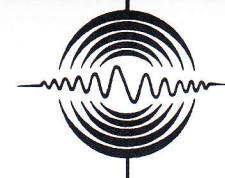


# BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.

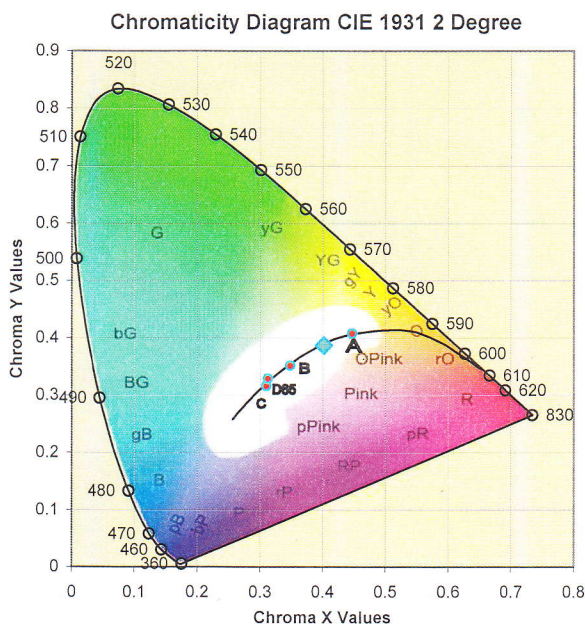
1618 HEADLAND DR.  
FENTON, MO 63026  
(636) 343-6006  
(636) 343-6051 FAX



BALLABS CERTIFIED TEST REPORT NO.: 20931.0 A DATE 08/16/19  
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO  
DESCRIPTION: 2-28LED 22"ARRAY 2x4'LT LED TROFFER LUMINAIRE  
WHITE REFL & BLACK SIDE VENTS w/5.375"FROST CENTER LENS  
ADVANCE #CI031C068V045CNN2 @ 680mA  
CATALOG NBR: LT-AR24-L40/835-AF-DIM-UNV  
LAMP TYPE : 10560202 HLM2228\_5630 REV B

INPUT VOLTAGE (V)	120.03
INPUT CURRENT (A)	0.2694
INPUT WATTS (W)	32.2070
POWER FACTOR	0.9961
THDv (%)	0.165
THDi (%)	8.710
LUMINOUS EFFICACY-LPW	134.3
LUMINOUS FLUX- LUMENS	4325
CHROMA x	0.4021
CHROMA y	0.3870
CHROMA u	0.2352
CHROMA v	0.5092
DELTA uv (Duv)	-0.0009
CORR COLOR TEMP (K)	3541
COLOR REND INDEX (RA)	83.72
COLOR REND INDEX (R9)	8.1

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.5594	610	78.3974
360	0.5072	620	71.6859
370	0.5104	630	62.6167
380	0.6563	640	52.5119
390	0.6501	650	42.4843
400	0.7823	660	33.2622
410	1.4991	670	25.2895
420	3.9417	680	18.9798
430	11.1627	690	14.0653
440	28.2021	700	10.3238
450	64.9871	710	7.4847
460	42.3205	720	5.4493
470	28.6459	730	3.9437
480	22.1858	740	2.8462
490	27.1537	750	2.0522
500	35.5391	760	1.5338
510	41.9135	770	1.1339
520	45.6794	780	0.8389
530	48.6820	790	0.6319
540	51.8128	800	0.4661
550	56.2140	810	0.3622
560	61.8034	820	0.2622
570	68.2262	830	0.2230
580	74.9916	840	0.1762
590	79.7741	850	0.1350
600	81.3002		

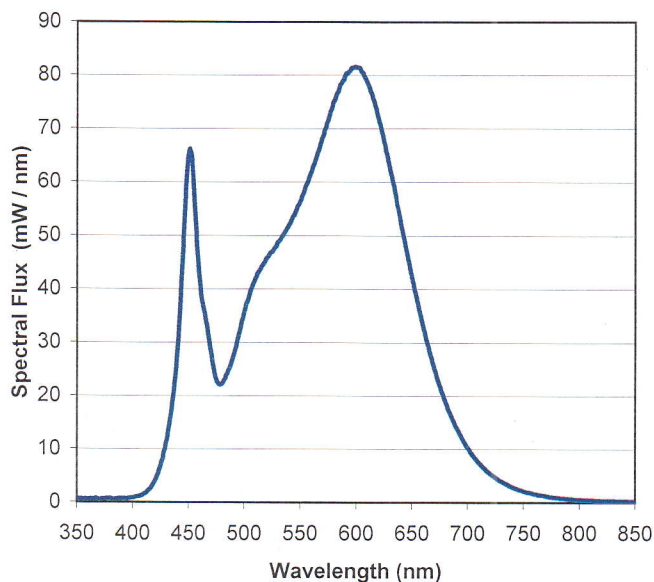


Data collected per LM79-08 using a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

*[Signature]*  
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.