

**LM-79-08 TEST REPORT: LTL29657S**

CATALOG: ATBL D MVOLT R2 3K



TEST #: LTL29657S

TEST DATE: 12/11/2015

CATALOG: ATBL D MVOLT R2 3K

DESCRIPTION: XI300C150V300BSR1M PROGRAMMED TO 970MA , 4 3000K 17LED CREEXP-L PCBA , R2 GLASS , RE-411  
MIRO 4 REFLECTOR

## CONFIGURATION:

LUMINOUS FLUX(LU): 21502.71

INPUT POWER(WATTS): 207.45

EFFICACY(LU/WATTS): 103.65

CCT: 3091

CRI: 81.1

**EVALUATED PARAMETERS**

LUMINOUS FLUX

CORRELATED COLOR TEMPERATURE (CCT)

COLOR RENDERING INDEX (CRI)

CHROMATICITY COORDINATES

LUMINOUS EFFICACY

INPUT ELECTRICAL INCLUDING VOLTS, AMPS, WATTS, POWER FACTOR, AND FREQUENCY

**TEST LAB:** ACUITY BRANDS LIGHTING CONYERS LAB, ONE LITHONIA WAY BUILDING 3 CONYERS, GA 30012**TEST EQUIPMENT**

| NUMBER | MAKE               | MODEL #      | SERIAL #   | TYPE                     | SCALE | CAL. DATE | CAL. DUE  |
|--------|--------------------|--------------|------------|--------------------------|-------|-----------|-----------|
| 87     | OMEGA              | CL-477       | 2020207    | T/C CALIBRATOR/INDICATOR | °C    | 4/28/2015 | 4/28/2016 |
| 90     | YOKOGAWA           | WT1030       | 12WA29426  | POWER METER              | V/A/W | 4/30/2015 | 4/30/2016 |
| 162    | OTSUKA ELECTRONICS | MC-9801:2480 | 98010115   |                          |       |           |           |
| 164    | LABSPHERE          | LPS-150-0268 | 1104119212 | POWERSUPPLY              | AUTO  | 4/30/2015 | 4/30/2016 |

THE MEASURING AND TEST EQUIPMENT USED FOR TESTS HAVE THE MINIMUM REQUIRED ACCURACY AND RANGE/FUNCTIONS, AND WERE CALIBRATED TO ASSURE THESE LEVELS.

**TEST CONDITIONS**

SAMPLE WAS TESTED IN ACCORDANCE WITH IES LM - 79 - 08 APPROVED METHOD ELECTRICAL AND PHOTOMETRIC MEASUREMENTS OF SOLID - STATE LIGHTING PRODUCTS.

SPHERE TESTS WERE PERFORMED IN A 3 METER LABSPHERE INTEGRATING SPHERE LOCATED IN A LAB AMBIENT OF 25 DEG C. SELF - ABSORPTION CORRECTION IS APPLIED TO THE SAMPLE BEING TESTED TO CORRECT FOR MISMATCHES BETWEEN THE SAMPLE AND THE STANDARD LAMP USED TO CALIBRATE THE SPHERE.

**TEST SIGN OFF**TESTED BY: DON.MASON@ACUITYBRANDS.COM REVIEWED BY: JHOSPODARSKY@LITHONIA.COM

LTL29657S (NOT PUBLISHED)

ACUITY DATA SHEET VERSION: PDM1 ISSUED 10/15/2010

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**PHOTOMETRIC DATA**

|                    |          |
|--------------------|----------|
| LUMINOUS FLUX(LU): | 21502.71 |
| SP RATIO:          | 1.33     |
| CCT:               | 3091     |
| CRI:               | 81.1     |
| CHROMA X:          | 0.431    |
| CHROMA Y:          | 0.4029   |
| CHROMA U:          | 0        |
| CHROMA V:          | 0        |
| CHROMA U':         | 0.2473   |
| CHROMA V':         | 0.52     |
| DUV VALUE:         | 0.0004   |

**ELECTRICAL**

|                        |        |
|------------------------|--------|
| INPUT POWER(WATTS):    | 207.45 |
| INPUT VOLTS(VOLTS AC): | 120    |
| INPUT CURRENT(AMPS):   | 1.74   |
| FREQUENCY(HERTZ):      | 60     |
| POWER FACTOR:          | 1      |

**CALCULATED**

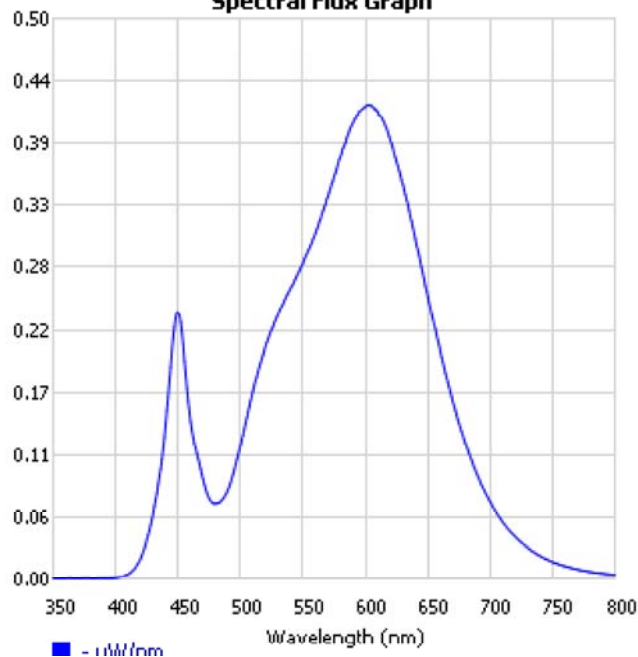
|                     |        |
|---------------------|--------|
| EFFICACY(LU/WATTS): | 103.65 |
|---------------------|--------|

**TEST INFORMATION**

|                      |         |
|----------------------|---------|
| STABILIZATION TIME:  | 60MIN   |
| INTEGRATION TIME:    | 8MS     |
| TEST POINT           | 62.3C   |
| TEMPERATURE:         |         |
| AMBIENT TEMPERATURE: | 24.9C   |
| ABSORPTION           | ENABLED |
| CORRECTION USED:     |         |

**R VALUES**

|      |      |
|------|------|
| RA:  | 81.1 |
| R1:  | 79.4 |
| R2:  | 87.8 |
| R3:  | 94.8 |
| R4:  | 80.0 |
| R5:  | 78.8 |
| R6:  | 83.8 |
| R7:  | 84.3 |
| R8:  | 60.4 |
| R9:  | 6.3  |
| R10: | 71.2 |
| R11: | 78.1 |
| R12: | 64.1 |
| R13: | 81.1 |
| R14: | 96.8 |

**Spectral Flux Graph**

**Chromaticity Diagram**
