100W LED FLOOD LIGHT

Photometric & Electrical Measurement (As per IES LM 79-08 / IS 16106-12)

100W Energy Efficient LED Flood Light

Issued by: Halonix Technologies Private Limited (NABL Certification No: TC-7634)
01/16/2019

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Test Report

Report Number: 16-01-2019 -001	**Date:**	16-01-2019
Product Description: 100W Energy Efficient LED Flood Light		
Product Catalogue Reference: HLFLD-ML21-100-CWL	**Brand:**	HALONIX
Construction: Pressure die casted aluminum housing, Glass front visor, SMD LED, Electronic driver etc.		

Test Details:	**Document References/Standard:**
• Light intensity distribution Measurement • Total Lumen output Measurement • Electrical Parameters Measurement	• IES-LM-79-08 “Electrical and Photometric Measurements of Solid-State Lighting Products” • IS : 16106-2012 “Method of Electrical and Photometric solid state lighting (LED) Products” • IS : 16105-2012 "Method of measurement of Lumen maintenance of solid state light sources"
Enclosures:	
Prepared By:	**Approved By:**
Sanjay Sharma	Rajeev Chhabra

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Electrical & Photometric Test Report

Photometric Test Report: (As Per IES LM 79-08) **Sample ID:** 16-01-2019 -001			
Catalogue Reference:	HLFLD-ML21-100-CWL	**Testing Date:**	16-01-2019
Testing Agency:	HTPL Laboratory	**Brand:**	HALONIX
Equipment Used:	EVERFINE Brand Gonio Photometer (Type: GO - 2000B V1) and Globe Photometer (Type: PMS – 50/80) with Power Meter		

Ambient Temperature:	25±2°C	**Relative Humidity:**	65%
Test Voltage:	240V	**Frequency:**	50Hz
Stabilization Time:	30Min	**Total Operating Time:**	1.30Hours

Rated Performance Parameters:			
Rated Wattage :	100W	**Rated Input Current :**	0.482A
Nomical CCT :	5700K	**Nominal CRI :**	>70

Measured Electrical Parameters:			
Supply Voltage : **Frequency :**	240V 50Hz	**Input Current :**	0.42A
Total Power :	99.26W	**Power Factor :**	0.985

Photometric Measurement Data:			
Total Measured Lumen :	10146.36lm	**Luminaries Efficacy :**	102.22lm/W
CCT :	5810K	**CRI :**	71.3
Light Intensity Distribution:		Attached (Refer to Page No. 4)	
Approved By: Rajeev Chhabra		**Tested By:** Sanjay Sharma	

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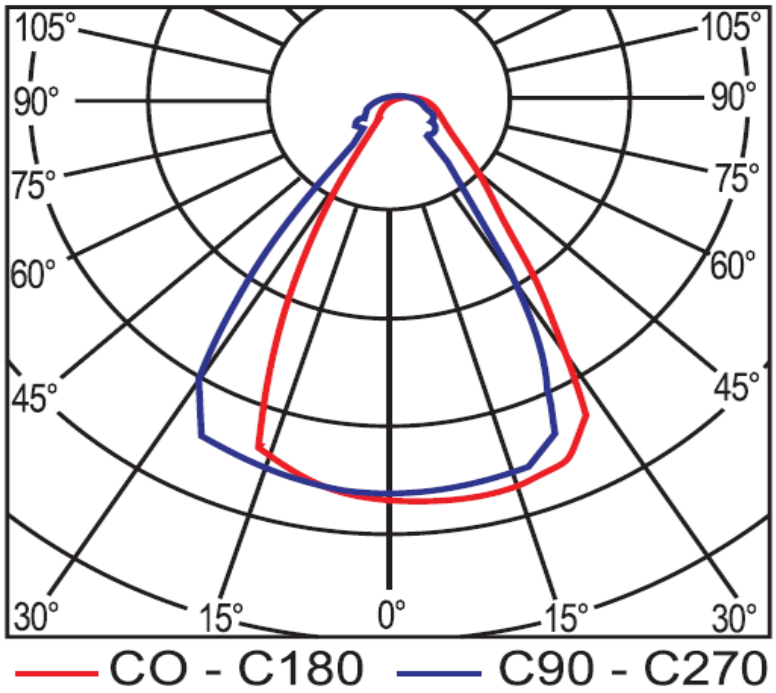
Light intensity Distribution Diagram



Catalogue Reference	HLFLD-ML21-100-CWL	**Sample ID**	16-01-2019 -001