



Photometric Evaluation to IES LM-79-08 Sphere Test Results

Sample Tested

LA2- DELTA

Prepared for:

LighArt

4770 Ohio Ave S. Suite A

Seattle, WA 98134

Phone: 206-890-0995

Technical Report Number

70085442 - 2

August 15, 2016

Prepared by:

A handwritten signature in black ink, appearing to read 'M. Anderson'.


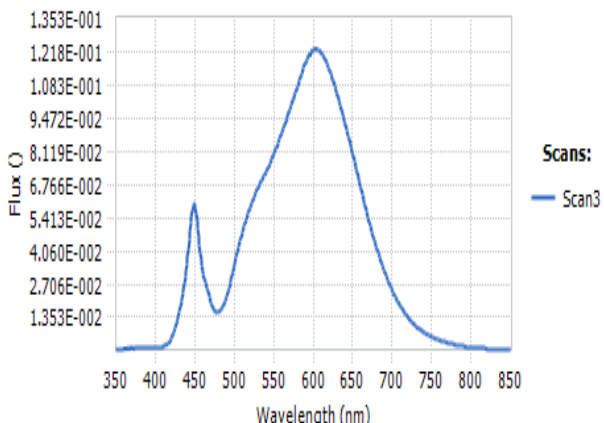
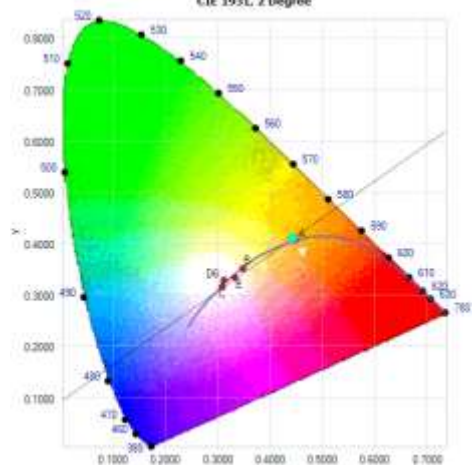
Mauricio Anderson, Project Manager

Approved by:

A handwritten signature in black ink, appearing to read 'J. Whalen'.

Jesse Whalen, Operations Manager

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government

| <i>Description of Evaluated Product</i> | | <i>Photograph</i> |
|---|-----------------------------|--|
| Product Tested: | LA2- DELTA |  |
| Manufacturer: | LightArt | |
| Notes: | | |
| <i>Key Results</i> | | <i>Spectral Flux Graph</i> |
| Luminous Flux: | 6172 Lumens | |
| Input Power: | 68.69 Watts | |
| Luminous Efficacy: | 89.85 Lumens/Watt | |
| ISTMT Temp | Not Tested | |
| <i>Full Photometric Results</i> | |  |
| Total Luminous Flux: | 6172 Lumens | |
| Luminous Efficacy | 89.85 Lumens/Watt | |
| CCT | 2959 K | |
| CRI | 81.52 | |
| R9 | 10.2 | |
| Radiant Flux | 19.15 Watts | |
| Chroma (x and y) | 0.4426 0.4109 | |
| Chroma (u and v) | 0.2513 0.3499 | |
| Chroma (u' and v') | 0.2513 0.5249 | |
| Duv | 0.0017 | |
| <i>Electrical Results</i> | | <i>CIE 1931 Chromaticity Diagram</i> |
| Input Power | 68.69 Watts | |
| Input Voltage (AC) | 120.08 Volts | |
| Input Current | 0.57629 Amps | |
| Power Factor | 0.9926 | |
| THD (V and A) | 0.07 4.76 | |
| <i>Test Conditions</i> | |  |
| Date of Test | August 15, 2016 | |
| Ambient Temp | 24.9°C | |
| Humidity | 51% | |
| Stabilization Time | 60 Minutes | |
| Total Operating Time | 64 Minutes | |
| Orientation of Sample | Downward Facing | |
| <i>Equipment List</i> | | |
| Equipment Used | ID Number | Calibration Due Date |
| Integrating Sphere D | SPH 400 | N/A |
| Spectrometer | CDS 1100 | N/A |
| Power Analyzer | PA 111 | 02/2017 |
| CSA is an accredited Test Laboratory National Voluntary Laboratory Accreditation Program (NvLAP) 200732-0 | | |