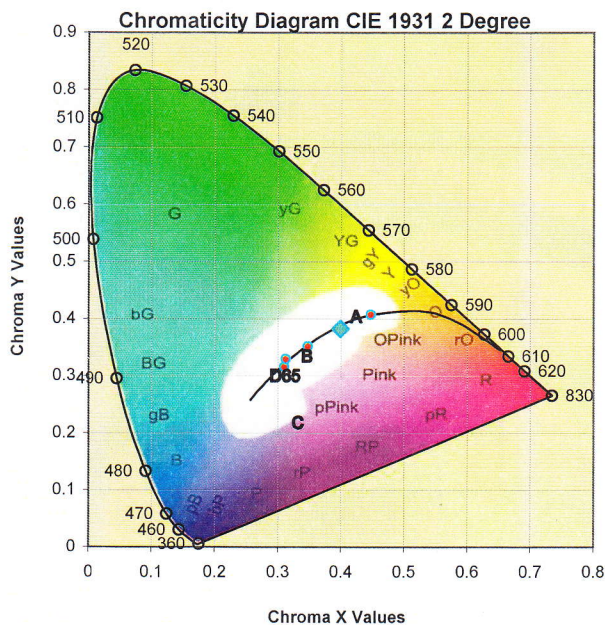


BALLABS CERTIFIED TEST REPORT NO.: 20119.0 A DATE 11/21/17
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: 1-56 LED 22"ARRAY 2'RECESSED PERIMETER CONTINUOUS PX
WHITE REFLECTOR w/FROSTED ACRYLIC LENS
ADVANCE DRIVER #XI040C110V054BST1 @ 525mA
CATALOG NBR: PXF-42-01'10-L13/835-W-D-LCAP/RCAP-DIM-UNV
LAMP TYPE : HLM2256_5630 REV A #10560227

| | |
|-----------------------|---------|
| INPUT VOLTAGE (V) | 120.08 |
| INPUT CURRENT (A) | 0.2166 |
| INPUT WATTS (W) | 25.7610 |
| POWER FACTOR | 0.9906 |
| THDv (%) | 0.146 |
| THDi (%) | 10.204 |
| LUMINOUS EFFICACY-LPW | 90.5 |
| LUMINOUS FLUX- LUMENS | 2332 |
| CHROMA x | 0.3998 |
| CHROMA y | 0.3823 |
| CHROMA u | 0.2356 |
| CHROMA v | 0.5069 |
| DELTA uv (Duv) | -0.0025 |
| CORR COLOR TEMP (K) | 3555 |
| COLOR REND INDEX (RA) | 84.81 |
| COLOR REND INDEX (R9) | 14.6 |

| Wavelength (nm) | Spectral Flux mW/nm | Wavelength (nm) | Spectral Flux mW/nm |
|-----------------|---------------------|-----------------|---------------------|
| 350 | 0.1639 | 610 | 42.2699 |
| 360 | 0.1752 | 620 | 39.2714 |
| 370 | 0.2006 | 630 | 34.7387 |
| 380 | 0.1836 | 640 | 29.2499 |
| 390 | 0.2094 | 650 | 23.8991 |
| 400 | 0.2408 | 660 | 18.5791 |
| 410 | 0.5090 | 670 | 13.5195 |
| 420 | 1.5776 | 680 | 10.1942 |
| 430 | 5.3596 | 690 | 7.9128 |
| 440 | 15.4440 | 700 | 6.0152 |
| 450 | 36.2368 | 710 | 4.4632 |
| 460 | 25.9658 | 720 | 3.2371 |
| 470 | 16.1184 | 730 | 2.3679 |
| 480 | 12.2107 | 740 | 1.7205 |
| 490 | 15.1788 | 750 | 1.2520 |
| 500 | 19.5132 | 760 | 0.9198 |
| 510 | 22.6366 | 770 | 0.6745 |
| 520 | 24.3722 | 780 | 0.5041 |
| 530 | 25.7299 | 790 | 0.3728 |
| 540 | 27.8922 | 800 | 0.2762 |
| 550 | 30.4040 | 810 | 0.2101 |
| 560 | 33.3187 | 820 | 0.1586 |
| 570 | 36.5394 | 830 | 0.1361 |
| 580 | 40.0192 | 840 | 0.0922 |
| 590 | 42.9625 | 850 | 0.0804 |
| 600 | 43.6434 | | |

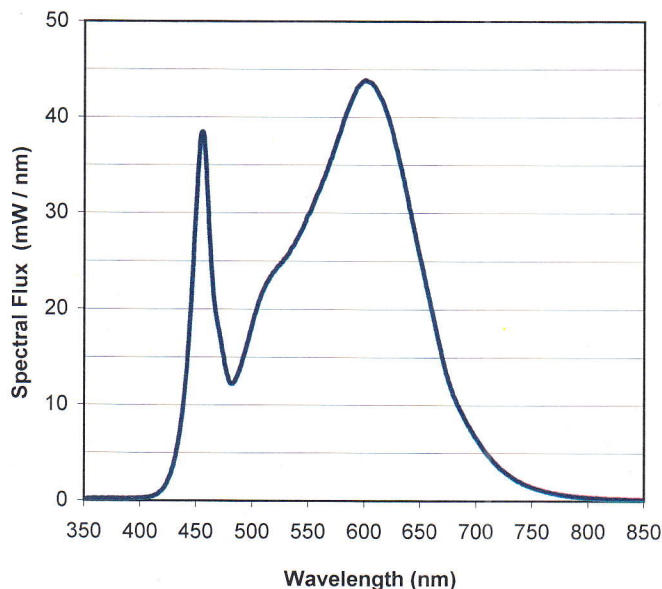


Data collected utilizing a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

Kelly C. Lerbs
Kelly C. Lerbs
Vice President



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