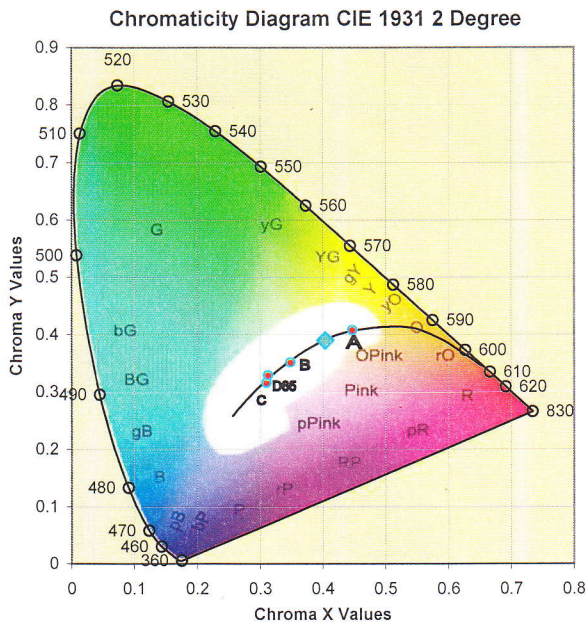




BALLABS CERTIFIED TEST REPORT NO.: 20934.0 A DATE 08/19/19
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: 1-56LED 22"ARRAY 2X2'RETROFIT KIT w/WHITE REFL & RIBBED
FROST CENTER LENS-LITHONIA 2GT82U316A12MVOLT TEST HOUSING
ADVANCE #XI020C056V054BST2 @ 320mA
CATALOG NBR: PTR-22-L26/835-RA-(19)-DIM-PH-UNV
LAMP TYPE : 10560222 HLM2256_5630 REV B

INPUT VOLTAGE (V)	120.03
INPUT CURRENT (A)	0.1368
INPUT WATTS (W)	15.9710
POWER FACTOR	0.9728
THD _v (%)	0.161
THD _i (%)	10.328
LUMINOUS EFFICACY-LPW	122.8
LUMINOUS FLUX- LUMENS	1962
CHROMA x	0.4045
CHROMA y	0.3898
CHROMA u	0.2356
CHROMA v	0.5107
DELTA uv (Duv)	-0.0002
CORR COLOR TEMP (K)	3510
COLOR REND INDEX (RA)	83.87
COLOR REND INDEX (R9)	10.3

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.2281	610	35.5023
360	0.2365	620	32.8332
370	0.2167	630	29.0068
380	0.2348	640	24.4265
390	0.2713	650	19.8746
400	0.3263	660	15.5831
410	0.6456	670	11.8742
420	2.0050	680	8.9518
430	6.2415	690	6.6593
440	17.6089	700	4.8900
450	28.8248	710	3.5655
460	14.6485	720	2.5949
470	9.0667	730	1.8938
480	8.4477	740	1.3669
490	12.0095	750	1.0035
500	16.5780	760	0.7424
510	19.4081	770	0.5431
520	20.8739	780	0.4007
530	22.1806	790	0.2977
540	23.8222	800	0.2316
550	25.8542	810	0.1722
560	28.2847	820	0.1332
570	30.8375	830	0.0987
580	33.6015	840	0.0815
590	35.6557	850	0.0682
600	36.4646		

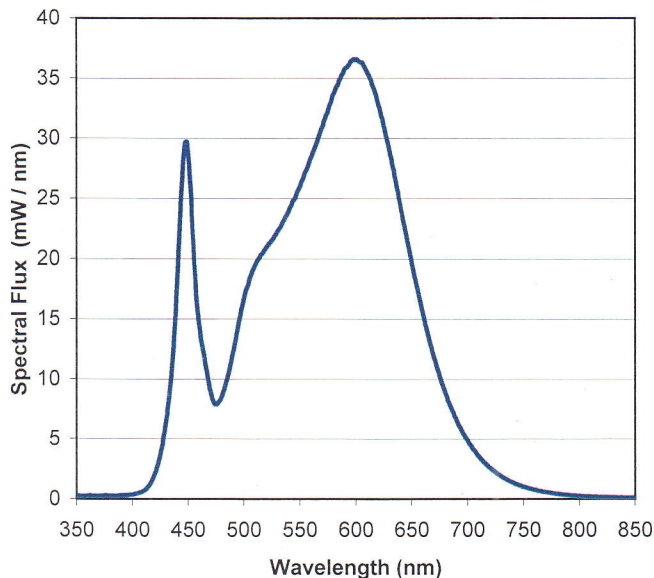


Data collected per LM79-08 using a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

Kelly C Lerbs
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.