



# Vardhamana Testing Laboratory

(LABORATORY IN ELECTRICAL, ELECTRONICS & PHOTOMETRY TESTING)  
 Plot No.-403, Udyog Kendra-II, Ecotech-III, Greater Noida-201306 (U.P.)  
 Tel. : 0120-6811256

E-mail: info@vardhamanatestlab.com, Web.: www.vardhamanatestlab.com



## TEST REPORT

Discipline: Photometry		Group: Luminaries	Format No. :VTL/FR/19
Location of testing performance of the Laboratory & its Address:		Vardhamana Testing Laboratory Plot No 403, Udyog Kendra Extn -II Ecotech -3, Greater Noida.	
Test Method & Procedure :		As per IES LM 79-08	
Report No. :	VTL/TR/2024/10/121	Issue Date :	25/11/2024
ULR No. :	TC1124024000002020F	Page No. :	1 of 5
Name & Address of Manufacturer:		InnovateNX PVT. LTD. 03, Sukh Samriddhi Parisar, Shivaji Nagar Moti Bunglow, Dewas, Madhya Pradesh 455001	
Name & Address of Applicants :		InnovateNX PVT. LTD. 03, Sukh Samriddhi Parisar, Shivaji Nagar Moti Bunglow, Dewas, Madhya Pradesh 455001	
<b>PART A. PARTICULARS OF SAMPLE SUBMITTED BY CUSTOMER</b>			
a) Sample Name:	200W STREET LIGHT		
b) Sample Description (Rating/ Class/Type etc.)	AC 120-280V, 50Hz, 250W, >30000lm, 6200K-6500K, 131lm/W, P.F: >0.98		
c) Model No.	---		
d) Brand Name:			
e) Quantity of Sample:	01		
f) Date of Receipt of Sample:	24/10/2024		
g) Date of performance of testing:	25/10/2024		
h) Condition of sample received :	Good		
i) Environmental Conditions :	25±1°C / 53% RH		
j) Code No./ Sr. No. / Batch No. / Date of Manufacturer/ Seal & IO's sign , if any	Rated Voltage: AC 120-280V, Test Voltage: AC 230V, Rated Wattage: 200W, Rated Lumen: >30000lm, P.F: >0.95, Rated Frequency: 50Hz, Rated Colour Temperature: 6200K-6500K, Rated Colour Rendering Index: >80, Rated Luminous efficacy: 131lm/W		
k) Any Other Information , If Any:	--		
<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 1
c) Deviation from the test methods as prescribed in relevant ISS/ work instructions,			N/A
Tested By:	Approved By (Authorized Signatory):		
Bhuwan Verma (Testing Engineer)	R.K Srivastava (Technical Manager)	Pooja Jain (Lab Head)	



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TC-11240

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GROUP: Luminaries

### Tests Conducted:

Sl. No.	CL. no.	Tests with Clause No.	Parameter	Observation
1.		Electrical Parameter		
a.	8	(LM-79-08)	Input Voltage (V)	230.64 V
b.			Input Current(I)	0.8842A
c.		---	power(W)	199.07W
D			Power Factor	0.9762
2.a)	9	Photometric Parameter ( LM 79-08 )	Luminous Flux	26181.68 lm
b.	10		Luminous Intensity Distribution	Graph attached
c	11		Luminaire Efficacy	131.52 lm/W
3.	12	Colour Characteristics ( LM 79-08 )	Chromaticity -Coordinate	
a.			x- Coordinate	0.3270
b.			y-Coordinate	0.3400
c.			Correlated Colour Temperature	5744K
d			Render Index	71.5



Tested By:	Approved By (Authorized Signatory):	Issued By:
<i>Bhuwan</i>	<i>R.K. Srivastava</i>	<i>Pooja Jain</i>
Bhuwan Verma (Testing Engineer)	R.K Srivastava(Technical Manager)	Pooja Jain (Lab Head)



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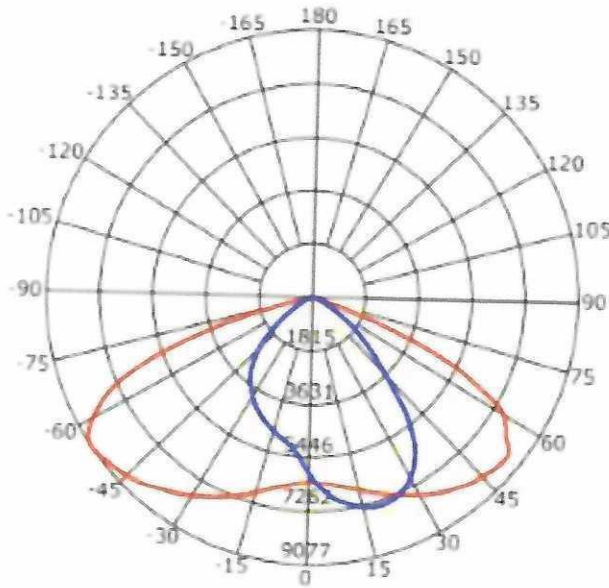
DISCIPLINE : Photometry

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Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180, C90-270: 136.8 deg, 77.5 deg

C0-180 ——— C90-270 ———



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<i>Bhuwan</i>	<i>R.K. Srivastava</i>	<i>Pooja Jain</i>
Bhuwan Verma (Testing Engineer)	R.K. Srivastava (Technical Manager)	Pooja Jain (Lab Head)



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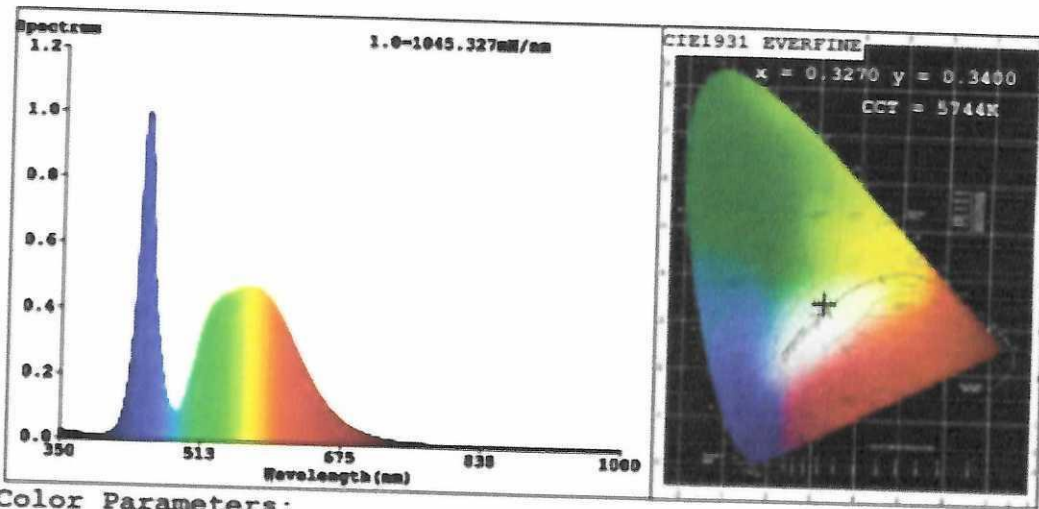
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### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.3270$   $y=0.3400$   $u'=0.2036$   $v'=-0.4762$   
 CCT=5744K (Duv=0.0019) Dominant WL:  $L_d=506.4$ nm WL:  $L_c=$  --nm Purity=1.9%  
 Ratio: R=13.0% G=83.7% B=3.4% || Peak WL:  $L_p=447.7$ nm FWHM=17.7nm  
 Render Index:  $R_a=71.5$   $AvgR=63.2$

R1 -69 R2 -75 R3 -79 R4 -73 R5 -71 R6 -67 R7 -80  
 R8 -58 R9 -0 R10 -41 R11 -71 R12 -42 R13 -70 R14 -88 R15 -64



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

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### SAMPLE PHOTO:-



#### General 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 Authorised 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



Tested By: <i>Bhuwan</i>	Approved By (Authorized Signatory): <i>R.K. Srivastava</i>	Issued By: <i>Pooja Jain</i>
Bhuwan Verma (Testing Engineer)	R.K. Srivastava (Technical Manager)	Pooja Jain (Lab Head)