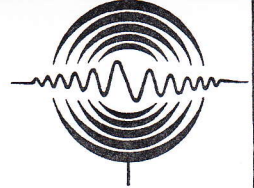


BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

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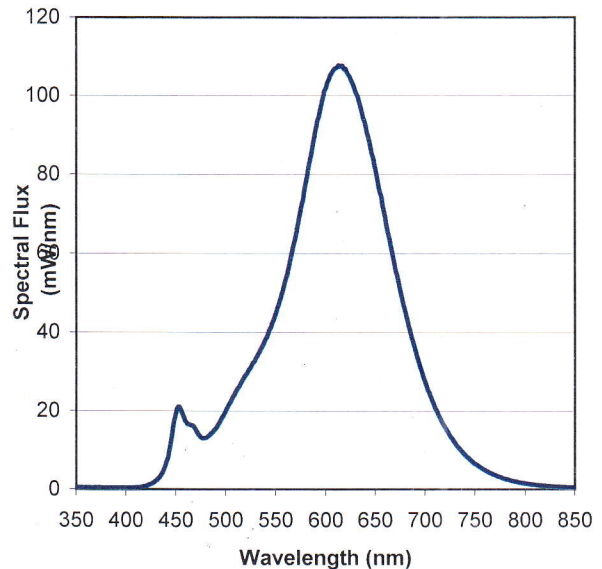
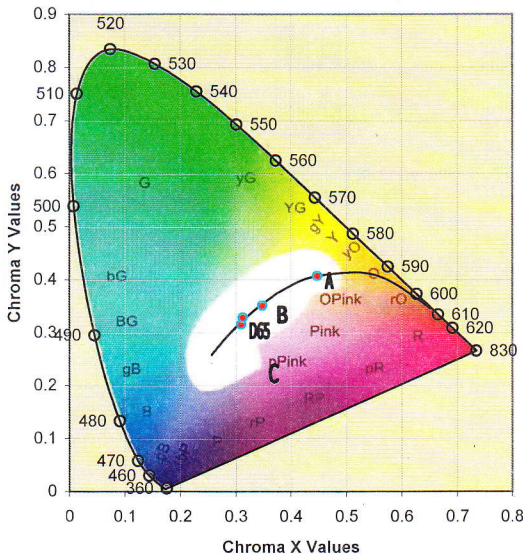


BALLABS CERTIFIED TEST REPORT NO.: 19383.0 A DATE 06/06/16
 PREPARED FOR: CHAMELEON LIGHTING - ELLISVILLE, MO
 DESCRIPTION: 2-168 LUMILEDS LED HALF RND ARRAYS 28.5"DIA LUMINAIRE
 WHITE REFLECTOR w/WHITE FROSTED ACRYLIC DRUM DIFFUSER
 DAVE ENG DDPM #DE10101 PROG TO 2200K CCT & FULL OUTPUT
 CATALOG NBR: SV2-22
 LAMP TYPE : CHAMELEON SEMI CIRCLE 2200/6500LED CHIP PCB #DE10052

INPUT VOLTAGE (V)	120.0
INPUT CURRENT (A)	0.4846
INPUT WATTS (W)	57.602
POWER FACTOR	0.9906
THDv (%)	0.144%
THDi (%)	10.697%
LUMINOUS EFFICACY-LPW	74.0
LUMINOUS FLUX- LUMENS	4262
CHROMA x	0.5015
CHROMA y	0.4134
CHROMA u	0.2883
CHROMA v	0.3565
DELTA uv (Duv)	-0.0006
CORR COLOR TEMP (K)	2229
COLOR REND INDEX (RA)	82.73
COLOR REND INDEX (R9)	15.9

Wavelength (nm)	Spectral Flux (mW/nm)	Wavelength (nm)	Spectral Flux (mW/nm)
350	0.3687	610	106.7884
360	0.3686	620	106.7070
370	0.3528	630	101.1496
380	0.3274	640	92.5748
390	0.2947	650	81.5288
400	0.3103	660	69.1208
410	0.3896	670	56.4442
420	0.7618	680	45.3377
430	2.0203	690	35.5957
440	5.9901	700	27.4830
450	18.9321	710	20.8545
460	17.3078	720	15.6951
470	15.1581	730	11.6970
480	13.0356	740	8.6895
490	15.3284	750	6.4168
500	19.7431	760	4.7490
510	24.5883	770	3.5045
520	28.9020	780	2.5820
530	33.1658	790	1.8851
540	38.0504	800	1.4103
550	44.4077	810	1.0369
560	53.1023	820	0.7811
570	64.0285	830	0.5937
580	77.3683	840	0.4596
590	91.0389	850	0.3651
600	101.7106		

Chromaticity Diagram CIE 1931 2 Degree



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.

SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.