TEST REPORT

Report Reference No. ..... :	2NL202112001
Date of issue ..... :	24/03/2021
No. of Pages	08
Testing Laboratory Name ..... :	Conformity Testing Labs Pvt. Ltd., Unit 2
Address ..... :	A-33, Mayapuri Industrial Area, Phase-I, New Delhi-110064, India
Manufacturer's Name.....	**Lite Technology Co. Pvt. Ltd.**
Address.....	2 ND FLOOR, HOUSE NO. 11, PLOT NO. 13, SAPNA IND. ESTATE, VILLAGE SARVALI, TAL-BHIWANDI, DIST.-THANE,MAHARASHTRA, India,421311
Applicant's Name ..... :	**Lite Technology Co. Pvt. Ltd.**
Address ..... :	2 ND FLOOR, HOUSE NO. 11, PLOT NO. 13, SAPNA IND. ESTATE, VILLAGE SARVALI, TAL-BHIWANDI, DIST.-THANE,MAHARASHTRA, India,421311
Test Report Form No..... :	CTL_PAR_TRF_V1.2
Master TRF Date.....:	2018.03
Test Report Form(s) Originator.... :	Conformity Testing Labs Pvt. Ltd., Unit 2, New Delhi
Test item description	LED Flood Light
Trade Mark	
Model/Type reference	ILLE100F57
Ratings	100W, 220-240V AC, 5700K
Serial No	2128B
Applicable Standard Specification	As per LM 79:2008

Tested by:	**Approved by / Authorized Signatory:**	**Issued by:**
		
Akhilesh Singh (Test Engineer)	**Anmol Srivastava (Head Technical)**	**Preeti Upadhyay (CSC Executive)**
Date: 24/03/2021	**Date: 24/03/2021**	**Date: 24/03/2021**

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Summary of testing:		
Sl. No.	**Name of the Test**	**Page No.**
1.	Input RMS AC Voltage	04
2.	Input RMS AC Current	04
3.	Input AC Power	04
4.	Power factor	04
5.	Frequency	04
6.	Total Luminous Flux	04
7.	Luminous Intensity Distribution	04
8.	Luminous Efficacy	04
9.	Chromaticity Coordinates	04
10.	Correlated Color Temperature	04
11.	Color Rendering Index	04
12.	V_{THD}	04
13.	I_{THD}	04

Tested By:

Issued By:

Possible test case verdicts:	
- test case does not apply to the test object .....:	N/A
- test object does meet the requirement .....:	P (Pass)
- test object does not meet the requirement .....:	F (Fail)
Testing .....:	
Date of receipt of test item .....:	23/03/2021
Date (s) of performance of tests.....:	23/03/2021
Condition of Samples.....:	Working condition
Laboratory conditions:	
Ambient Temperature.....:	(25 ± 10)°C
Ambient Humidity.....:	(60 ± 15)% RH

General remarks:

1. The test results presented in this report relate only to the object tested.
2. This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.
3. All the Tests has been performed on the submitted sample.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.

Details of Test Equipment Used

Equipment Calibration status

S. No.	Equipment Detail	Model	Equipment ID	Calibration status	Valid up to	Traceability
1.	C Type Gonio-photometer – GO-R5000 with total Spectral Radiant Flux Lamp (88.12V,7.2890A,omni-directional`)	D908S	CTL-584	Valid	Upto 100 hours of burning	NIST
2.	Digital Power Meter	PF310	CTL-584	Valid	16.03.2022	NPL, India

Tested By:

Issued By:

Discipline: Photometry
Group: Luminaires

Sl. No:	Requirement +Test	Measured Value/ observations	Verdict
1.	Electrical Instrumentation The Electrical Characteristics measured for AC Powered SSL Products are Input RMS Voltage	240.0V	--
2.	Input RMS Current	0.4317A	--
3.	Input Power	102.4W	--
4.	Power Factor	0.989	--
5.	Frequency	49.99Hz	--
6.	Total Luminous Flux	12026.1 lm	--
7.	Luminous Intensity Distribution	Attached as Attachment 1	--
8.	Luminous Efficacy	117.40lm/W	--
9.	Color Characteristics (Average) Chromaticity Coordinates	x=0.3272, y=0.3464	--
10.	Correlated Color Temperature (Average)	5727K	--
11.	Color Rendering Index (Average)	82.0	--
12.	V_{THD}	2.055%	--
13.	I_{THD}	6.546%	--

Supplementary Information:

1. The sample is tested according to IES LM 79-08.
2. Photometric parameters are obtained using C-type Goniophotometer and software.
3. The sample has been operated at AC 240V.
4. The sample has been operated for 45 minutes prior to measurement for a stable condition and total Measurement time is 95 minutes.
5. The orientation (burning position) of SSL product during test is its normal burning position.
6. The test distance is greater than 15 times the maximum light emitting area.
7. Total Spectral Radiant Flux Lamp, D908S of 600W (omni-directional) and NVLAP calibrated (NIST traceable) has been used as Standard Lamp.

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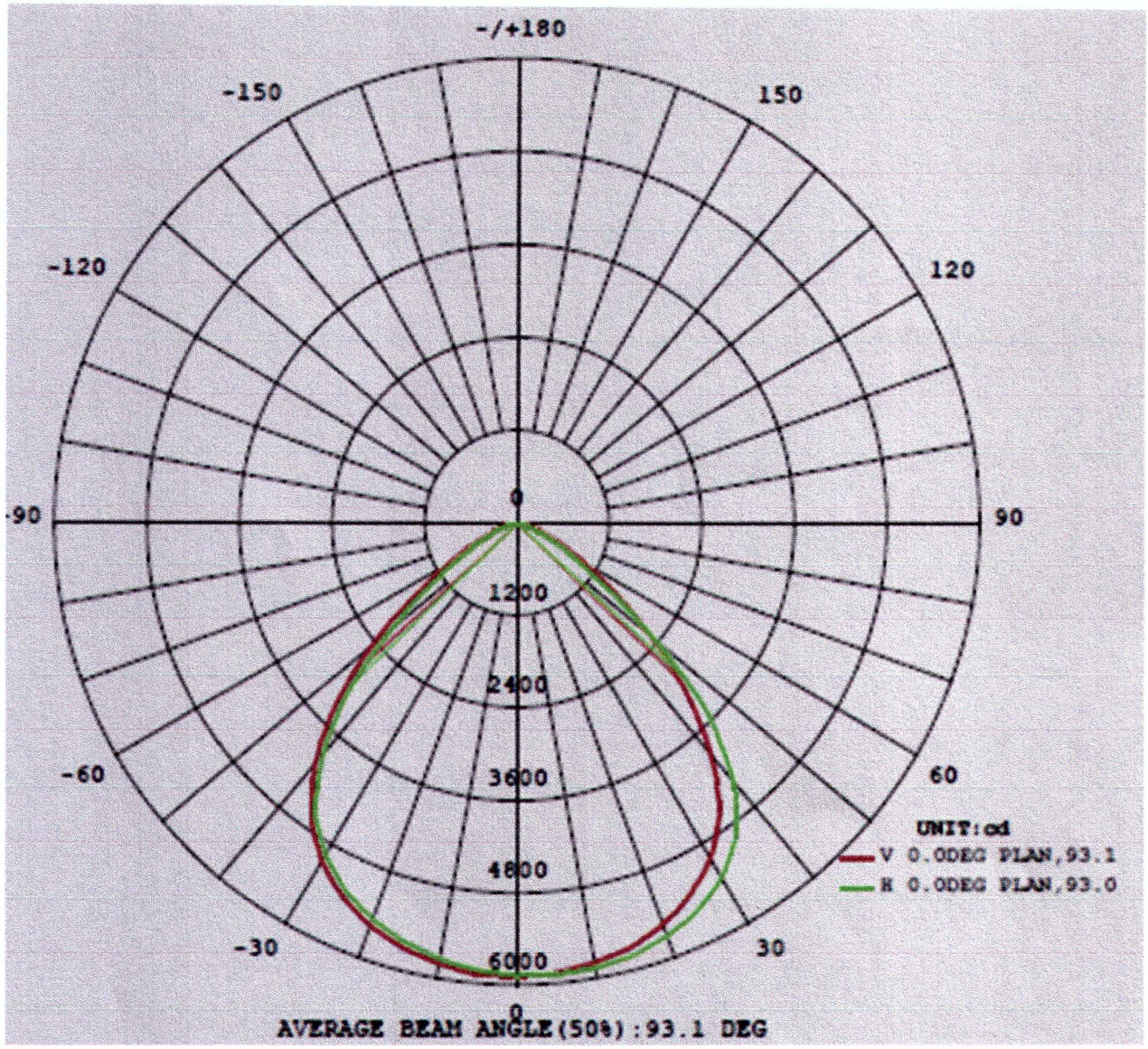
Attachment-1

Luminous Intensity Distribution Curve



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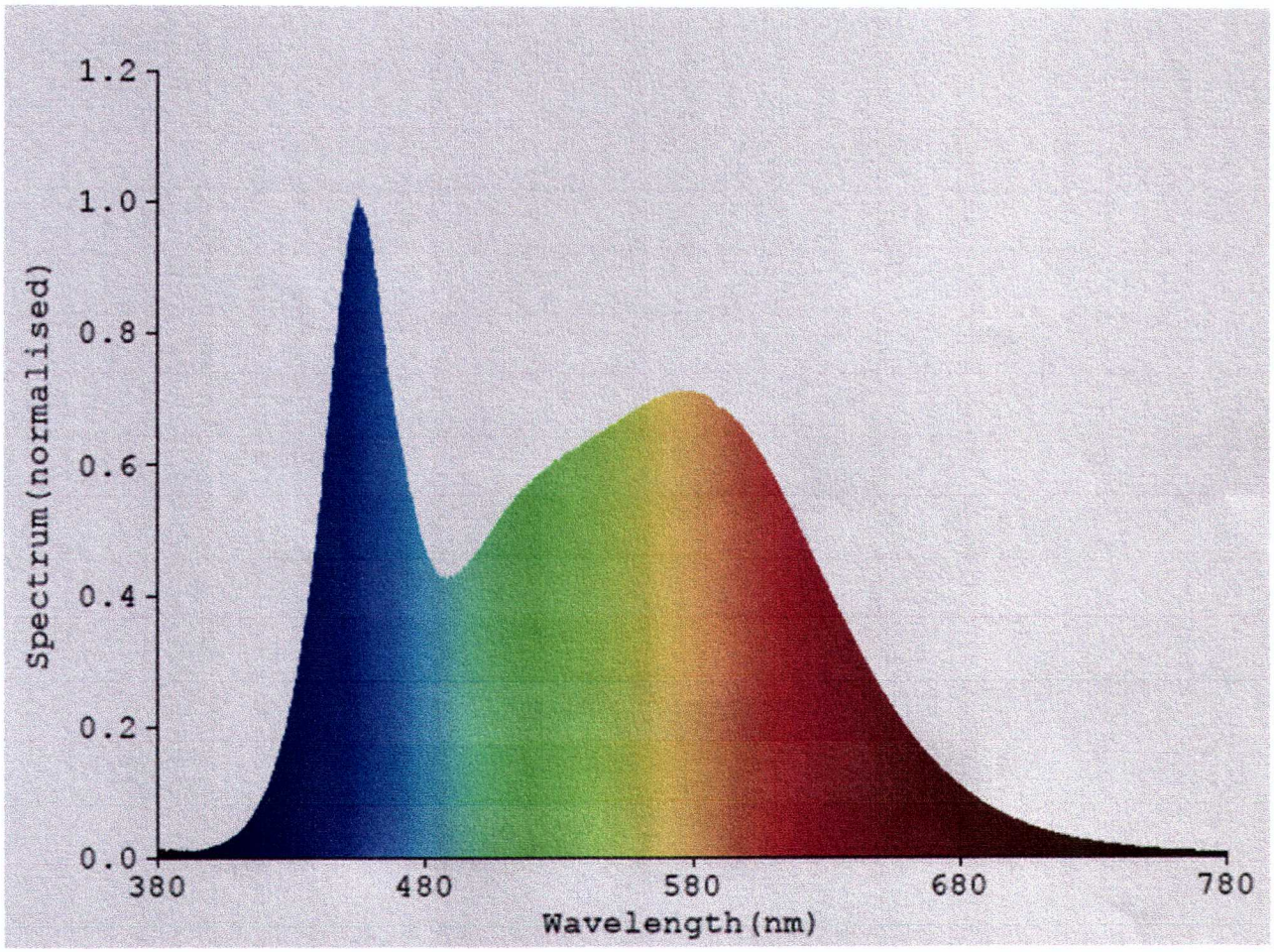
Attachment-2

Spectral Power Distribution



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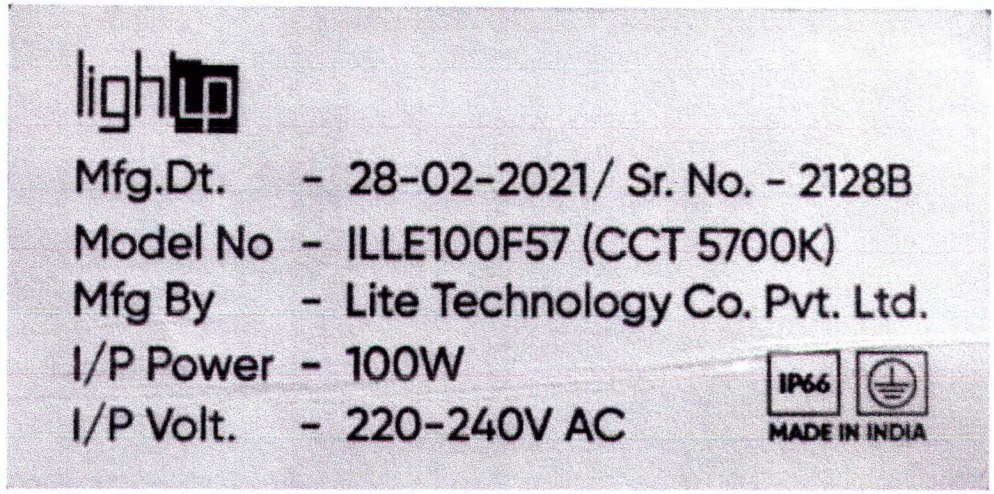
Attachment - 3
Marking and Photographs of the sample



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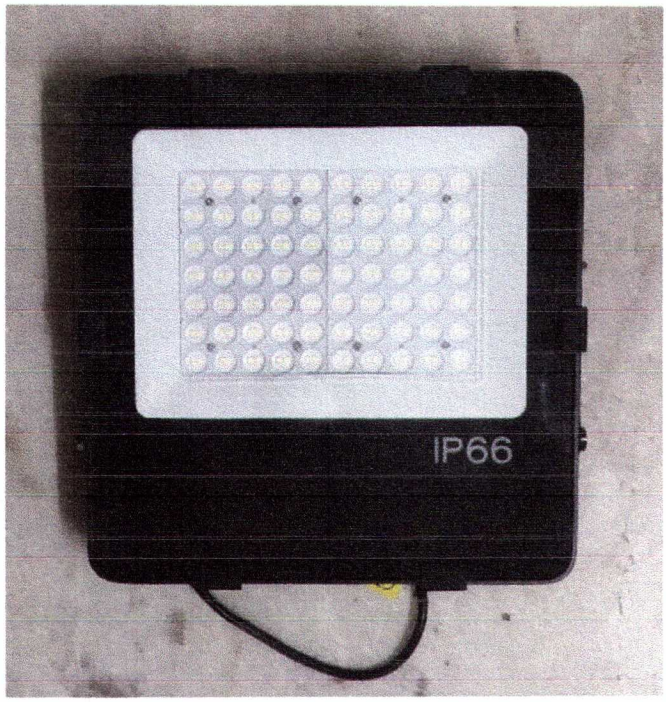
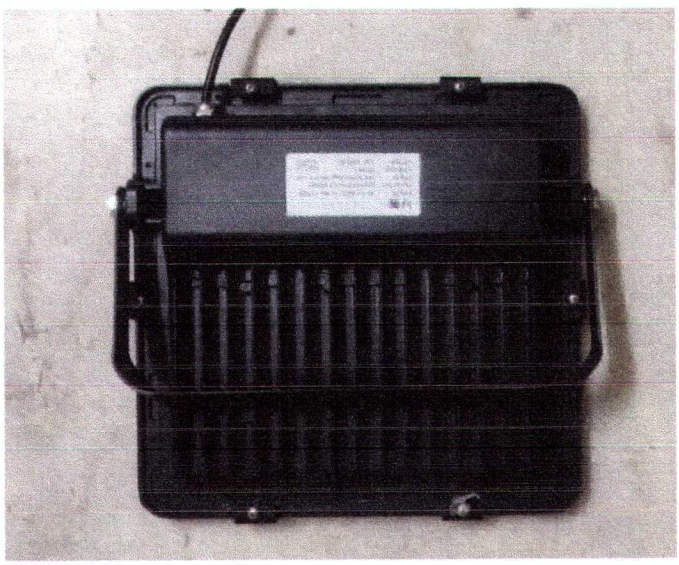
FRONT VIEW



REAR VIEW



END OF THE TEST REPORT

Tested By:

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