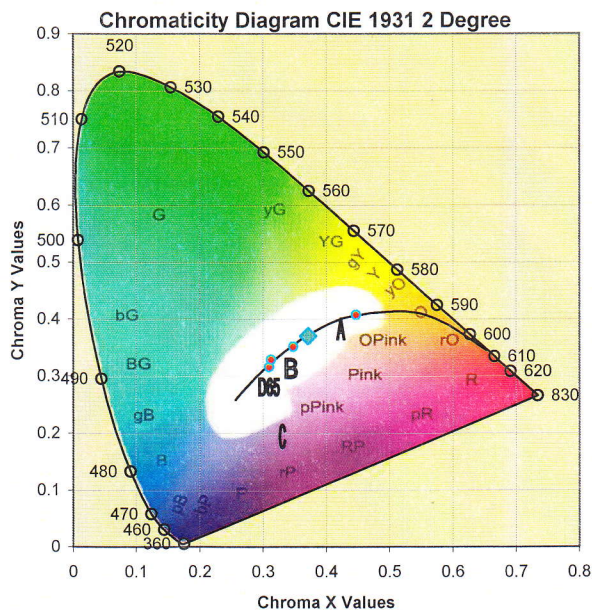


BALLABS CERTIFIED TEST REPORT NO.: 20262.0 A DATE 02/14/18
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: 2-56 LED 22"ARRAY 1x4'RECESSED LUMINAIRE w/WHITE ASYM REFL
FROSTED ACRYLIC INTERIOR LENS & ASYM ACRYLIC BOTTOM LENS
ADVANCE #XI095C275V054BSS1 @ 1850mA
CATALOG NBR: MDSG-14-L100/840-ASY
LAMP TYPE : HLM 2256_5630 REV A 10560223

INPUT VOLTAGE (V)	120.06
INPUT CURRENT (A)	0.7460
INPUT WATTS (W)	89.3100
POWER FACTOR	0.9971
THDv (%)	0.168
THDi (%)	5.772
LUMINOUS EFFICACY-LPW	94.3
LUMINOUS FLUX- LUMENS	8419
CHROMA x	0.3722
CHROMA y	0.3703
CHROMA u	0.2223
CHROMA v	0.4975
DELTA uv (Duv)	-0.0006
CORR COLOR TEMP (K)	4187
COLOR REND INDEX (RA)	83.74
COLOR REND INDEX (R9)	11.9

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.8941	610	134.9883
360	0.9307	620	122.2496
370	1.0199	630	106.9863
380	1.0731	640	90.3580
390	1.2680	650	73.9657
400	1.8007	660	58.6108
410	4.0786	670	44.9906
420	13.2898	680	34.1372
430	40.9600	690	25.6300
440	104.5556	700	18.9865
450	161.9967	710	14.0034
460	85.8850	720	10.2774
470	50.8093	730	7.5291
480	42.8340	740	5.5322
490	57.3283	750	4.0996
500	77.4419	760	3.0681
510	91.6388	770	2.2468
520	99.1326	780	1.6685
530	104.6668	790	1.2755
540	110.8187	800	0.9457
550	117.9261	810	0.7266
560	125.1497	820	0.5830
570	131.9364	830	0.4421
580	138.6151	840	0.3506
590	143.0600	850	0.2783
600	142.0492		

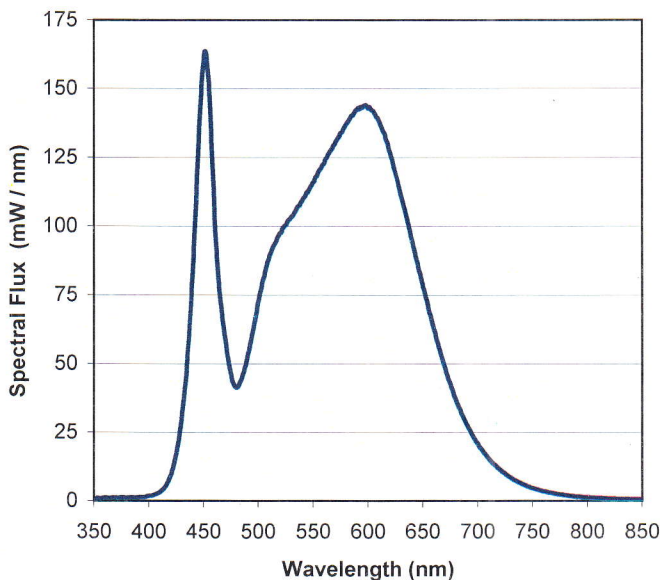


Data collected utilizing a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

Kelly C. Lerbs
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.