

### **120W LED HW STREET LIGHT**

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

**120W Energy Efficient LED Street Light** 

Issued by: Halonix Technologies Private Limited (NABL Certification No: TC-7634) 01/02/2020

# HALONIX TECHNOLOGIES PRIVATE LIMITED HTPL LABORATORY (NABL Certificate No: TC-7634)

02-01-2020 -003

Plot-5, Sector-12, IIE, SIDCUL

Haridwar (Uttarakhand), PIN-249403, India

Contact:

Report Number:

Email: customercare@halonix.co.in

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#### **Test Report**

Date:

02-01-2020

Product Description: 120W Energy Efficient LED Street Light						
Product Catalogue Reference:	HLSLD-ML04-1	HLSLD-ML04-120-CWL-HL2-PD		HALONIX		
<b>Construction</b> : Pressure die casted aluminum housi	ing, Glass front viso	r, SMD LED, Electronic driv	ver etc.			
Test Details:  Light intensity distribution Measurement  Total Lumen output Measurement  Electrical Parameters Measurement		Document References/Standard:				
		<ul> <li>IES-LM-79-08 "Electrical and Photometric Measurements of Solid-State Lighting Products"</li> <li>IS: 16106-2012 "Method of Electrical and Photometric solid state lighting (LED) Products"</li> <li>IS: 16105-2012 "Method of measurement of Lumen maintenance of solid state light sources"</li> </ul>				
		Photometric Products"  IS: 16105-20 of Lumen ma	solid state lig	hting (LED) of measurement		
		Photometric Products"  IS: 16105-20 of Lumen ma	solid state lig 012 "Method aintenance of	hting (LED) of measurement solid state light		
Enclosures: Prepared E	Ву:	Photometric Products"  IS: 16105-20 of Lumen ma	solid state lig	hting (LED) of measurement solid state light		

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#### **Electrical & Photometric Test Report**

• ` `	er IES LM 79-08)					
Sample ID: 02-01-2020 -003				_		
Catalogue Reference:	HLSLD-ML04-120-CWL-HL2-PD		Testing Date:	02-01-2020		
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	<b>Total Operating Time:</b>	1.30Hours			
<b>Rated Performance Parameters:</b>						
Rated Wattage :	120W	Rated Input Current:	0.553A			
Nomical CCT :	5700K	Nominal CRI:	>70			
	•	•	•			
<b>Measured Electrical Parameters:</b>						
Supply Voltage:	240V	Input Current :	0.508A			
Frequency:	50Hz					
Total Power :	119.35W	Power Factor :	0.979			
			•			
<b>Photometric Measurement Data:</b>						
Total Measured Lumen :	14606.05lm	Luminaries Efficacy:	122.38lm/W			
CCT:	5871K	CRI:	72.4			
Light Intensity Distribution:		Attached (Refer to Page No. 4)				
Approved By: Rajeev Chhabra		Tested By: Sanjay Sharma				

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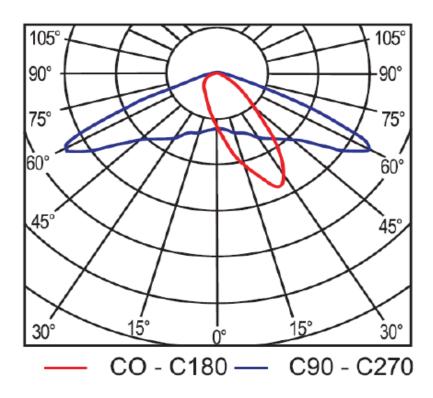
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#### **Light intensity Distribution Diagram**



Catalogue Reference	HLSLD-ML04-120-CWL-HL2-PD	Sample ID	02-01-2020 -003