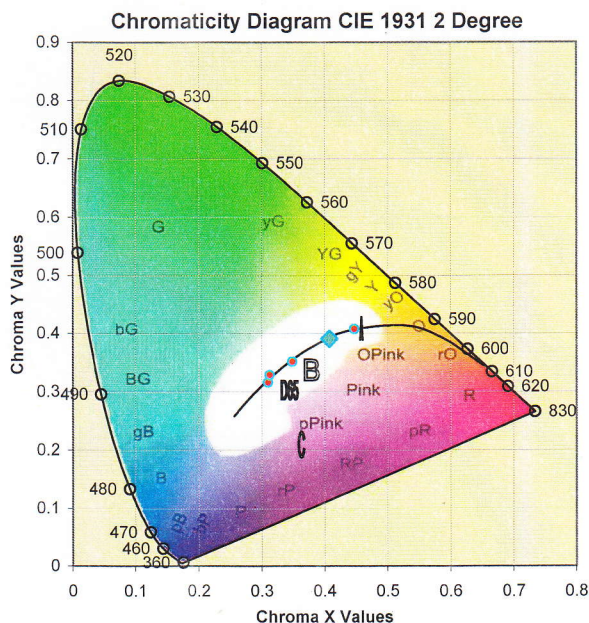


BALLABS CERTIFIED TEST REPORT NO.: 20683.0 A DATE 12/12/18
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: 1 BRIDGELUX V13 LED 4"RND RECESSED CAST HOUSING DOWNLIGHT
OPEN SEMI-SPEC SPUN ALUM REFL w/DOMED DIFF TOP LENS (WIDE)
ADVANCE # XI025C070V054DSM5 @ 490mA
CATALOG NBR: 4DR-TL-L20/835-DIM1-UNV-OW (V2A) -OF-CS-TD
LAMP TYPE : V13 BXRE-35E2000

| | |
|-----------------------|---------|
| INPUT VOLTAGE (V) | 119.86 |
| INPUT CURRENT (A) | 0.1687 |
| INPUT WATTS (W) | 19.8500 |
| POWER FACTOR | 0.9819 |
| THD _v (%) | 0.165 |
| THD _i (%) | 9.444 |
| LUMINOUS EFFICACY-LPW | 76.2 |
| LUMINOUS FLUX- LUMENS | 1512 |
| CHROMA x | 0.4077 |
| CHROMA y | 0.3910 |
| CHROMA u | 0.2371 |
| CHROMA v | 0.5117 |
| DELTA uv (Duv) | -0.0004 |
| CORR COLOR TEMP (K) | 3451 |
| COLOR REND INDEX (RA) | 83.33 |
| COLOR REND INDEX (R9) | 12.0 |

| Wavelength (nm) | Spectral Flux mW/nm | Wavelength (nm) | Spectral Flux mW/nm |
|-----------------|---------------------|-----------------|---------------------|
| 350 | 0.0969 | 610 | 27.4062 |
| 360 | 0.0992 | 620 | 25.6136 |
| 370 | 0.0972 | 630 | 22.8075 |
| 380 | 0.0933 | 640 | 19.4356 |
| 390 | 0.0970 | 650 | 15.9813 |
| 400 | 0.1546 | 660 | 12.7553 |
| 410 | 0.4064 | 670 | 9.8950 |
| 420 | 1.4266 | 680 | 7.4981 |
| 430 | 4.2368 | 690 | 5.6412 |
| 440 | 10.9973 | 700 | 4.1576 |
| 450 | 22.5958 | 710 | 3.0878 |
| 460 | 12.5800 | 720 | 2.2528 |
| 470 | 8.0653 | 730 | 1.6434 |
| 480 | 6.4969 | 740 | 1.1873 |
| 490 | 8.2299 | 750 | 0.8826 |
| 500 | 11.3644 | 760 | 0.6553 |
| 510 | 13.8767 | 770 | 0.4764 |
| 520 | 15.6496 | 780 | 0.3479 |
| 530 | 17.1206 | 790 | 0.2656 |
| 540 | 18.5291 | 800 | 0.1972 |
| 550 | 20.2696 | 810 | 0.1513 |
| 560 | 22.1156 | 820 | 0.1127 |
| 570 | 24.0508 | 830 | 0.0862 |
| 580 | 25.9246 | 840 | 0.0739 |
| 590 | 27.2513 | 850 | 0.0586 |
| 600 | 27.9335 | | |

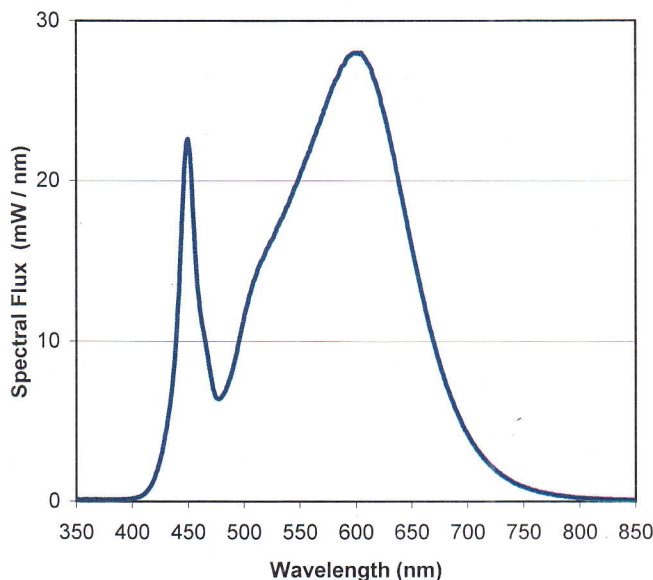


Data collected per LM79-08 using a Labsphere integrating sphere and 2100 spectroradiometer. Calibration of the spectroradiometer-sphere is traceable to the National Institute of Standards and Technology.



NVLAP LAB CODE 200921-0

[Signature]
Kelly C. Lerbs
Vice President



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