

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

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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
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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

