



LM-79 Test Report

Standards

IES LM-79-2008

IES TM-30-2015

CIE 13.3-1995

Product SKU

XFL-FS-2404-12022-5795

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

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Director of Engineering

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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-2404-12022-5795

Luminous Flux: 327lm

CCT: 5890K

mDUV: 1.6

Voltage: 24V

Current: 174mA

Power Consumption: 4.2W

Efficacy: 78.4LPW

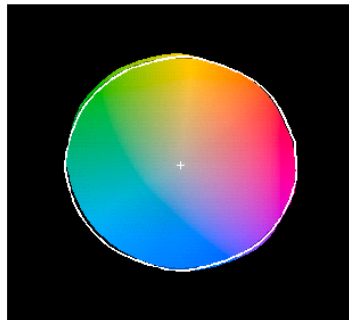
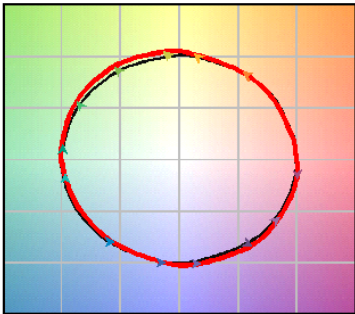
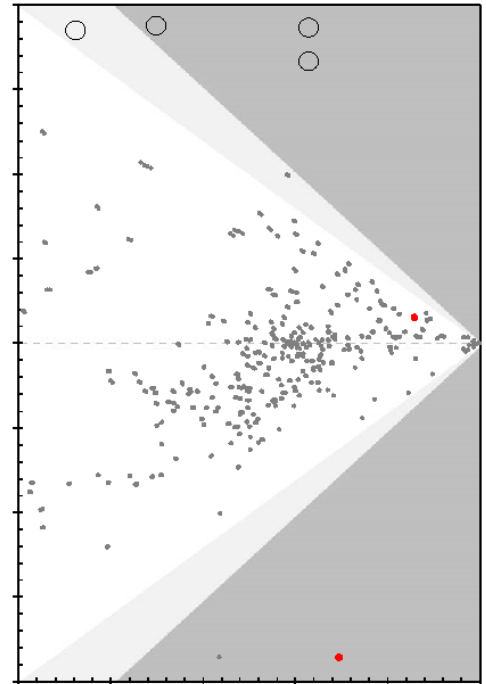
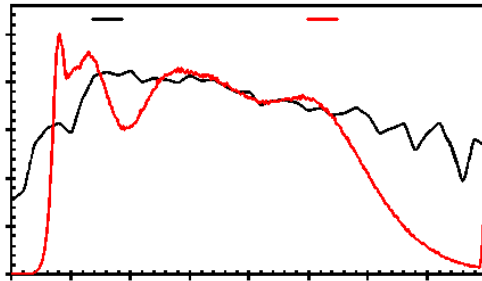
Photometric & Colorimetric Data Report (IES LM-79-2008)

BASIC RESULTS

Source:
Test Source

R_f	93
R_g	103
CCT (K)	5890
D_{uv}	0.0016
x	0.3240
y	0.3366
CIE R_a	95

n

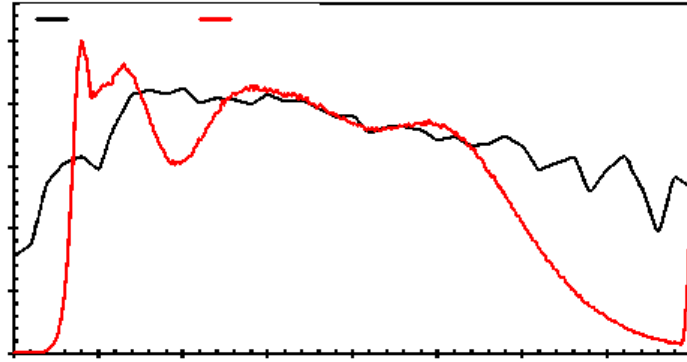
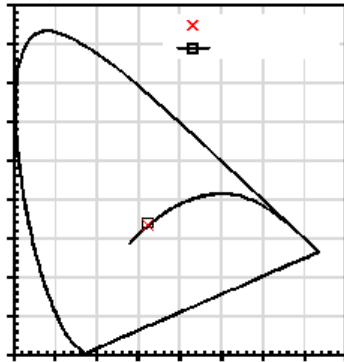


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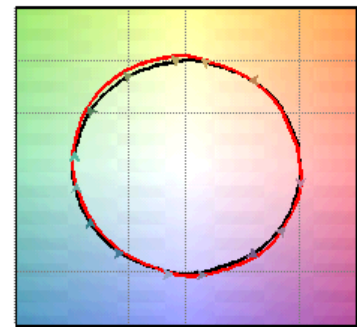
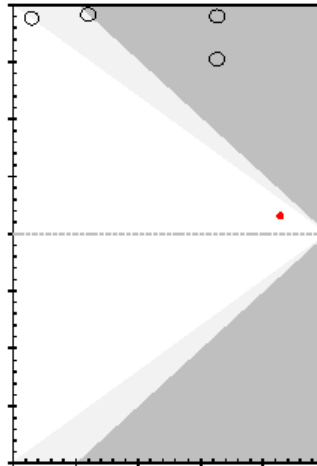
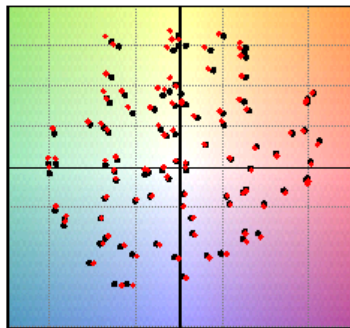
Colorimetry results for the test and reference source. Each SPD has

Metric	Test	Reference	Notes	Metric	Test	Reference	Notes
R_f	93	100	IES TM-30-15 Fidelity Index	CCT	5890	5890	Correlated Color Temperature
R_x	103	100	IES TM-30-15 Gamut Index	D_{uv}	0.0016	0.0033	Distance from the blackbody locus
$CIE R_a$	95	100	CIE Test Color Method General Index	x	0.3240	0.3239	CIE 1931 chromaticity coordinate
R_g	94	100	CIE Test Color Method Sample Nine Score	y	0.3366	0.3397	CIE 1931 chromaticity coordinate
LER	260	207	Luminous efficacy of radiation	u	0.2028	0.2015	CIE 1960 chromaticity coordinate
R_{Tskin}	94	100	Average of CEs15 and CEs18 (skin)	v	0.3160	0.3171	CIE 1960 chromaticity coordinate
				u'	0.2028	0.2015	CIE 1976 chromaticity coordinate
				v'	0.4740	0.4756	CIE 1976 chromaticity coordinate

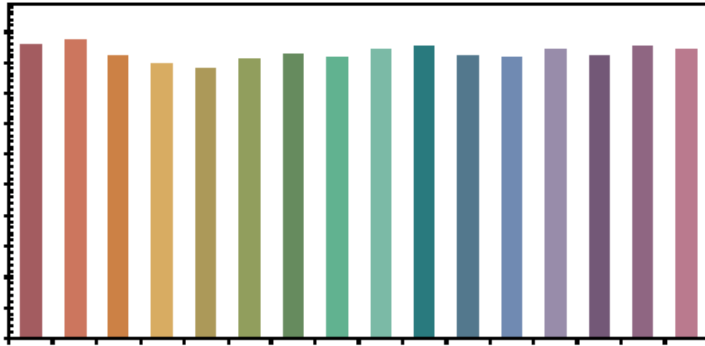
Source Properties



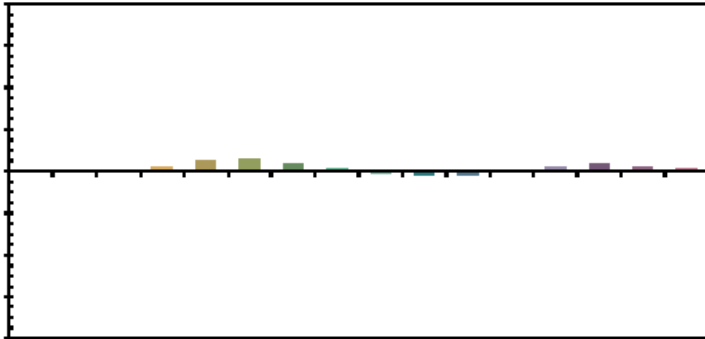
General Color Rendition



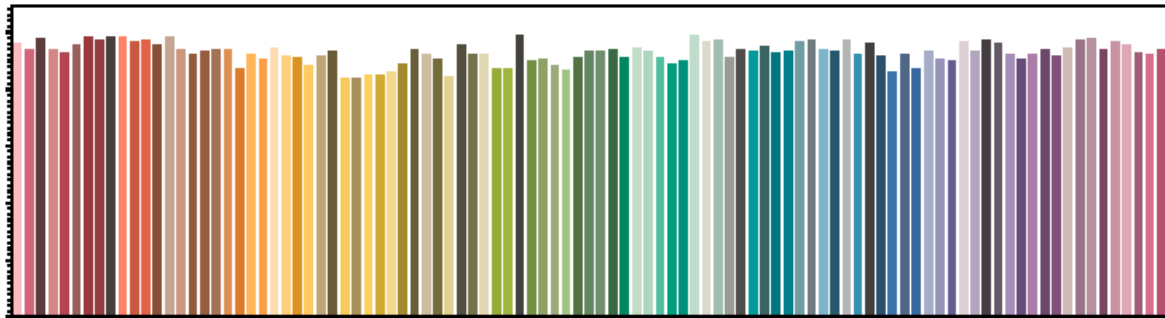
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<i>j</i>	Hue Angle
1	0.0°-22.5°
2	22.5°-45.0°
3	45.0°-67.5°
4	67.5°-90.0°
5	90.0°-112.5°
6	112.5°-135.0°
7	135.0°-157.5°
8	157.5°-180.0°
9	180.0°-202.5°
10	202.5°-225.0°
11	225.0°-247.5°
12	247.5°-270.0°
13	270.0°-292.5°
14	292.5°-315.0°
15	315.0°-337.5°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



Color Fidelity by Sample



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