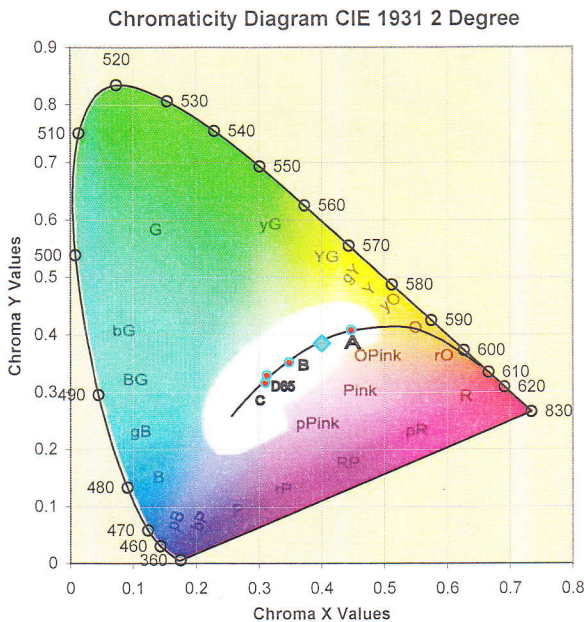


BALLABS CERTIFIED TEST REPORT NO.: 20933.0 A DATE 08/16/19
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: 2-28LED 22"ARRAY 2X4'RETROFIT KIT w/WHITE REFL & RIBBED
FROST CENTER LENS - LITHONIA 2GT833212MVOLT TEST HOUSING
ADVANCE #CI031C068V045CNN2 @ 270mA
CATALOG NBR: PTR-24-L38/835-RA-DIM_PH-UNV
LAMP TYPE : 10560202 HLM2228_5630_REV B

INPUT VOLTAGE (V)	120.03
INPUT CURRENT (A)	0.2694
INPUT WATTS (W)	32.1670
POWER FACTOR	0.9949
THD _v (%)	0.156
THD _i (%)	9.887
LUMINOUS EFFICACY-LPW	132.5
LUMINOUS FLUX- LUMENS	4262
CHROMA x	0.4007
CHROMA y	0.3846
CHROMA u	0.2352
CHROMA v	0.5080
DELTA uv (Duv)	-0.0017
CORR COLOR TEMP (K)	3553
COLOR REND INDEX (RA)	84.11
COLOR REND INDEX (R9)	10.1

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.5371	610	77.1937
360	0.6194	620	70.9944
370	0.5718	630	62.3016
380	0.5791	640	52.1984
390	0.6534	650	42.0542
400	0.8226	660	32.8489
410	1.5241	670	25.0298
420	4.1732	680	18.7792
430	12.2240	690	13.8577
440	31.2228	700	10.1520
450	66.6288	710	7.4142
460	40.5055	720	5.3866
470	26.9877	730	3.8568
480	21.4771	740	2.8225
490	26.6520	750	2.0364
500	35.2826	760	1.5269
510	41.5497	770	1.1109
520	45.2669	780	0.8172
530	48.0124	790	0.6116
540	51.2027	800	0.4629
550	55.2354	810	0.3600
560	60.6351	820	0.2632
570	67.0512	830	0.2045
580	73.6444	840	0.1540
590	78.3271	850	0.1157
600	79.8434		



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

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