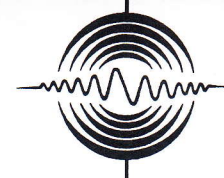


# BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

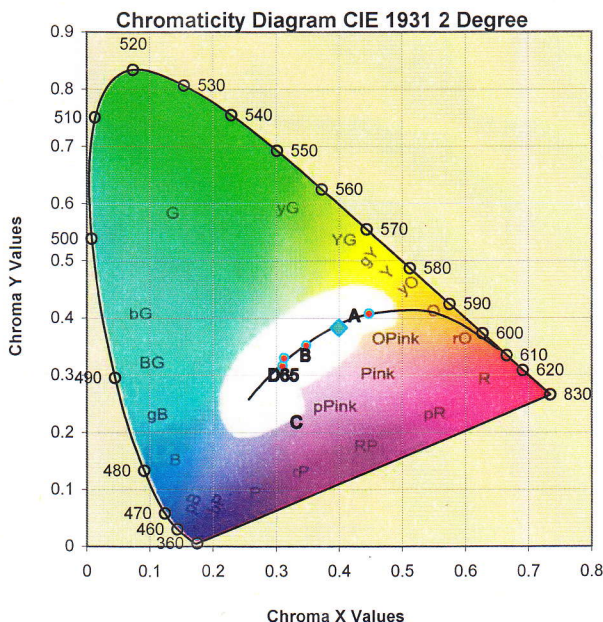
1618 HEADLAND DR.  
FENTON, MO 63026  
(636) 343-6006  
(636) 343-6051 FAX



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-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		

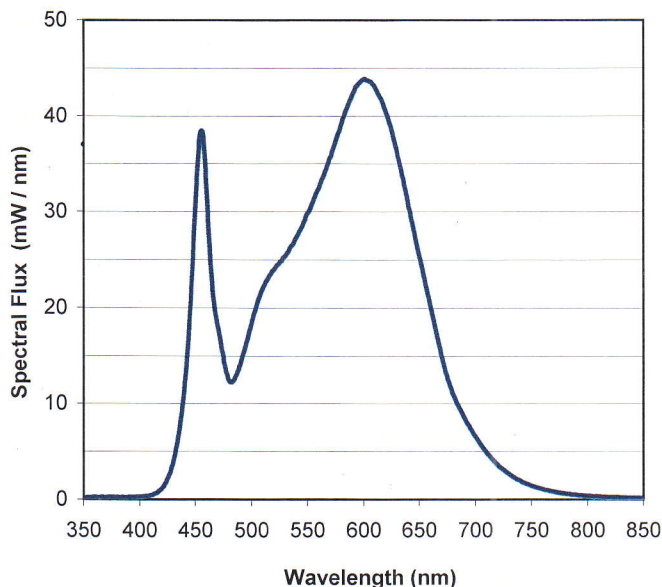


Data collected utilizing a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

*Kelly C. Lerbs*  
Kelly C. Lerbs  
Vice President



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.