

**LM-79-08 TEST REPORT: ISF 34853S**

CATALOG: MSPL2 P30 30K AS P B 7

Test #: ISF 34853S  
 Test Date: 5/23/2017  
 Catalog: MSPL2 P30 30K AS P B 7  
 Description: LM79 for DLC Submission  
 Configuration:

Luminous Flux(LU): 5310

Input Power(Watts): 51.91

Efficacy(LU/Watts): 102.29

CCT: 3051

CRI: 73.23

**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
177	GENERAL	DT80-2	121203151	THERMOCOUPLE METER	°F/°C	4/11/2017	4/11/2018
194	LABSPHERE	CDS-3020	98010570	SPECTROMETER		3/20/17	3/20/18
195	LABSPHERE	LS-100-0833	1117152591	LAMP POWER SUPPLY		01/16/2017	01/16/2018
197	YOKOGAWA	WT1030/253630	27BX0451	DIGITAL POWER METER		01/16/2017	01/16/2018

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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**Photometric Data**

Luminous Flux(LU): 5310  
 SP Ratio: 1.24  
 CCT: 3051  
 CRI: 73.23  
 Chroma x: 0.4346  
 Chroma y: 0.4055  
 Chroma u: 0  
 Chroma v: 0  
 Chroma u': 0.2484  
 Chroma v': 0.5216  
 Duv Value: 0.0009

**Electrical**

Input Power(Watts): 51.91  
 Input Volts(Volts AC): 120.2  
 Input Current(Amps): 0.43  
 Frequency(Hertz): 60  
 Power Factor: 1

**Calculated**

Efficacy(LU/Watts): 102.29

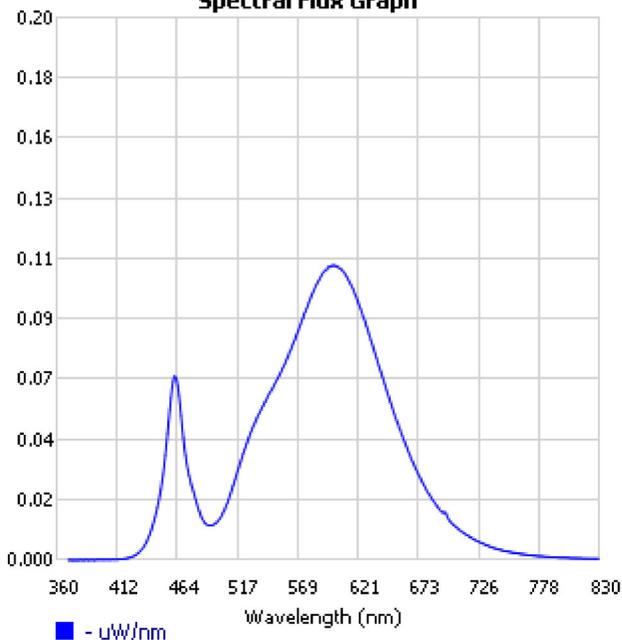
**Test Information**

Stabilization Time: 30min  
 Integration Time: 217ms  
 Test Point: 50.6C  
 Temperature: Ambient 24.6C  
 Temperature: Absorption Enabled  
 Correction Used:

**R Values**

Ra: 73.23  
 R1: 69.85  
 R2: 83.54  
 R3: 94.05  
 R4: 68.18  
 R5: 68.47  
 R6: 76.52  
 R7: 78.96  
 R8: 46.32  
 R9: -26.25  
 R10: 61.08  
 R11: 62.35  
 R12: 47.20  
 R13: 72.59  
 R14: 96.69

**Spectral Flux Graph**



**Chromacity Diagram**

