luminaire Watts | Power Factor |
|-------------------------|-----------------|--------------------------|----------------------|
| 230 V | 0,413 A | 93,40 W | 0,983 |
| Radiant Flux mW | Peak wavelength | Corr.Color Temperature K | Color Rend. Index Ra |
| 26,510 W | 453 nm | 4114 K | 82,7 |
| Chroma x | Chroma y | Chroma u | Chroma v |
| 0,3774 | 0,3810 | 0,2214 | 0,5030 |

Spectrum distribution:



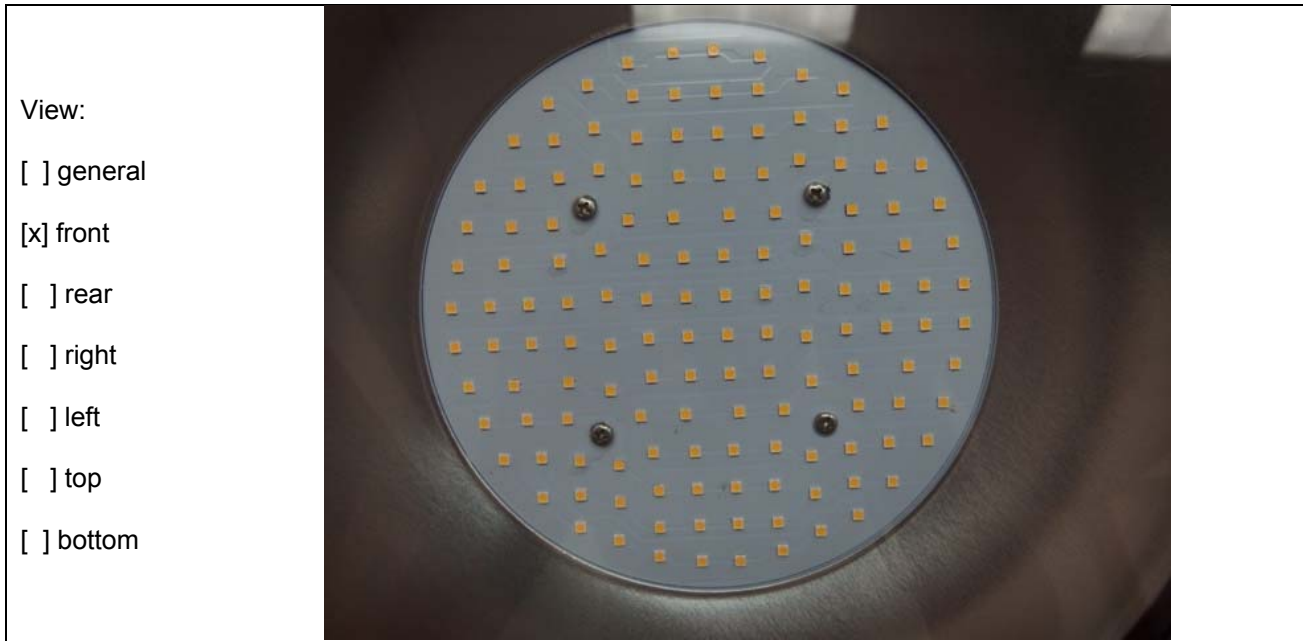
ANNEX 1: Photo documentation

Details of: General view for the product



Details of: General view for the product



Details of: General view for the LED

--- End of Report ---