

LM-79-08 TEST REPORT: ISF 191166S

CATALOG: ATBM P30 MVOLT 3K R2 AO PCLL



TEST #: ISF 191166S
TEST DATE: 1/23/2019
CATALOG: ATBM P30 MVOLT 3K R2 AO PCLL
DESCRIPTION: ATBM, J130B-V3 COB, 3000K, 70CRI, RE-402, GS-292-A GLASS, FAO, PHILLIPS XI180C180V144BSF1
PROGRAMMED TO 950MA,XI180C180V

CONFIGURATION:

LUMINOUS FLUX(LU): 14638

INPUT POWER(WATTS): 116.94

EFFICACY(LU/WATTS): 125.18

CCT: 3052

CRI: 72.56

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, DECATUR LAB, 1 ACUITY WAY, DECATUR, GA 30035**TEST EQUIPMENT**

NUMBER	MAKE	MODEL #	SERIAL #	TYPE	SCALE	CAL. DATE	CAL. DUE
194	LABSPHERE	CDS-3020	98010570	SPECTROMETER		1/10/2019	1/10/2020
195	LABSPHERE	LS-100-0833	1117152591	LAMP POWER SUPPLY		01/7/2019	01/7/2020
197	YOKOGAWA	WT1030/253630	27BX0451	DIGITAL POWER METER		01/7/2019	01/7/2020
244	GENERAL	DT80-2		THERMOCOUPLE READER		1/7/2019	1/7/2020

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: JOHNNIE.KNOX@ACUITYBRANDS.COM REVIEWED BY: MEGHNA.DAMLE@ACUITYBRANDS.COM

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PHOTOMETRIC DATA

LUMINOUS FLUX(LU):	14638
SP RATIO:	1.27
CCT:	3052
CRI:	72.56
CHROMA X:	0.4335
CHROMA Y:	0.4034
CHROMA U:	0
CHROMA V:	0
CHROMA U':	0.2486
CHROMA V':	0.5206
DUV VALUE:	0.0003

ELECTRICAL

INPUT POWER(WATTS):	116.94
INPUT VOLTS(VOLTS AC):	120
INPUT CURRENT(AMPS):	0.98
FREQUENCY(HERTZ):	60
POWER FACTOR:	0.9964
THD:	7.83

CALCULATED

EFFICACY(LU/WATTS):	125.18
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TEST INFORMATION

STABILIZATION TIME:	30MIN
INTEGRATION TIME:	8MS
TEST POINT	52.8C
TEMPERATURE:	
AMBIENT TEMPERATURE:	25.3C
ABSORPTION	ENABLED
CORRECTION USED:	

R VALUES

RA:	72.56
R1:	68.81
R2:	84.62
R3:	94.26
R4:	67.20
R5:	68.72
R6:	79.34
R7:	76.13
R8:	41.43
R9:	-35.70
R10:	65.48
R11:	62.91
R12:	53.73
R13:	72.19
R14:	97.29

