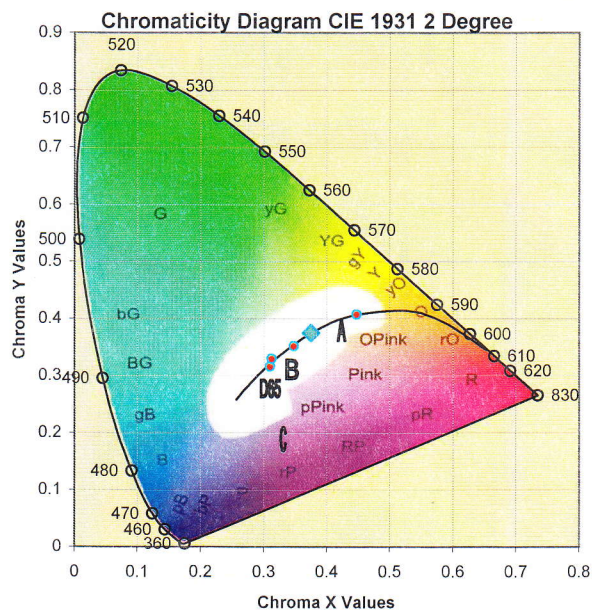


BALLABS CERTIFIED TEST REPORT NO.: 20301.0 A DATE
PREPARED FOR: H.E. WILLIAMS, INC. - CARTHAGE, MO
DESCRIPTION: 2-84 LED 22"ARRAYS 1x4'RECESSED LUMINAIRE
WHITE REFLECTOR w/FROSTED PAT12 ACRYLIC LENS
ADVANCE #XI095C275V054BSS1 @ 1850mA
CATALOG NBR: MDSG-14-L100-840-SYM
LAMP TYPE : HLM 2284 5630 REV A 10560243

DATE 03/19/18

INPUT VOLTAGE (V)	119.96
INPUT CURRENT (A)	0.7174
INPUT WATTS (W)	85.7900
POWER FACTOR	0.9969
THD _v (%)	0.168
THD _i (%)	6.057
LUMINOUS EFFICACY-LPW	120.1
LUMINOUS FLUX- LUMENS	10304
CHROMA x	0.3754
CHROMA y	0.3743
CHROMA u	0.2228
CHROMA v	0.4998
DELTA uv (Duv)	0.0004
CORR COLOR TEMP (K)	4122
COLOR REND INDEX (RA)	83.16
COLOR REND INDEX (R9)	7.4

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	1.2594	610	166.6766
360	1.1424	620	150.6770
370	1.1558	630	131.1386
380	1.3092	640	108.9450
390	1.5354	650	87.7927
400	2.1643	660	68.6718
410	4.7527	670	52.4118
420	14.6495	680	39.5576
430	45.1275	690	29.4169
440	117.2527	700	21.6597
450	191.7688	710	16.0135
460	103.9608	720	11.7469
470	62.6741	730	8.5605
480	52.6323	740	6.2273
490	70.1559	750	4.5641
500	94.6106	760	3.3893
510	110.6675	770	2.4722
520	120.1148	780	1.8544
530	127.0489	790	1.4006
540	134.7767	800	1.0473
550	143.7535	810	0.8311
560	153.2137	820	0.6373
570	162.7076	830	0.4922
580	171.4446	840	0.4203
590	176.8071	850	0.3432
600	175.4425		



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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