

LM-79-08 TEST REPORT: ISF 34852S

CATALOG: MSPL2 P10 30K AS P B 7

Test #: ISF 34852S
 Test Date: 5/23/2017
 Catalog: MSPL2 P10 30K AS P B 7
 Description: LM79 for DLC Submission
 Configuration:

Luminous Flux(LU): 2906

Input Power(Watts): 26.81

Efficacy(LU/Watts): 108.39

CCT: 3041

CRI: 73.49

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

Tested By: Brian.Buggs@AcuityBrands.com Reviewed By: meghna.damle@acuitybrands.com



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Photometric Data

Luminous Flux(LU): 2906
 SP Ratio: 1.24
 CCT: 3041
 CRI: 73.49
 Chroma x: 0.4357
 Chroma y: 0.4067
 Chroma u: 0
 Chroma v: 0
 Chroma u': 0.2486
 Chroma v': 0.5222
 Duv Value: 0.0012

Electrical

Input Power(Watts): 26.81
 Input Volts(Volts AC): 120.18
 Input Current(Amps): 0.23
 Frequency(Hertz): 60
 Power Factor: 0.98

Calculated

Efficacy(LU/Watts): 108.39

Test Information

Stabilization Time: 35min
 Integration Time: 406ms
 Test Point Temperature: 41.7C
 Ambient Temperature: 24.6C
 Absorption Correction Used: Enabled

R Values

Ra: 73.49
 R1: 70.18
 R2: 83.53
 R3: 94.07
 R4: 68.85
 R5: 68.81
 R6: 76.68
 R7: 79.18
 R8: 46.60
 R9: -25.73
 R10: 61.22
 R11: 63.48
 R12: 46.80
 R13: 72.84
 R14: 96.69

