**BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.**
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FENTON, MO 63026
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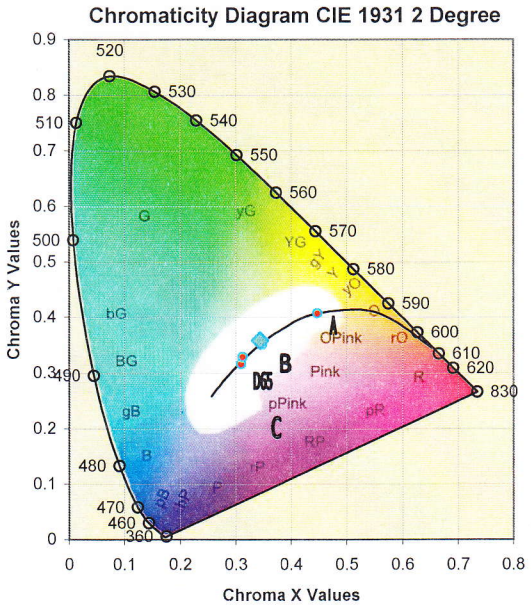
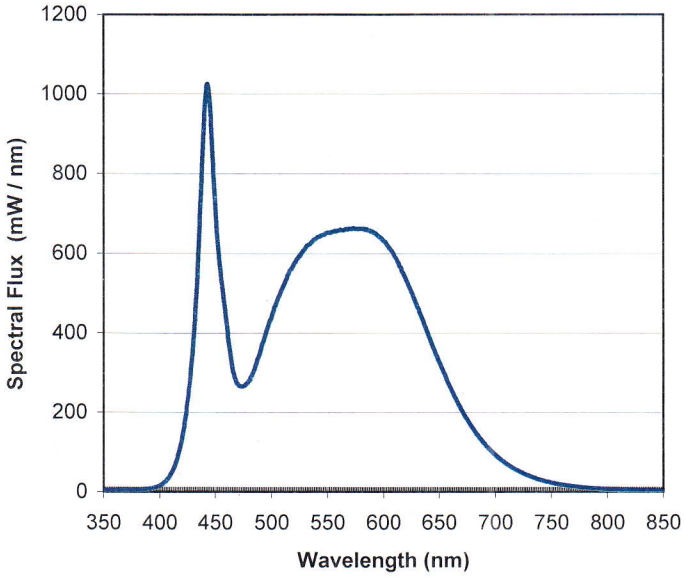
SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.

BALLABS CERTIFIED TEST REPORT NO.: 19557.0 A DATE 10/04/16
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: 4-192 LED 22"ARRAYS EACH ON ALUM HEATSINK 24x19"HIGHBAY LUMINIARE w/SPEC NARROW DL REFL & WHITE UPLIGHT REFLS, CTR DRIVER HOUSING 4 ADVANCE #XI095C275V054DNF1 w/18K RESISTOR
CATALOG NBR: GP4-L460/850-N-UP-6CPI/5-15P WHITE-DRV-120
LAMP TYPE : D5638D192C2560A8N50JRB

| | |
|---|---|
| INPUT VOLTAGE (V) | 120.03 |
| INPUT CURRENT (A) | 3.1614 |
| INPUT WATTS (W) | 375.360 |
| POWER FACTOR | 0.9892 |
| THDv (%) | 0.438 |
| THDi (%) | 10.162 |
| LUMINOUS EFFICACY-LPW | 114.8 |
| LUMINOUS FLUX- LUMENS | 43074 |
| CHROMA x | 0.3439 |
| CHROMA y | 0.3584 |
| CHROMA u | 0.2080 |
| CHROMA v | 0.3252 |
| DELTA uv (Duv) | 0.0039 |
| CORR COLOR TEMP (K) | 5065 |
| COLOR REND INDEX (RA) | 81.90 |
| COLOR REND INDEX (R9) | 8.4 |

| Wavelength (nm) | Spectral Flux mW/nm | Wavelength (nm) | Spectral Flux mW/nm |
|---|---|---|---|
| 350 | 2.9288 | 610 | 592.7388 |
| 360 | 3.5921 | 620 | 536.5574 |
| 370 | 3.8477 | 630 | 470.1953 |
| 380 | 4.3586 | 640 | 397.9354 |
| 390 | 6.1978 | 650 | 327.4815 |
| 400 | 14.0861 | 660 | 262.1319 |
| 410 | 43.3557 | 670 | 205.5987 |
| 420 | 129.1646 | 680 | 159.4170 |
| 430 | 353.9506 | 690 | 121.8228 |
| 440 | 921.1044 | 700 | 92.2946 |
| 450 | 728.9271 | 710 | 69.6439 |
| 460 | 429.8059 | 720 | 52.3945 |
| 470 | 271.4966 | 730 | 39.3206 |
| 480 | 277.9569 | 740 | 29.4027 |
| 490 | 348.9768 | 750 | 21.9317 |
| 500 | 436.4924 | 760 | 16.5748 |
| 510 | 511.8498 | 770 | 12.6580 |
| 520 | 571.0281 | 780 | 9.5199 |
| 530 | 610.5494 | 790 | 7.2589 |
| 540 | 636.5502 | 800 | 5.6406 |
| 550 | 650.1837 | 810 | 4.4077 |
| 560 | 655.5908 | 820 | 3.3213 |
| 570 | 660.8329 | 830 | 2.5971 |
| 580 | 661.1266 | 840 | 2.2003 |
| 590 | 653.9082 | 850 | 1.7710 |
| 600 | 630.4423 | | |




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 TESTING

NVLAP LAB CODE 200921-0

Kelly C Lerbs
Vice President

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