



VARDHAMANA TESTING LABORATORY OPC PVT LTD

(LABORATORY IN ELECTRICAL, ELECTRONICS, EMC & 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

		Format No. :VTL/FR/19	
Discipline:	Photometry	Group:	Luminaries
Location of testing performance of the Laboratory & its Address:		VARDHAMANA TESTING LABORATORY OPC PVT LTD Plot No 403, Udyog Kendra Extn -II Ecotech -3, Greater Noida-201306 (UP)	
Test Method/Procedure:		As per IES LM 79-08	
Report No.:	VTL/TR/2025/05/369	Issue Date:	28/05/2025
ULR No. :	TC1124025000001220F	Page No.:	1 of 6
Name & Address of Manufacturer:		DREAMS ELECTRONICS PLOT NO 256UDYOG KENDREA EXTENSION ,1ECOTECH 3 GREATER NOIDA UTTAR PRADESH,NA, UTTAR PRADESH, India - 201307	
Name & Address of Applicants:		DREAMS ELECTRONICS PLOT NO 256UDYOG KENDREA EXTENSION ,1ECOTECH 3 GREATER NOIDA UTTAR PRADESH,NA, UTTAR PRADESH, India - 201307	
PART A. PARTICULARS OF SAMPLE SUBMITTED BY CUSTOMER			
a) Sample Name:	LED Street Light		
b) Sample Description (Rating/ Class/Type etc.)	Rated Voltage: 240VAC, Rated Wattage: 70W, Frequency: 50Hz, Power Factor: >0.95, THD: <10%, Surge: 6KV		
c) Model Number:	----		
d) Brand Name:			
e) Quantity of Sample:	01		
f) Date of Receipt of Sample:	23/05/2025		
g) Date of performance of testing:	24/05/2025		
h) Condition of sample received:	Good		
i) Environmental Conditions:	25±1°C/ 55% RH		
j) Code No./ Sr. No. / Batch No. / Date of Manufacturer/ Seal & IO's sign, if any			
l) Any Other Information, If Any:			
PART B: SUPPLEMENTARY INFORMATIONS			
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		
c) Deviation from the test methods as prescribed in relevant ISS/ work instructions,	N/A		
Disclaimer : The* Information are provided by the manufacturer and it is verified through the request form , Vardhamana testing laboratory OPC Private Limited is not responsible for the above information accuracy.			



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



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Test Conducted :

Sl. No.	CL. no.	Tests with Clause No.	Parameter	Observation
1.		Electrical Parameter		
a.	8	(LM-79-08)	Input Voltage (V)	239.80VAC
b.			Input Current(I)	0.2952A
c.			power(W)	69.86W
d.			Power Factor	0.9870
e.			Frequency (Hz)	50Hz
2.a)	9	Photometric Parameter (LM 79-08)	Luminous Flux	9734.99 lm
b.	10		Luminous Intensity	Graph Attached
c.	11		Luminaire Efficacy	139.35 lm/W
3.	12	Color Characteristics (LM 79-08)	Chromaticity –Coordinate	
a.			x- Coordinate	0.3221
b.			y-Coordinate	0.3318
c.			Correlated Color Temperature	5997 K
d.			Render Index	73.9



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TC-11240

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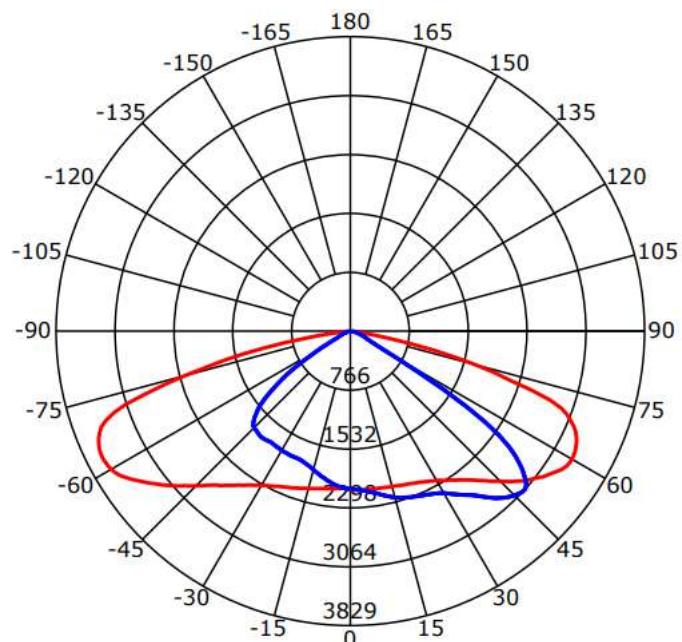
DISCIPLINE : Photometry

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Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 151.1 deg,108.1 deg



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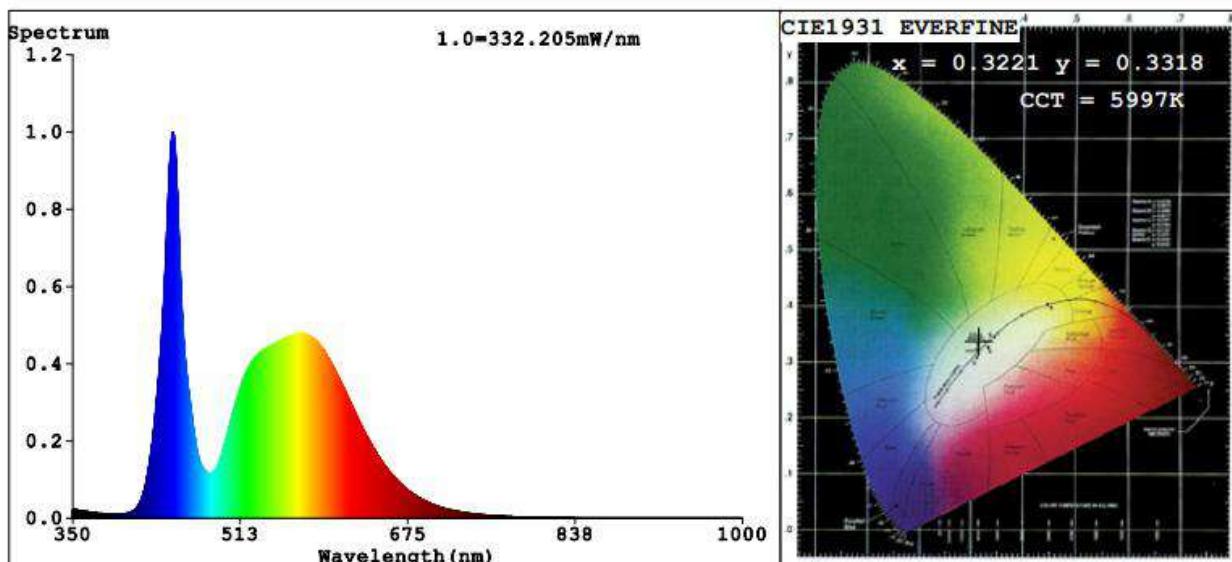
DISCIPLINE : Photometry

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Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3221$ $y=0.3318$ $u'=0.2033$ $v'=0.4712$

CCT=5997K (Duv=-0.0000) Dominant WL:Ld = 489.9nm WL:Lc = --nm Purity=3.9%

Ratio: R=13.0% G=83.1% B=3.9%; Peak WL:Lp=447.3nm FWHM=19.8nm

Render Index: Ra=73.9 AvgR=66.0

R1 = 72	R2 = 77	R3 = 81	R4 = 76	R5 = 74	R6 = 70	R7 = 81
R8 = 60	R9 = 0	R10=46	R11=75	R12=49	R13=73	R14=89
						R15=67



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VARDHAMANA
TESTING LABORATORY

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Sample Photo:

Attachment 01:-



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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 OPC PVT LTD GREATER NOIDA
3. The results reported in the report are valid at the time of and under the stated conditions of measurement.
4. Simple acceptance decision rule has been used for conformity of statement.

END OF TEST REPORT



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