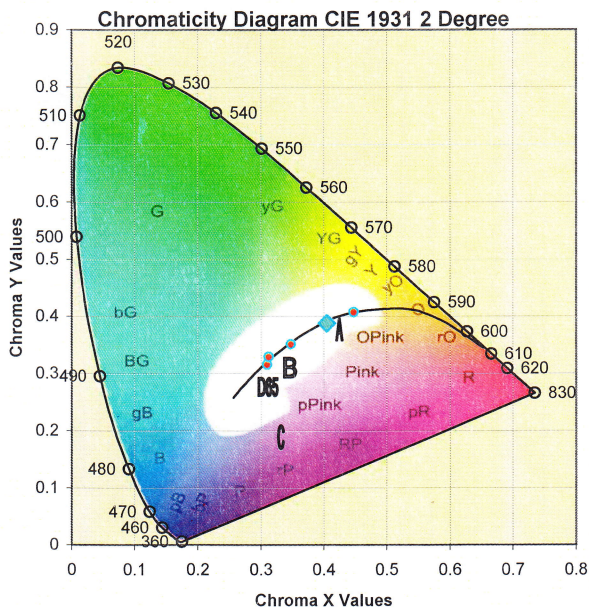


BALLABS CERTIFIED TEST REPORT NO.: 20312.0 A DATE 04/20/18
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: GEN7 V13 LED 4"SHORT HEATSINK 4"SQ CAST HOUSING DOWNLIGHT
ACRYLIC MED TIR OPTIC & 4"SEMI-SPEC TRIM w/FROST FILM
ADVANCE # XI025C070V054DSM1 @ 625mA
CATALOG NBR: 4DS-L20/835-DIM-UNV-O-M-OF-CS
LAMP TYPE : BXRE-35E2000

INPUT VOLTAGE (V)	119.98
INPUT CURRENT (A)	0.2099
INPUT WATTS (W)	24.9840
POWER FACTOR	0.9920
THDv (%)	0.173
THDi (%)	7.608
LUMINOUS EFFICACY-LPW	83.6
LUMINOUS FLUX- LUMENS	2089
CHROMA x	0.4052
CHROMA y	0.3878
CHROMA u	0.2369
CHROMA v	0.5100
DELTA uv (Duv)	-0.0013
CORR COLOR TEMP (K)	3478
COLOR REND INDEX (RA)	83.79
COLOR REND INDEX (R9)	13.8

Wavelength (nm)	Spectral Flux mW/nm	Wavelength (nm)	Spectral Flux mW/nm
350	0.1406	610	37.9334
360	0.1547	620	35.3516
370	0.1592	630	31.3360
380	0.1553	640	26.8482
390	0.1476	650	22.1461
400	0.2106	660	17.6338
410	0.5000	670	13.7416
420	1.6190	680	10.4931
430	4.8563	690	7.8981
440	12.3317	700	5.8565
450	30.9193	710	4.3236
460	21.7110	720	3.1968
470	14.0232	730	2.3292
480	10.1673	740	1.6990
490	11.7916	750	1.2495
500	15.4246	760	0.9361
510	18.8008	770	0.6854
520	21.3334	780	0.5060
530	23.3899	790	0.3806
540	25.5584	800	0.2856
550	27.9106	810	0.2192
560	30.5221	820	0.1683
570	33.2170	830	0.1332
580	35.9117	840	0.1050
590	37.8753	850	0.0787
600	38.7612		



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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