

**LM-79-08 TEST REPORT: ISF 201031S**

CATALOG: ACPOLED P40 XXXXX 66 40K

Test #: ISF 201031S  
 Test Date: 12/18/2019  
 Catalog: ACPOLED P40 XXXXX 66 40K  
 Description: ACPOLED P40 PERFORMANCE PACKAGE, 6 BY 6 DISTRIBUTION, 40K  
 Configuration:

Luminous Flux(LU): 22669.9

Input Power(Watts): 151.1

Efficacy(LU/Watts): 150.03

CCT: 3946

CRI: 71.63

**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
240	FLUKE	179 TRUE RMS	19890232	MULTIMETER	V/A	1/7/2019	1/7/2020
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**

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ISF 201031S (NOT PUBLISHED)

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

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**Photometric Data**

Luminous Flux(LU): 22669.9  
 SP Ratio: 1.52  
 CCT: 3946  
 CRI: 71.63  
 Chroma x: 0.385  
 Chroma y: 0.3858  
 Chroma u: 0.2245  
 Chroma v: 0.3375  
 Chroma u': 0.2245  
 Chroma v': 0.5062  
 Duv Value: 0.0029

**Electrical**

Input Power(Watts): 151.1  
 Input Volts(Volts): 120  
 AC:  
 Input: 1.26  
 Current(Amps):  
 Frequency(Hertz): 60  
 Power Factor: 1  
 THD: 6.16

**Calculated**

Efficacy(LU/Watts): 150.03

**Test Information**

Stabilization Time: 64min  
 Integration Time: 8ms  
 Test Point: 39.6C  
 Temperature:  
 Ambient: 25C  
 Temperature:  
 Absorption: Enabled  
 Correction Used:

**R Values**

Ra: 71.6272  
 R1: 67.5568  
 R2: 79.7567  
 R3: 89.7227  
 R4: 69.2682  
 R5: 67.5452  
 R6: 71.3668  
 R7: 80.2585  
 R8: 47.5429  
 R9: -40.7853  
 R10: 52.5265  
 R11: 64.6985  
 R12: 41.0119  
 R13: 69.9564  
 R14: 94.2975

