



## **20W LED DOWN LIGHT CW**

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

**20W Energy Efficient LED Light**

**Issued by: Halonix Technologies Private Limited (NABL Certification No: TC-7634)**

**02/06/2019**

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

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**Test Report**

<b>Report Number:</b>	06-02-2019 -003	<b>Date:</b>	06-02-2019
<b>Product Description:</b> 20W Energy Efficient LED Down Light			
<b>Product Catalogue Reference:</b>	HLDLR-31-20-CW	<b>Brand:</b>	HALONIX
<b>Construction:</b> Aluminum die cast housing, PMMA diffuser, etc.			
<b>Test Details:</b>		<b>Document References/Standard:</b>	
<ul style="list-style-type: none"><li>• Light intensity distribution Measurement</li><li>• Total Lumen output Measurement</li><li>• Electrical Parameters Measurement</li></ul>		<ul style="list-style-type: none"><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>	
<b>Enclosures:</b>			
<b>Prepared By:</b>		<b>Approved By:</b>	
Sanjay Sharma		Rajeev Chhabra	

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**Electrical & Photometric Test Report****Photometric Test Report: (As Per IES LM 79-08)****Sample ID:** 06-02-2019 -003

<b>Catalogue Reference:</b>	HLDLR-31-20-CW	<b>Testing Date:</b>	06-02-2019
<b>Testing Agency:</b>	HTPL Laboratory	<b>Brand:</b>	HALONIX
<b>Equipment Used:</b>	EVERFINE Brand Gonio Photometer (Type: GO - 2000B V1) and Globe Photometer (Type: PMS – 50/80) with Power Meter		

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

**Rated Performance Parameters:**

<b>Rated Wattage :</b>	20W	<b>Rated Input Current :</b>	0.096A
<b>Nomical CCT :</b>	6500K	<b>Nominal CRI:</b>	>80

**Measured Electrical Parameters:**

<b>Supply Voltage :</b>	240V	<b>Input Current :</b>	0.084A
<b>Frequency :</b>	50Hz		
<b>Total Power :</b>	19.77W	<b>Power Factor :</b>	0.981

**Photometric Measurement Data:**

<b>Total Measured Lumen :</b>	2011.99lm	<b>Luminaries Efficacy :</b>	101.77lm/W
<b>CCT :</b>	6487K	<b>CRI :</b>	81.6
<b>Light Intensity Distribution:</b>	Attached (Refer to Page No. 4)		
<b>Approved By: Rajeev Chhabra</b>	<b>Tested By: Sanjay Sharma</b>		

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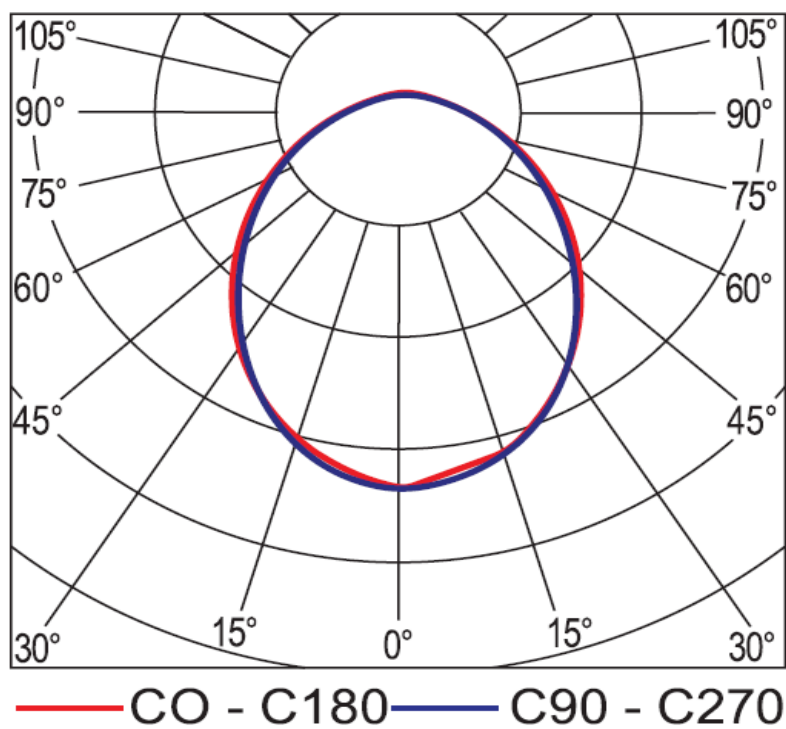
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**Light intensity Distribution Diagram**



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