


## TEST REPORT

|  |                    |   |   |
|--|--------------------|---|---|
|  |                    | Format No. :VTL/FR/19   |   |
| Discipline:  | Photometry         | Group:  | luminaries  |
| Location of testing performance of the Laboratory &its Address:  |                    | Vardhamana Testing Laboratory<br>Plot No 403, Udyog Kendra Extn -II Ecotech -3, Greater Noida                 |   |
| Test Specification:  |                    | As per IES LM 79-08   |   |
| Report No.:  | VTL/TR/2024/01/061 | Issue Date:   | 24/01/2024  |
| ULR No. :  | TC112402400000061F | Page No.:   | 1 of 5  |
| Name & Address of Manufacturer:  |                    | Dreams electronics<br>Plot no -256 ecotech -3 extension -1 greater Noida 201306                               |   |
| Name & Address of Applicants:  |                    | Dreams electronics<br>Plot no -256 ecotech -3 extension -1 greater Noida 201306                               |   |
| <b>PART A. PARTICULARS OF SAMPLE SUBMITTED BY CUSTOMER</b>   |                    |   |   |
| a) Sample Name:  |                    | LED POST TOP LIGHT 80W  |   |
| b) Sample Description<br>(Rating/ Class/Type etc.)   |                    | Rated Voltage: 230 V AC, Rated Power: 80W, Frequency : 50Hz,<br>Rated current: $\geq 0.30$ A, PF: $\geq 0.95$ |   |
| c) Model Number:   |                    | DEDECOST080W65  |   |
| d) Brand Name:   |                    | DEGLOW  |   |
| e) Quantity of Sample:   |                    | 01  | <br>SCAN QR CODE TO<br>VERIFY REPORT |
| f) Date of Receipt of Sample:  |                    | 13/01/2024  |   |
| g) Date of performance of testing:   |                    | 20/01/2024  |   |
| h) Condition of sample received:   |                    | Good  |   |
| i) Environmental Conditions:   |                    | 25 $\pm$ 1°C/ 58% RH  |   |
| j)Code No./ Sr. No. / Batch No. /<br>Date ofManufacturer/ Seal & IO's<br>sign, if any  |                    | --  |   |
| l)Any Other Information, If Any:   |                    | Nil   |   |
| <b>PART B: SUPPLEMENTARY INFORMATIONS</b>  |                    |   |   |
| a) Reference to sampling procedure, wherever applicable  |                    |   | N/A   |
| b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and /or photographs, as appropriate to test report, if any (To be attached ): |                    |   | See Attachment No. 1  |
| c) Deviation from the test methods as prescribed in relevant ISS/ work instructions,   |                    |   | N/A   |



|   |   |   |
|---|---|---|
| Tested By:  | Approved By (Authorized Signatory):   | Issued By:  |
|  |  |  |
| Pooran (Testing Engineer)   | R.K Srivastava(Technical Manager)   | Pooja Jain (Lab Head)   |

## TEST REPORT

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ULR No. TC112402400000061F

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DISCIPLINE : Photometry

GROUP: luminaries

### Test Conducted :

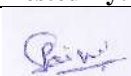
| Sl. No. | CL. no. | Tests with Clause No.                 | Parameter                       | Observation    |
|---------|---------|---------------------------------------|---------------------------------|----------------|
| 1.      |         | Electrical Parameter                  |                                 |                |
| a.      | 8       | (LM-79-08)                            | Input Voltage (V)               | 229.48 V       |
| b.      |         |                                       | Input Current(I)                | 0.3593 A       |
| c.      |         |                                       | power(W)                        | 79.83 W        |
| d.      |         |                                       | Power Factor                    | 0.9680         |
| e.      |         |                                       | Frequency (Hz)                  | 50Hz           |
| 2.a)    | 9       | Photometric Parameter<br>( LM 79-08 ) | Luminous Flux                   | 9042.81 lm     |
| b.      | 10      |                                       | Luminous Intensity Distribution | Graph attached |
| c       | 11      |                                       | Luminaire Efficacy              | 113.27 lm/W    |
| 3.      | 12      | Color Characteristics<br>( LM 79-08 ) | Chromaticity -Coordinate        |                |
| a.      |         |                                       | X- Coordinate                   | 0.4163         |
|         |         |                                       | Y-Coordinate                    | 0.3959         |
| b.      |         |                                       | Correlated Color Temperature    | 3312 K         |
| c.      |         |                                       | Render Index                    | 80.3           |

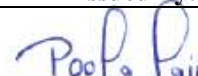


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Issued By:





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Pooja Jain (Lab Head)

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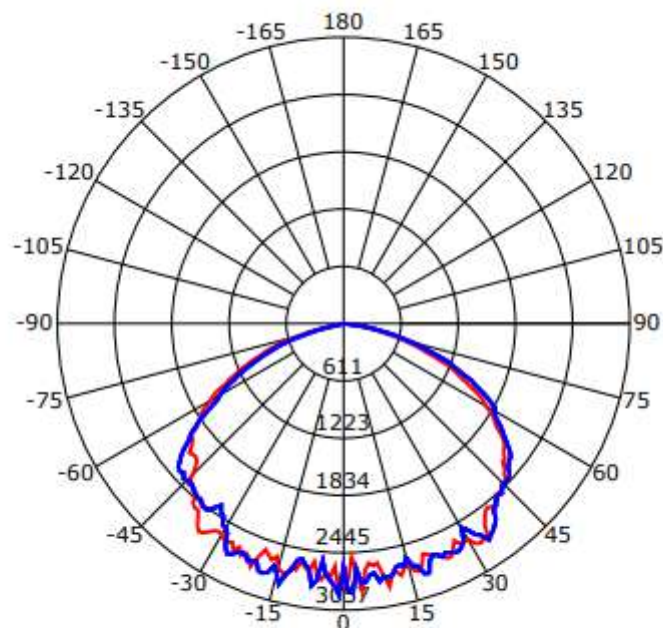
DISCIPLINE : Photometry

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Luminous Intensity Distribution Curve

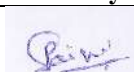


Beam Angle(50%) C0-180,C90-270: 127.4 deg,127.6 deg

C0-180 ——— C90-270 ———



Tested By:



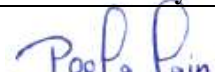
Pooran (Testing Engineer)

Approved By (Authorized Signatory):



R.K. Srivastava (Technical Manager)

Issued By:



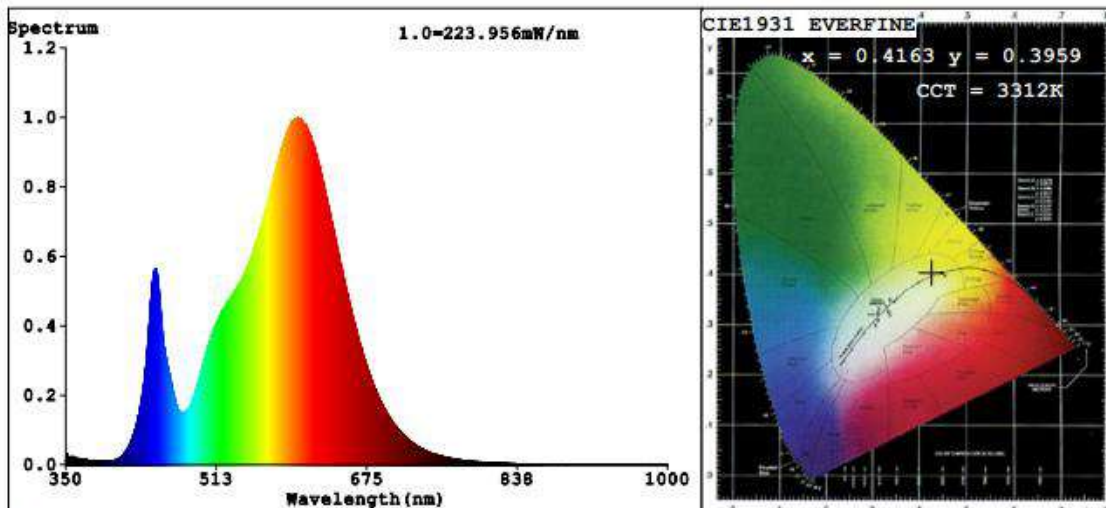
Pooja Jain (Lab Head)

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### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.4163$   $y=0.3959$   $u'=0.2514$   $v'=0.5183$   
CCT=3312K (Duv=-0.0022) Dominant WL:Ld =583.6nm WL:Lc = --nm Purity=49.5%  
Ratio:R=22.6% G=75.0% B=2.3%; Peak WL:Lp=600.9nm FWHM=119.7nm  
Render Index:Ra=80.3 AvgR=74.4

R1 =78 R2 =89 R3 =96 R4 =78 R5 =79 R6 =86 R7 =81  
R8 =55 R9 =0 R10=75 R11=78 R12=72 R13=80 R14=98 R15=71



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### Sample photo

### Attachment 1



### Remarks :

1. This Report refers to the particular item submitted for testing.
2. This Report shall not be reproduced, except in full, unless written permission for the publication of an approved abstract has been obtained from the authorized Signatory of VARDHAMANA TESTING LABORATORY GREATER NOIDA
3. The results reported in the report are valid at the time of and under the stated conditions of measurement.
4. VTL is not giving any decision rule. Only statement of conformity is given as per standard if applicable and required by the customer.

**END OF TEST REPORT**



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