

**LM-79-08 TEST REPORT: ISF 191933S**

CATALOG: ATBX P40 R2 30K

Test #: ISF 191933S
 Test Date: 3/21/2019
 Catalog: ATBX P40 R2 30K
 Description: ATBX P40 PERFORMANCE PACKAGE, TYPE 2 DISTRIBUTION 3000K,XI030C080V054BSJ1,580mA
 Configuration:

Luminous Flux(LU): 4030

Input Power(Watts): 31.45

Efficacy(LU/Watts): 128.14

CCT: 2991

CRI: 70.94

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		2/8/2019	2/8/2020
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

ISF 191933S (NOT PUBLISHED)

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

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Photometric Data

Luminous Flux(LU):	4030
SP Ratio:	1.22
CCT:	2991
CRI:	70.94
Chroma x:	0.4391
Chroma y:	0.4075
Chroma u:	0
Chroma v:	0
Chroma u':	0.2505
Chroma v':	0.523
Duv Value:	0.0011

Electrical

Input Power(Watts):	31.45
Input Volts(Volts AC):	120
Input Current(Amps):	0.27
Frequency(Hertz):	60
Power Factor:	0.99
THD:	7.91

Calculated

Efficacy(LU/Watts):	128.14
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Test Information

Stabilization Time:	36min
Integration Time:	25ms
Test Point	42.2C
Temperature: Ambient	25.2C
Temperature: Absorption	Enabled
Correction Used:	

R Values

Ra:	70.94
R1:	66.12
R2:	81.94
R3:	94.84
R4:	67.50
R5:	67.02
R6:	77.01
R7:	75.14
R8:	37.96
R9:	-45.25
R10:	61.43
R11:	64.29
R12:	58.86
R13:	68.98
R14:	97.18

