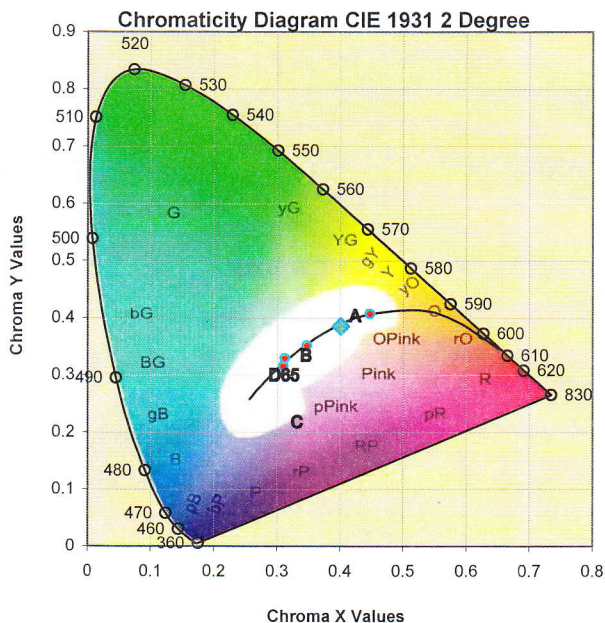


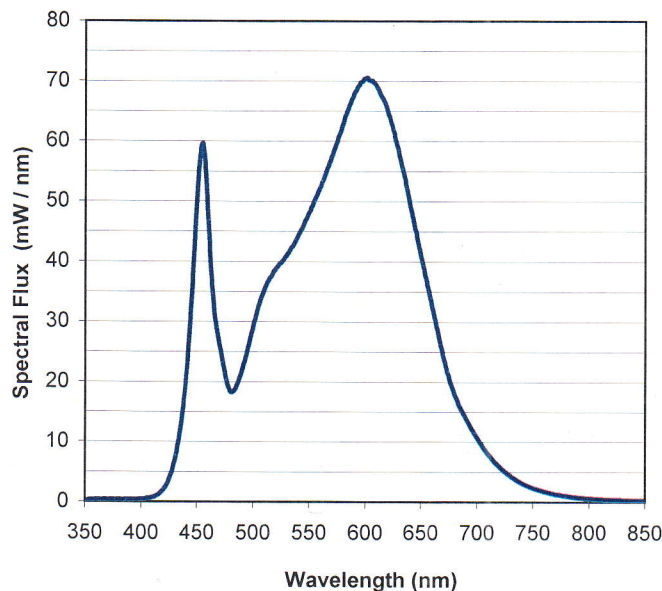
BALLABS CERTIFIED TEST REPORT NO.: 20121.0 A DATE 11/21/17  
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO  
DESCRIPTION: 56-22" & 28-11" LED ARRAY 3'RECESSED PERIMETER CONTINUOUS PX  
WHITE REFLECTOR w/FROSTED ACRYLIC LENS  
ADVANCE DRIVER #XI040C110V054BST1 @ 800mA  
CATALOG NBR: PXF-42-02'9-L13/835-W-D-LCAP/RCAP-DIM-UNV  
LAMP TYPE : HLM2256\_5630 RevA #10560227 & HLM1128\_5630 RevA #10560267

INPUT VOLTAGE (V)	120.01
INPUT CURRENT (A)	0.3152
INPUT WATTS (W)	37.6540
POWER FACTOR	0.9953
THD <sub>v</sub> (%)	0.164
THD <sub>i</sub> (%)	5.701
LUMINOUS EFFICACY-LPW	99.6
LUMINOUS FLUX- LUMENS	3752
CHROMA x	0.4018
CHROMA y	0.3850
CHROMA u	0.2358
CHROMA v	0.5083
DELTA uv (Duv)	-0.0017
CORR COLOR TEMP (K)	3532
COLOR REND INDEX (RA)	84.41
COLOR REND INDEX (R9)	12.7

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.2383	610	67.8413
360	0.2658	620	63.0918
370	0.3327	630	55.7161
380	0.2584	640	47.1402
390	0.3317	650	38.4203
400	0.3673	660	29.9449
410	0.8467	670	21.9116
420	2.7687	680	16.5454
430	9.4917	690	12.8606
440	26.7384	700	9.7397
450	57.8035	710	7.2027
460	37.3090	720	5.2618
470	23.2991	730	3.8410
480	18.4070	740	2.8085
490	23.5592	750	2.0484
500	31.1577	760	1.5169
510	36.4476	770	1.1194
520	39.3119	780	0.8180
530	41.7542	790	0.6097
540	45.1043	800	0.4436
550	49.2064	810	0.3480
560	53.6796	820	0.2802
570	58.8918	830	0.2075
580	64.4832	840	0.1638
590	68.8927	850	0.1395
600	70.0178		



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.