



## Soraa Internal Test Report: IES LM79-08

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<b>Company Information:</b>
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### **SM16-07-25DM-930/918-01**

**Soraa MR16 GU5.3/12V, 3000K/1800K, 7.5W, 25D**

#### **Relevant Standards**

**IES LM-79**

**ANSI C78.377**

**IES PR-16**

**Soraa Lamp Lab**

## 1.0 Product Information

Customer Reference ID	SM16-07-25DM-930/918-01
Manufacturer Reference ID	SM16-07-25DM-930/918-01
Lamp Description	LAMP, MR-16 GU5.3/12V 7.5W 930/918 25D-PSO Soraa-US
Rated Input Voltage	12V
Rated Input Power	7.5W
Nominal CCT	3000K

### Photos



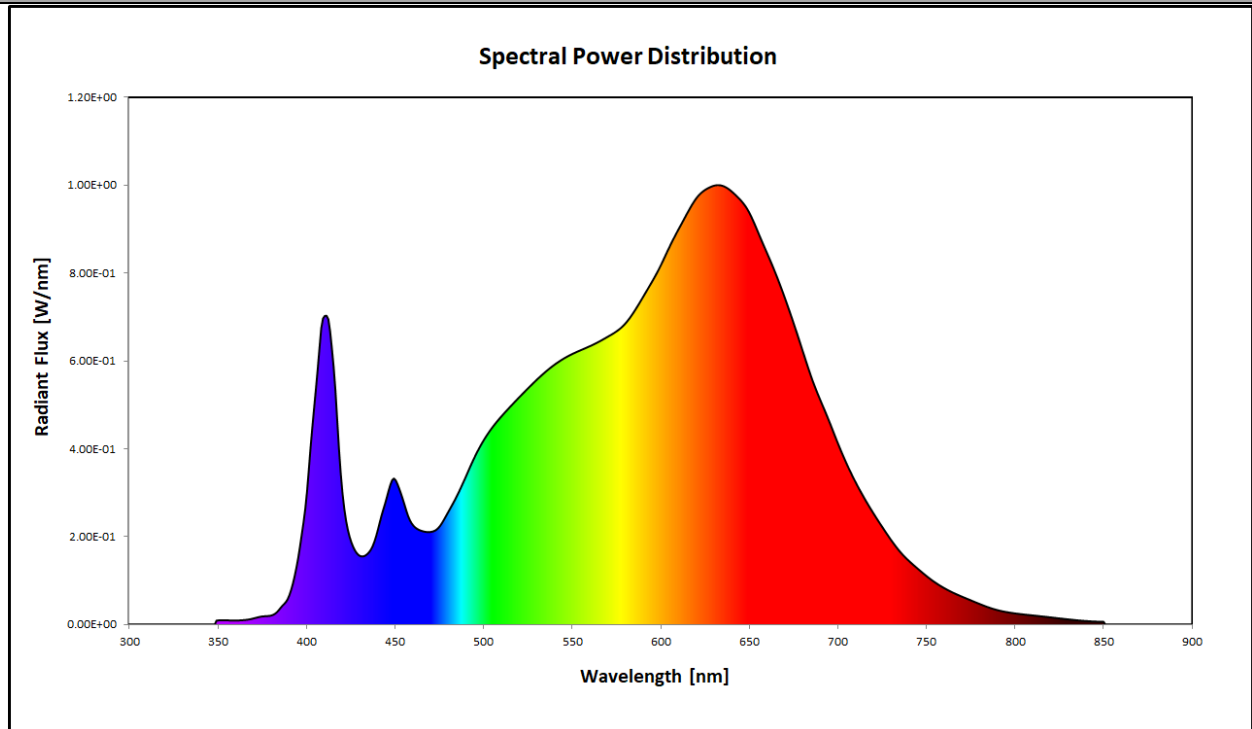
## 2.0 Results – Sphere Measurements

Test Conditions	
Orientation	Horizontal
Stabilization Time (min)	35-40
Correction Factor Applied	Self-Absorption Correction
Sphere Geometry	65" Sphere
	95% Coating Reflectance
	2 $\pi$ Geometry
Ambient Temperature (°C)	25 $\pm$ 1

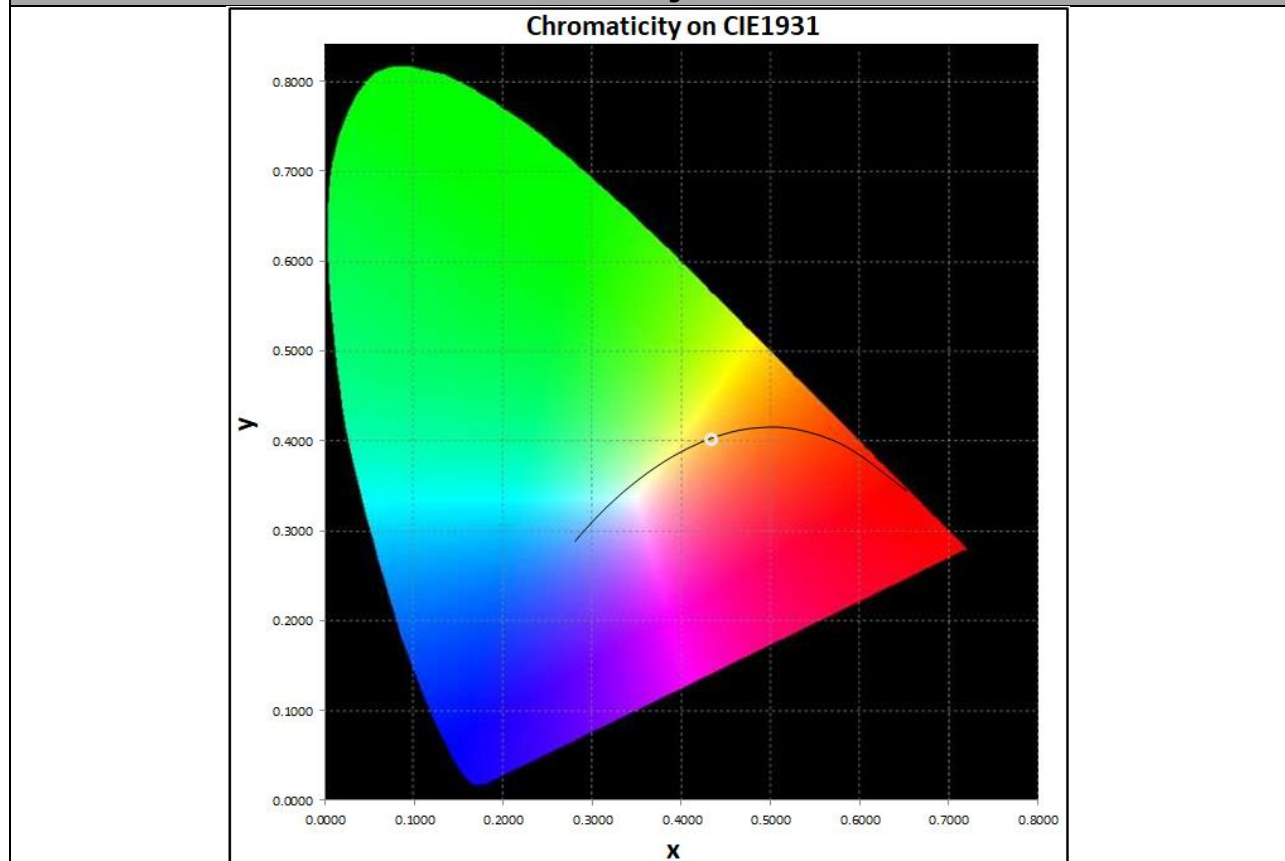
Instrument			
	Instrument	Manufacturer	Model
Photometric	Spectroradiometer	Instrument Systems	CAS 140T
	Integrating Sphere	Labsphere	65"
	Standard Lamp	Labsphere	CSFS-1400 Lamp
Electrical Instrument	Power Supply for Standard Lamp	Labsphere	LPS-150-0268
	Power Supply for Aux Lamp	Labsphere	LPS-100-0833
	Power Supply for Test Lamps	APT	Variplus 105
	Power Meter for Test Lamps	Chroma	66202
Thermometer	Digital Multimeter	Yokogawa	TY720

Measurement Results			
Photometric		Electrical	
Total Flux [lm]	476	Input Voltage [V]	12.09
Luminous Efficacy [lm/W]	62.2	Frequency [Hz]	60
Chromaticity Coordinates	$u' = 0.2497$	Current [A]	0.681
	$v' = 0.5200$	Power [W]	7.65
	$x = 0.4339$	Power Factor	0.93
	$y = 0.4017$		
CCT [K]	3032		
CRI	97		
Duv	-0.0005		

## Spectral Results



## Chromaticity Results



## CRI Results

