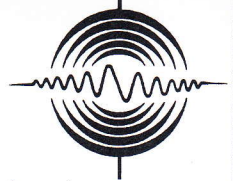


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

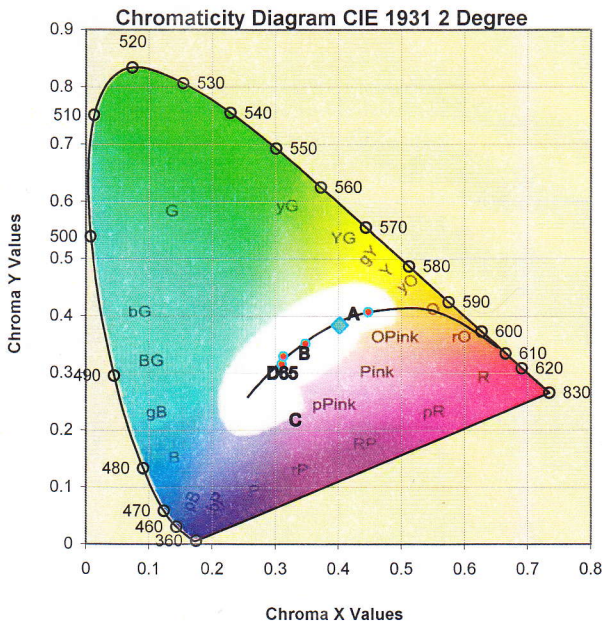
1618 HEADLAND DR.
FENTON, MO 63026
(636) 343-6006
(636) 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 20120.0 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 @ 175mA
CATALOG NBR: PXF-42-01'10-L4/835-W-LCAP/RCAP-DIM-UNV
LAMP TYPE : HLM2256_5630 REV A #10560227

INPUT VOLTAGE (V)	120.02
INPUT CURRENT (A)	0.0849
INPUT WATTS (W)	9.8470
POWER FACTOR	0.9665
THD _v (%)	0.159
THD _i (%)	20.741
LUMINOUS EFFICACY-LPW	83.8
LUMINOUS FLUX- LUMENS	825
CHROMA x	0.4021
CHROMA y	0.3844
CHROMA u	0.2362
CHROMA v	0.5081
DELTA uv (Duv)	-0.0021
CORR COLOR TEMP (K)	3519
COLOR REND INDEX (RA)	85.10
COLOR REND INDEX (R9)	15.8

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.0452	610	15.1134
360	0.0798	620	14.0527
370	0.0586	630	12.4777
380	0.0646	640	10.5215
390	0.0621	650	8.5554
400	0.0831	660	6.6297
410	0.1371	670	4.8246
420	0.4281	680	3.6232
430	1.5418	690	2.8149
440	4.8364	700	2.1105
450	13.2295	710	1.5583
460	8.8011	720	1.1328
470	5.6014	730	0.8200
480	4.1957	740	0.5913
490	5.3756	750	0.4295
500	6.9842	760	0.3120
510	8.0696	770	0.2311
520	8.6137	780	0.1687
530	9.0606	790	0.1261
540	9.7896	800	0.0921
550	10.7469	810	0.0708
560	11.7454	820	0.0532
570	12.8588	830	0.0408
580	14.1103	840	0.0333
590	15.1569	850	0.0227
600	15.4784		



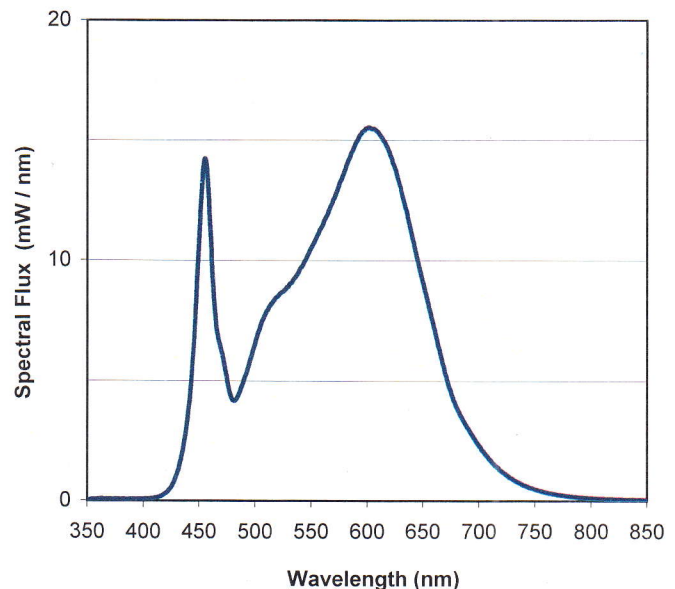
Data collected utilizing a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

[Signature]

Kelly C. Lerbs
Vice President



THIS BALLABS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THIS CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.