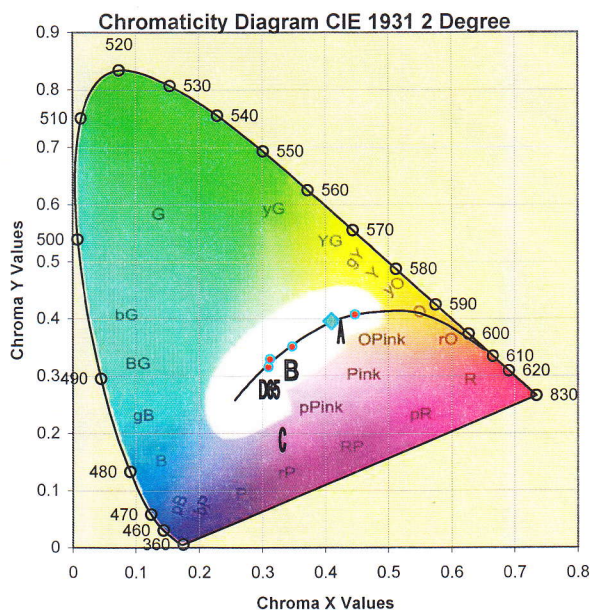


BALLABS CERTIFIED TEST REPORT NO.: 20334.0 A      DATE 04/23/18  
 PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO  
 DESCRIPTION: GEN7 V22 LED 4" TALL HEATSINK 4" SQ CAST HOUSING DOWNLIGHT  
 ACRYLIC MED TIR OPTIC & 4" ALUM SEMI-SPEC TRIM w/FROST FILM  
 ADVANCE #XI050C140V054DSM5 @ 1195mA  
 CATALOG NBR: 4DS-L40/835-DIM-UNV-O-M-OF-CS  
 LAMP TYPE : BXRE-35E6500

INPUT VOLTAGE (V)	119.99
INPUT CURRENT (A)	0.3786
INPUT WATTS (W)	45.2780
POWER FACTOR	0.9967
THD <sub>v</sub> (%)	0.164
THD <sub>i</sub> (%)	5.461
LUMINOUS EFFICACY-LPW	89.6
LUMINOUS FLUX- LUMENS	4056
CHROMA x	0.4106
CHROMA y	0.3956
CHROMA u	0.2371
CHROMA v	0.5141
DELTA uv (Duv)	0.0010
CORR COLOR TEMP (K)	3427
COLOR REND INDEX (RA)	82.61
COLOR REND INDEX (R9)	8.8

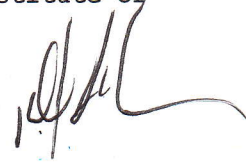
Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.2402	610	56.3663
360	0.2754	620	60.4151
370	0.2861	630	64.7117
380	0.2353	640	68.9235
390	0.2790	650	72.4133
400	0.2556	660	74.5716
410	0.3156	670	75.3593
420	0.4658	680	74.0021
430	1.0314	690	70.6191
440	2.5079	700	65.7560
450	6.1165	710	59.5026
460	13.3238	720	52.5957
470	31.3905	730	45.6459
480	59.3183	740	38.7811
490	40.4677	750	32.5081
500	29.2171	760	26.7774
510	20.5156	770	21.8077
520	19.4902	780	17.6977
530	22.7126	790	14.1435
540	28.3466	800	11.3170
550	34.0885	810	9.0062
560	38.7315	820	7.1427
570	42.3833	830	5.6867
580	45.6005	840	4.4929
590	49.0574	850	3.5083
600	52.6911		

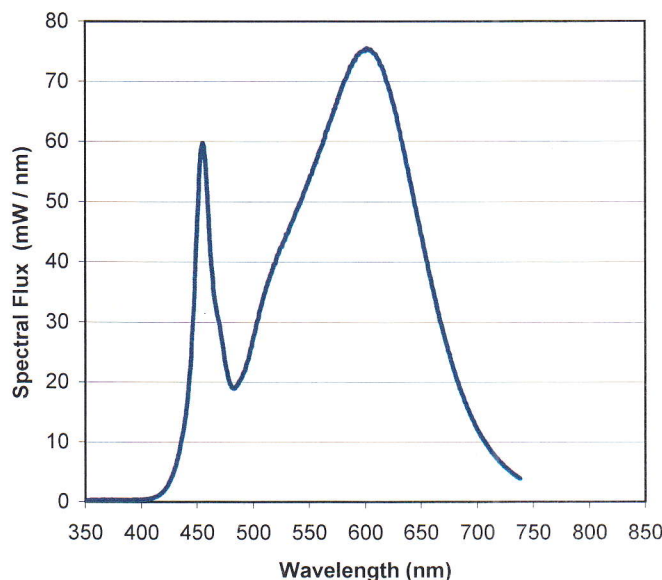


Data collected utilizing a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

  
 Kelly C. Lerbs  
 Vice President



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