

### 90W LED HW STREET LIGHT

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

90W Energy Efficient LED Street Light

Issued by: Halonix Technologies Private Limited (NABL Certification No: TC-7634) 11/19/2019

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

Plot-5, Sector-12, IIE, SIDCUL

Haridwar (Uttarakhand), PIN-249403, India

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#### **Test Report**

Report Number: 19-11-2	019 -002			Date:	19-11-2019	
<b>Product Description:</b> 90W Energy Efficient LED Street Ligh	t					
Product Catalogue Reference:	HLSLD-MLC04	-90-CWDL-R	-HL2	Brand:	HALONIX	
<b>Construction</b> : Pressure die casted aluminum housi	ng, PC front visor,	SMD LED, Ele	ectronic driver etc	С.		
Test Details:			Document References/Standard:			
<ul> <li>Light intensity distribution Measurement</li> <li>Total Lumen output Measurement</li> <li>Electrical Parameters Measurement</li> </ul>		•	<ul> <li>IES-LM-79-08 "Electrical and Photometric Measurements of Solid-State Lighting Products"</li> <li>IS: 16106-2012 "Method of Electrical and</li> </ul>			
			Photometric so Products"			
		•	IS: 16105-2012 of Lumen maint sources"		of measurement solid state light	
Enclosures:						
Prepared By:			A	pproved B	y:	
Sanjay Sharma				ijeev Chhab		

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

• ` `	er IES LM 79-08)					
Sample ID: 19-11-2019 -002				_		
Catalogue Reference:	HLSLD-MLC04-90-CWDL-R-HL2		Testing Date:	19-11-2019		
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	<b>Total Operating Time:</b>	1.30Hours			
<b>Rated Performance Parameters:</b>						
Rated Wattage :	90W	Rated Input Current:	0.434A			
Nomical CCT :	5700K	Nominal CRI:	>70			
	•	•	•			
<b>Measured Electrical Parameters:</b>						
Supply Voltage:	240V	Input Current :	0.379A			
Frequency:	50Hz					
Total Power :	89.17W	Power Factor :	0.980			
<b>Photometric Measurement Data:</b>						
Total Measured Lumen :	10986.64lm	Luminaries Efficacy:	123.21lm/W			
CCT:	5867K	CRI:	72.2			
Light Intensity Distribution:		Attached (Refer to Page No. 4)				
Approved By: Rajeev Chhabra		Tested By: Sanjay Sharma				

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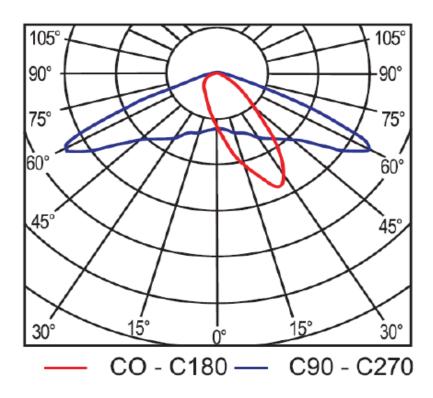
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#### **Light intensity Distribution Diagram**



Catalogue Reference	HLSLD-MLC04-90-CWDL-R-HL2	Sample ID	19-11-2019 -002
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