



# INTEGRATING SPHERE TEST REPORT

July 21, 2015

## IES LM79-08 Section 9.1

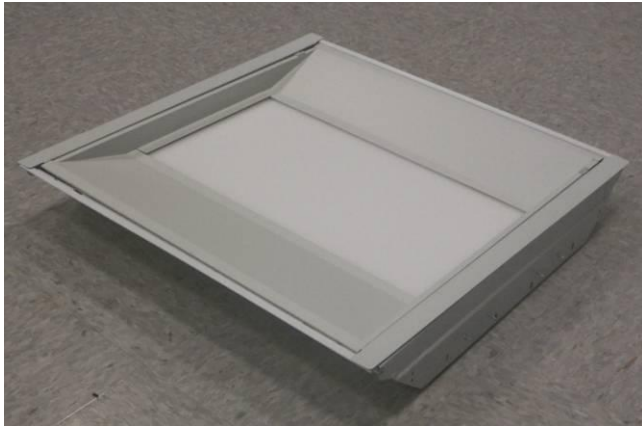
Technical Report

TÜV SÜD America

72107705-02-SPH

Sample Tested: LRK22D2350

Manufacturer: Maxlite



Sample Description: LED Retrofit Luminaire

Test Orientation: Intended (FBH)

Date of Test: July 20<sup>th</sup>, 2015

Report Prepared by:

Report Reviewed by:

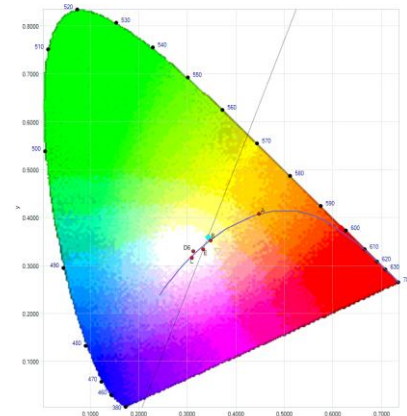
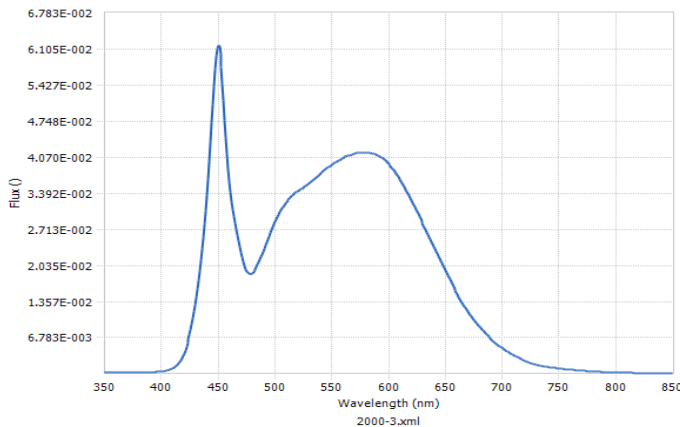
Ben Ferrell

Bryan Cubitt

TÜV SÜD Operations Manager

TÜV SÜD Program Manager

### Test Results: TÜV SÜD Sample Ref# 2000-3



#### Spectral response of the Radiant Flux (350nm to 850nm)

$\lambda$ (Peak): 450.1 nm       $\lambda$ (Dom): 567.4 nm

#### Chromaticity Diagram, CIE 1931, 2 Degree

Tristimulus Values:  $x / y = 0.3431 / 0.3589$

#### Photometric Test Results (120V only)

Luminous Flux (Lumens)	2,657.0
Efficacy (Lumens/Watt)	108.56
Color Temperature (CCT K)	5094
Color Rendering Index (CRI)	83.0
R <sub>9</sub> Value	4.8
Radiant Flux (W/nm)	8.3
Chroma u' / Chroma v'	0.2073 0.4879
Duv	0.00443

#### Electrical Test Results

#### 120V / 277V

Input Power (Watts)	24.48	N/A
Input Voltage (Volts)	120.00	N/A
Input Current (Amps)	0.205	N/A
Power Factor	0.993	N/A
THD-A%	6.34	N/A
Input Frequency (Hz)	60.0	N/A
Stabilization Time (Min)	60	
Ambient Temperature	24.6°C	

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the Federal Government.

