

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		
Test Method & Procedure :		As per IES LM 79-08		
Report No. :	VTL/TR/2025/06/034	Issue Date :	18/06/2025	
ULR No. :	TC1124025000001391F	Page No. :	1 of 5	
Name& Address of Manufacturer:		S V ELECTRICALS AND INDUSTRIES PLOT NO.18, SECTOR B INDUSTRIAL AREA, GOVINDPURA, BHOPAL, BHOPAL, MADHYA PRADESH, 462001		
Name & Address of Applicants :		S V ELECTRICALS AND INDUSTRIES PLOT NO.18, SECTOR B INDUSTRIAL AREA, GOVINDPURA, BHOPAL, BHOPAL, MADHYA PRADESH, 462001		
PART A. PARTICULARS OF SAMPLE SUBMITTED BY CUSTOMER				
a) Sample Name:		LED FLOOD LIGHT		
b) Sample Description (Rating/ Class/Type etc.)		Rated Voltage: 240V AC, Rated Wattage: 150W, Frequency: 50Hz		
c) Model No.		---		
d) Brand Name:				
e) Quantity of Sample:		01		
f) Date of Receipt of Sample:		11/06/2025		
g) Date of performance of testing:		12/06/2025		
h) Condition of sample received :		Good		
i) Environmental Conditions :		25±1°C/ 56% RH		
j) Code No./ Sr. No. / Batch No. / Date of Manufacturer/ Seal & IO's sign , if any		----		
k) 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 1	
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:
		
Bhuwan Verma (Testing Engineer)	R.K Srivastava(Technical Manager)	Pooja Jain (Lab Head)

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Tests Conducted:

Sl. No.	CL. no.	Tests with Clause No.	Parameter	Observation
1.		Electrical Parameter		
a.	8	(LM-79-08)	Input Voltage (V)	239.27 V
b.			Input Current(I)	0.6362 A
c.		----	power(W)	151.28 W
D			Power Factor	0.9938
2.a)	9	Photometric Parameter (LM 79-08)	Luminous Flux	22711.66 lm
b.	10		Luminous Intensity Distribution	Graph attached
c	11		Luminaire Efficacy	150.13 lm/W
3.	12	Colour Characteristics (LM 79-08)	Chromaticity -Coordinate	
a.			x- Coordinate	0.3238
b.			y-Coordinate	0.3382
c.			Correlated Colour Temperature	5895K
d.			Render Index	82.0



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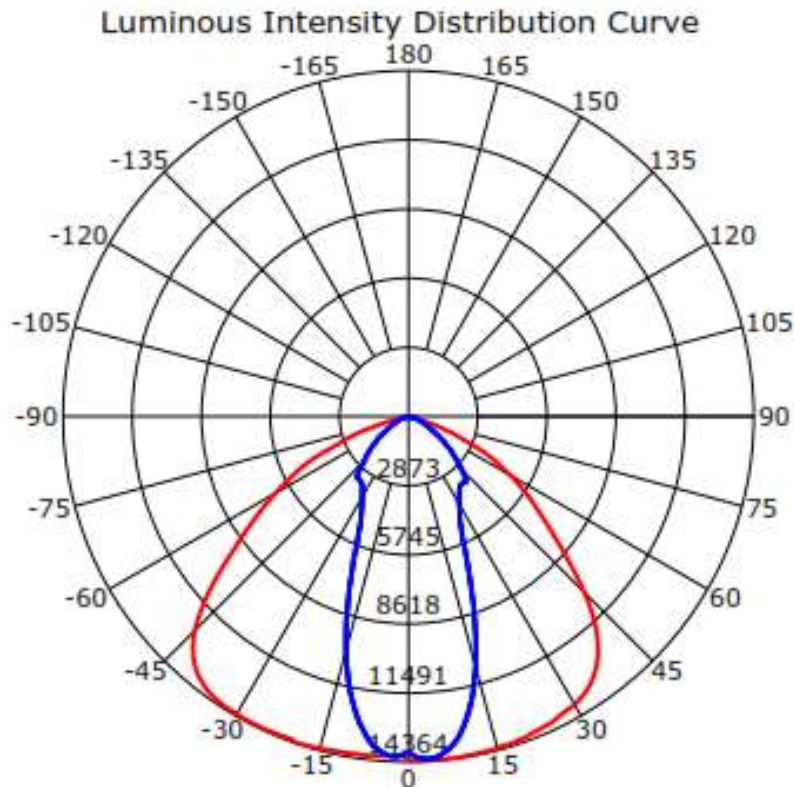
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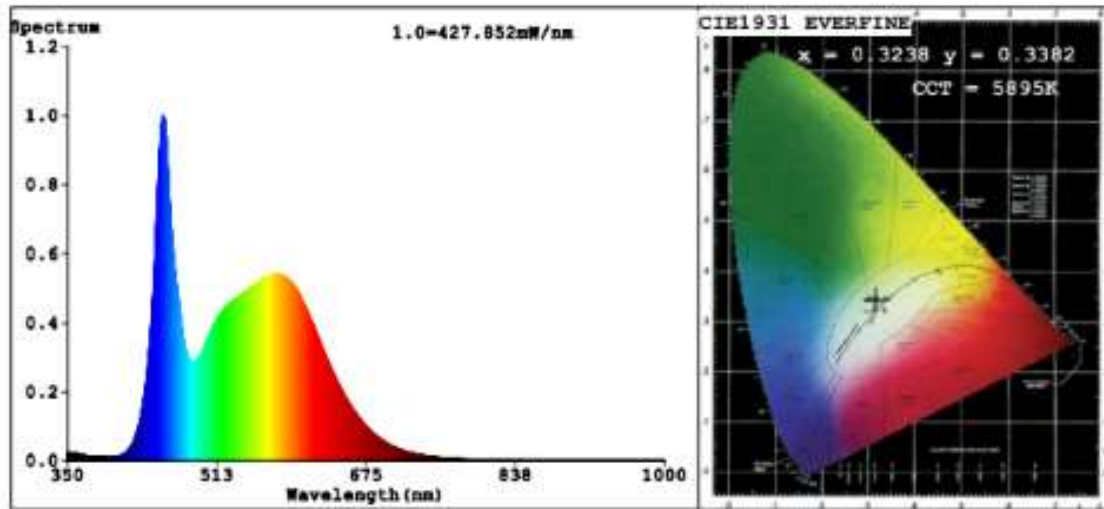
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Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3238$ $y=0.3382$ $u'=0.2021$ $v'=0.4748$

CCT=5895K(Duv=0.0025) Dominant WL:Ld =498.4nm WL:Lc = --nm Purity=3.0%

Ratio:R=13.9% G=80.4% B=5.7%;;Peak WL:Lp=454.1nm FWHM=25.7nm

Render Index:Ra=82.0 AvgR=74.8

R1 =80	R2 =90	R3 =94	R4 =79	R5 =81	R6 =84	R7 =85	
R8 =64	R9 =0	R10=75	R11=78	R12=60	R13=83	R14=97	R15=74



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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 OPC PVT LTD.
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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