

CITL Sphere Test Report

Sphere Testing and Evaluation in Accordance with LM79-2008

Report Prepared For

Ramesh Raghavan

Product Manager

MaxLite

Description of Sample: 6" Arch Down 2000 Lms 4000K Model DLR62040

The sample(s) was (were) tested in accordance with the following applied standards/regulations:

IESNA LM79: 2008 Approved for Electrical and Photometric Measurements of Solid-State Lighting Products
ANSI NEMA ANSLG C78.377: 2008 Specification of the Chromaticity of Solid State Lighting Products

CITL Test Number: CITL0001379

Sample Arrival Date: 12/07/2015

Date of Tests: 12/10/2015

Report Issue Date: 12/11/2015

Report Prepared by:



Franklin Navarro
Lab Technician

Report Approved By:



Jun Xiang
Lab Manager

Sample Number: 1310

Manufacturer: MaxLite

Notes: Tested in intended orientation



Equipment Used:

Description	Model #	Serial #	Calibration Date	Calibration due date
Everfine DC Power Supply	WY305	G115986TA8341112	-	-
Integrating Sphere	2 METER	CITL 0018	12/08/2015	06/07/2016
Yokogawa Digital Power Meter	WT310	C2QJ22012V	11/09/2015	11/09/2016
Fluke Digital Thermometer	51II	29390172WS	04/09/2015	04/09/2016
Temperature and Humidity logger	MX1101	10689441	03/20/2015	03/20/2016

Sphere Test Summary:

Manufacturer:	MaxLite
Fixture Model Number:	DLR62040
Driver Model Number:	ESM030W-0700-42
Lamp Model Number:	CLU034-1205B8-403M1A2

Lumen and Electrical Measurement:

Input Voltage:	120VAC	277VAC
Input Current:	0.248 A	0.116A
Input Frequency:	60 HZ	60 HZ
Input Power:	29.6 W	30.2 W
Power Factor:	0.9883	0.9347
Total Harmonic Distortion:	10.6 THD	15.6 THD
Lumens:	2,544.5 Lm	
Efficacy:	85.96 Lm/W	
Color Rendering Index (CRI):	R _a : 85.1 R ₉ :19	
Correlated Color Temperature (K):	3921K	
Chromaticity Coordinate x:	0.3850	
Chromaticity Coordinate y:	0.3823	
Ambient Temperature (°C):	25°C	
Stabilization Time (Hours):	45 Mins	
Total Operating Time (Hours):	1 Hrs	
u/u':	0.2259	
v':	0.5047	
Duv:	duv=1.28e-03	

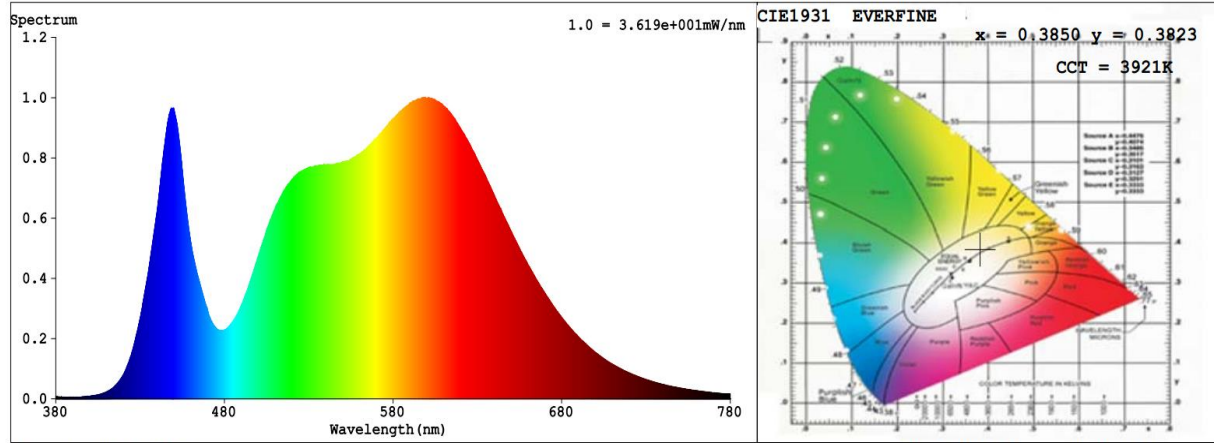
Test Methods:
Spectral Measurements – Integrating Sphere

A sensing Spectrometer HSSA-2000, in conjunction with Light Laboratory 2 meter integrating sphere was used to measure chromaticity coordinates, correlated color temperature (CCT) and the color rendering index (CRI) for each sample. Test Geometry Configuration 4 π.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing Process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

****END OF REPORT****