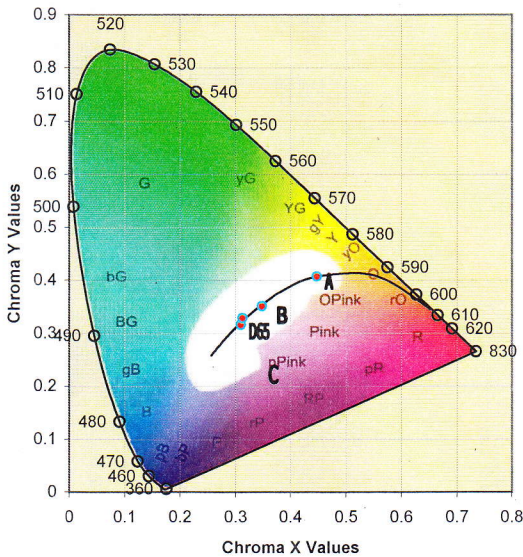


BALLABS CERTIFIED TEST REPORT NO.: 19384.0 A DATE 06/06/16
 PREPARED FOR: CHAMELEON LIGHTING - ELLISVILLE, MO
 DESCRIPTION: 2-168 LUMILEDS LED HALF RND ARRAYS 28.5"DIA LUMINAIRE
 WHITE REFLECTOR w/WHITE FROSTED ACRYLIC DRUM DIFFUSER
 DAVE ENG DDPM #DE10101 PROG TO 2400K CCT & FULL OUTPUT
 CATALOG NBR: SV2-22
 LAMP TYPE : CHAMELEON SEMI CIRCLE 2200/6500LED CHIP PCB #DE10052

INPUT VOLTAGE (V)	120.0
INPUT CURRENT (A)	0.514.84
INPUT WATTS (W)	61.175
POWER FACTOR	0.9905
THDv (%)	0.150%
THDi (%)	10.665%
LUMINOUS EFFICACY-LPW	75.8
LUMINOUS FLUX- LUMENS	4638
CHROMA x	0.4818
CHROMA y	0.4045
CHROMA u	0.2797
CHROMA v	0.3522
DELTA uv (Duv)	-0.0033
CORR COLOR TEMP (K)	2376
COLOR REND INDEX (RA)	84.36
COLOR REND INDEX (R9)	23.0

Wavelength (nm)	Spectral Flux (mW/nm)	Wavelength (nm)	Spectral Flux (mW/nm)
350	0.4455	610	111.4591
360	0.4608	620	110.8681
370	0.4234	630	104.7124
380	0.3989	640	95.4437
390	0.3622	650	83.9603
400	0.3759	660	71.0054
410	0.4660	670	57.9671
420	0.9491	680	46.5601
430	2.5934	690	36.5005
440	7.9484	700	28.1784
450	25.8923	710	21.3571
460	32.1153	720	16.1000
470	24.0618	730	11.9909
480	18.8178	740	8.8861
490	19.5165	750	6.5882
500	23.8625	760	4.8838
510	29.1658	770	3.5901
520	33.9388	780	2.6392
530	38.4268	790	1.9579
540	43.4340	800	1.4669
550	49.8754	810	1.0937
560	58.7966	820	0.8073
570	69.7310	830	0.6259
580	82.9378	840	0.4705
590	96.4648	850	0.3631
600	106.7016		

Chromaticity Diagram CIE 1931 2 Degree

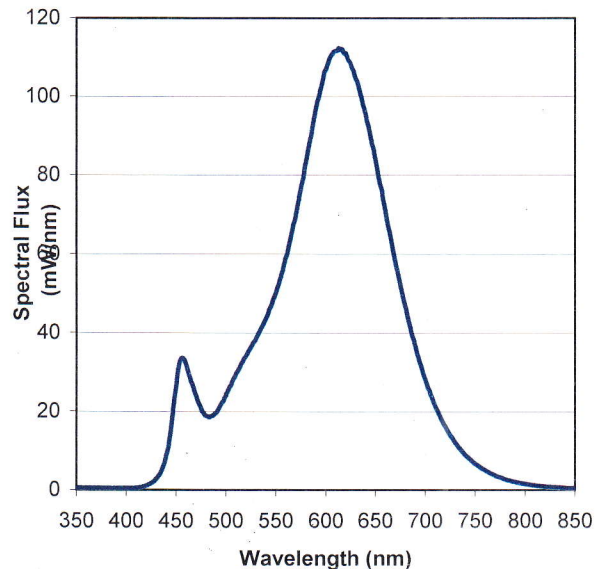


Data collected utilizing a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

Kelly C. Lerbs
Vice President



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