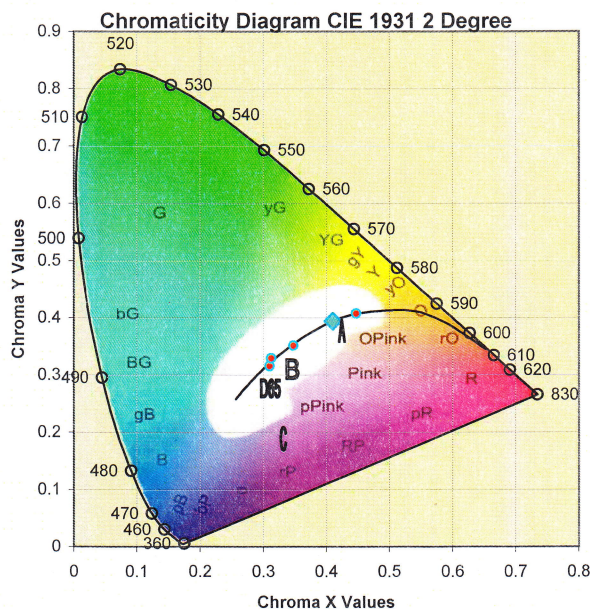


BALLABS CERTIFIED TEST REPORT NO.: 20330.0 A DATE 04/13/18
 PREPARED FOR: H.E. WILLIAMS, INC - CARTAGE, MO
 DESCRIPTION: GEN7 V18 LED 4" TALL HEATSINK 4" SQ CAST HOUSING DOWNLIGHT
 ACRYLIC MED TIR OPTIC & 4" SEMI-SPEC TRIM w/FROST FILM
 ADVANCE # XI036C100V054DSM5 @ 915mA
 CATALOG NBR: 4DS-L30/835-DIM-UNV-O-M-OF-CS
 LAMP TYPE : BXRE-35E4000

INPUT VOLTAGE (V)	120.03
INPUT CURRENT (A)	0.2971
INPUT WATTS (W)	35.4640
POWER FACTOR	0.9946
THDv (%)	0.171
THDi (%)	5.721
LUMINOUS EFFICACY-LPW	87.0
LUMINOUS FLUX- LUMENS	3086
CHROMA x	0.4109
CHROMA y	0.3940
CHROMA u	0.2380
CHROMA v	0.5134
DELTA uv (Duv)	0.0002
CORR COLOR TEMP (K)	3406
COLOR REND INDEX (RA)	82.99
COLOR REND INDEX (R9)	10.2

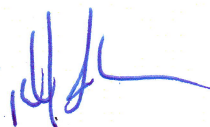
Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.1638	610	56.3707
360	0.2137	620	52.4393
370	0.1912	630	46.5113
380	0.1901	640	39.9188
390	0.2053	650	32.9037
400	0.2932	660	26.2665
410	0.6856	670	20.3867
420	2.1575	680	15.6142
430	6.5760	690	11.7471
440	16.9424	700	8.7621
450	42.6847	710	6.4525
460	28.8078	720	4.7700
470	18.9441	730	3.4616
480	14.1088	740	2.5379
490	16.6731	750	1.8720
500	22.2970	760	1.3929
510	27.4172	770	1.0347
520	31.2637	780	0.7616
530	34.3560	790	0.5679
540	37.6533	800	0.4259
550	41.2841	810	0.3400
560	45.1367	820	0.2499
570	49.2686	830	0.2020
580	53.3875	840	0.1468
590	56.3863	850	0.1158
600	57.6443		

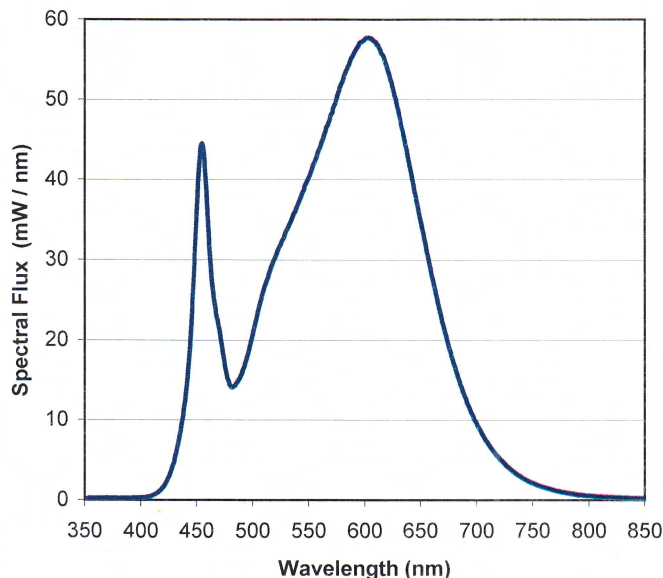


Data collected utilizing a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0


 Kelly C. Lerbs
 Vice President



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