



LM-79 Test Report

Standards

IES LM-79-2008

IES TM-30-2015

CIE 13.3-1995

Product SKU

XFL-FS-2404-12022-5095

Test Conditions

Test Temperature: 24°C

Test Sample: 300mm

Power Supply: HP

Voltage: 24V

Power Consumption: 4.2W

Test Date

7/9/2020

Prepared By

Approved By

Richard Wong
Director of Engineering

Ishita Goswami
Director of Product Marketing

The results contained in this report pertain only to the tested sample.
Photometric & Colorimetry data measured in accordance to IES LM-79-2008 standards, at Xicato.

Summary of Results

SKU: XFL-FS-2404-12022-5095

Luminous Flux: 333lm

CCT: 5128K

mDUV: 2.1

Voltage: 24V

Current: 176mA

Power Consumption: 4.2W

Efficacy: 78.8LPW

PHOTOMETRIC & COLORIMETRY DATA

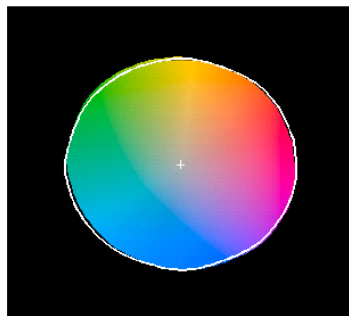
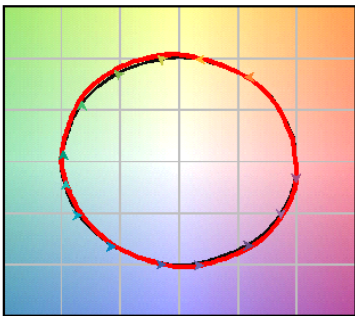
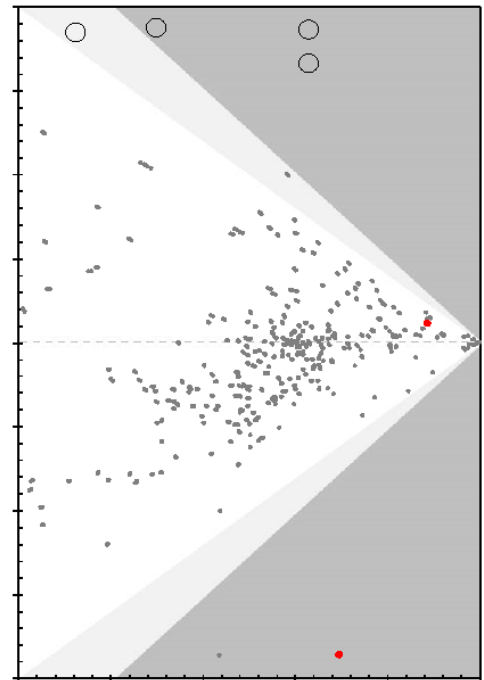
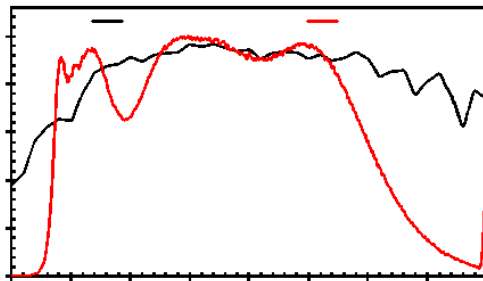
BASIC RESULTS

Source

Test Source

R_f	94
R_g	102
CCT (K)	5128
D_{uv}	0.0021
x	0.3419
y	0.3531
CIE R_a	95

n

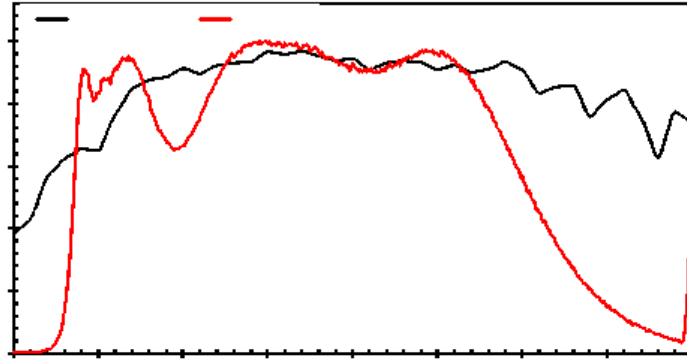
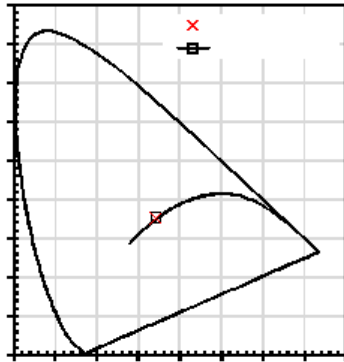


The results contained in this report pertain only to the tested sample.
Photometric & Colorimetry data measured in accordance to IES LM-79-2008 standards, at Xicato.

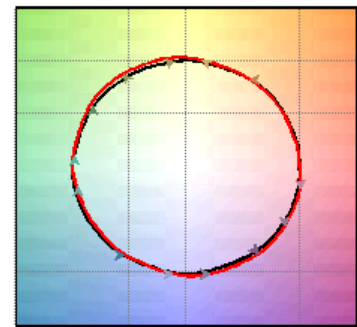
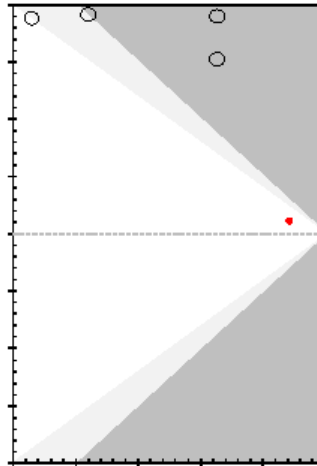
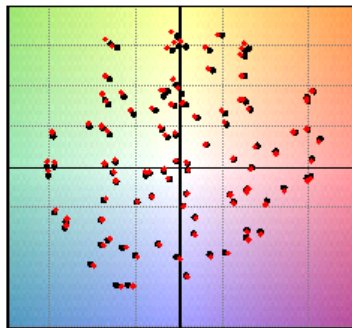
Colorimetry results are given in Table 1. Each SPD has a test and reference source. Each SPD has

Metric	Test	Reference	Notes	Metric	Test	Reference	Notes
R_f	94	100	IES TM-30-15 Fidelity Index	CCT	5128	5127	Correlated Color Temperature
R_x	102	100	IES TM-30-15 Gamut Index	D_{uv}	0.0021	0.0021	Distance from the blackbody locus
CIE R_a	95	100	CIE Test Color Method General Index	x	0.3419	0.3419	CIE 1931 chromaticity coordinate
R_g	91	100	CIE Test Color Method Sample Nine Score	y	0.3531	0.3531	CIE 1931 chromaticity coordinate
LER	268	204	Luminous Efficacy of radiation	u	0.2087	0.2087	CIE 1960 chromaticity coordinate
R_{Tskin}	96	100	Average of CIE S15 and CIE S18 (skin)	v	0.3233	0.3233	CIE 1960 chromaticity coordinate
				u'	0.2087	0.2087	CIE 1976 chromaticity coordinate
				v'	0.4849	0.4849	CIE 1976 chromaticity coordinate

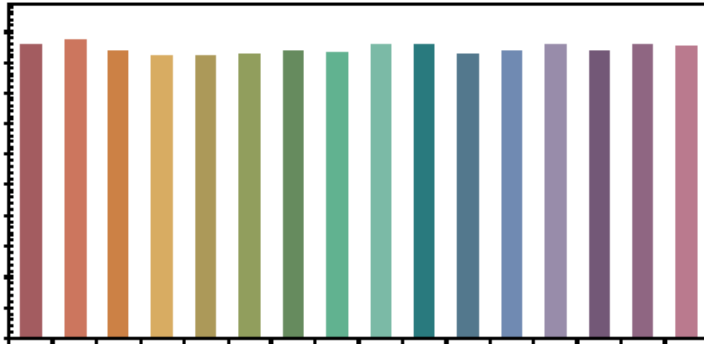
Source Properties



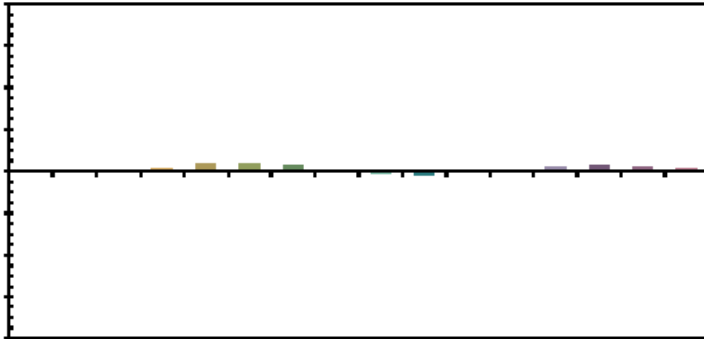
General Color Rendition



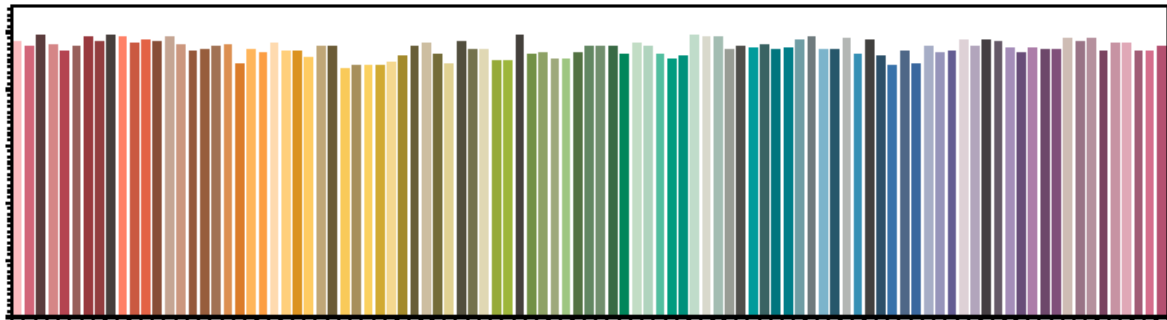
The results contained in this report pertain only to the tested sample.
 Photometric & Colorimetry data measured in accordance to IES LM-79-2008 standards, at Xicato.



j	Hue Angle
1	0.0° - 22.5°
2	22.5° - 45.0°
3	45.0° - 67.5°
4	67.5° - 90.0°
5	90.0° - 112.5°
6	112.5° - 135.0°
7	135.0° - 157.5°
8	157.5° - 180.0°
9	180.0° - 202.5°
10	202.5° - 225.0°
11	225.0° - 247.5°
12	247.5° - 270.0°
13	270.0° - 292.5°
14	292.5° - 315.0°
15	315.0° - 337.5°
16	337.5° - 360.0°



Color Fidelity by Sample



The results contained in this report pertain only to the tested sample.
 Photometric & Colorimetry data measured in accordance to IES LM-79-2008 standards, at Xicato.