



LTL Number: 18530

Date: 03-15-2010

Prepared For: Sunovia Energy Technologies, Inc.

Catalog Number: SCHX5/120-43/PAL/T3/277/LG (SI-A005)

Luminaire: Cast aluminum housing, machined aluminum reflector, clear acrylic enclosure.

Lamps: 56 White LEDs, 24 with clear plastic optics, 24 with clear prismatic plastic optics, and 8 with frosted plastic optics.

LED Power Supplies: Two High Perfection Tech LP1090-36-GG-170

Luminaire Efficacy: 72.1 Lumens/Watt

| Luminaire Input Voltage | Input Current       | Luminaire Watts           | Power Factor         | Wavelength in nm | Spectral Flux in mW/nm | Wavelength in nm | Spectral Flux in mW/nm |
|-------------------------|---------------------|---------------------------|----------------------|------------------|------------------------|------------------|------------------------|
| 120.0VAC                | 1.000A              | 118.4W                    | 0.986                | 350              | 2.8985                 | 610              | 121.8192               |
| Radiant Flux mW         | Luminous Flux lumen | Corr. Color Temperature K | Color Rend. Index Ra | 360              | 2.1463                 | 620              | 110.8221               |
| 27630.00                | 8540.000            | 4560                      | 77.1                 | 370              | 2.2495                 | 630              | 97.8927                |
| Chroma x                | Chroma y            | Chroma u                  | Chroma v             | 380              | 2.6480                 | 640              | 84.5750                |
| 0.3576                  | 0.3558              | 0.2182                    | 0.3257               | 390              | 2.6462                 | 650              | 71.4710                |
|                         |                     |                           |                      | 400              | 3.0193                 | 660              | 59.2300                |
|                         |                     |                           |                      | 410              | 5.9471                 | 670              | 48.0009                |
|                         |                     |                           |                      | 420              | 22.7882                | 680              | 38.7626                |
|                         |                     |                           |                      | 430              | 65.1968                | 690              | 31.7607                |
|                         |                     |                           |                      | 440              | 125.1806               | 700              | 26.2227                |
|                         |                     |                           |                      | 450              | 180.6132               | 710              | 20.5779                |
|                         |                     |                           |                      | 460              | 113.3707               | 720              | 16.2370                |
|                         |                     |                           |                      | 470              | 64.8729                | 730              | 13.0359                |
|                         |                     |                           |                      | 480              | 41.9970                | 740              | 10.4295                |
|                         |                     |                           |                      | 490              | 36.3954                | 750              | 8.9540                 |
|                         |                     |                           |                      | 500              | 46.5368                | 760              | 7.2895                 |
|                         |                     |                           |                      | 510              | 69.5770                | 770              | 5.9900                 |
|                         |                     |                           |                      | 520              | 93.4156                | 780              | 5.9796                 |
|                         |                     |                           |                      | 530              | 113.4089               | 790              | 4.4858                 |
|                         |                     |                           |                      | 540              | 126.4918               | 800              | 4.0548                 |
|                         |                     |                           |                      | 550              | 134.7254               | 810              | 4.9308                 |
| 560                     | 141.0272            | 820                       | 4.9904               |                  |                        |                  |                        |
| 570                     | 141.5586            | 830                       | 5.1183               |                  |                        |                  |                        |
| 580                     | 141.2619            | 840                       | 6.2391               |                  |                        |                  |                        |
| 590                     | 139.1577            | 850                       | 6.7629               |                  |                        |                  |                        |
| 600                     | 132.3341            |                           |                      |                  |                        |                  |                        |

