

1.0 Reference and Address			
Report Number	102767477CRT-004	Original Issued: 8-Nov-2016	Revised: None
Standard(s)	ENERGY STAR® Program Requirements for Luminaires Version 2.0 and ENERGY STAR® Program Requirements for Lamps V1.0, V1.1, or V2.0		
Applicant	<u>Satco Products Inc.</u>	Manufacturer	<b>Foshan Field Smart Lighting Col., Ltd.</b>
Address	110 Heartland Blvd, Edgewood, NY 11714	Address	Cangjiang Industrial District, Gaoming, Foshan City, Guangdong 528500
Country	USA	Country	China
Contact	Mr. Michael Kenwood	Contact	Jr. John Ng
Phone	(631) 243-2022	Phone	(86-757) 8862-5565
FAX	(631) 243-2027	FAX	(86-575) 8862-5589
Email	mikekenwood@satco.com	Email	john@field-smart.com

2.0 Product Description					
Product	Chandelier				
Brand name	Satco / Nuvo				
Description	The product covered by this report is a household, indoor use, permanently connected, ceiling mounted chandelier.				
Models	62-1013; 62-1113				
Model Similarity	All chandliers contain 3 bulbs. Samples differ in decorative reasons such as housing color or shape or size of lenses.				
Ratings	120V, 33W, 60Hz.				
Other Ratings	NA				
Date available	11/07/2016	Market availability	Yes	Last Mfg date	NA
Major Markets	United States,Canada				
Trans Type	Initial Certification: Model Meets ENERGY STAR Requirements				
Notes	NA				
Additional model details (optional)	Model Name or Number	Identifying Information			
Original Certificate actual issued date for model tested (only applies to revised reports)				NA	

### 3.0 Product Photographs

**Photo 1** - External view of models in family

62-1013



62-1113



### 3.0 Product Photographs

**Photo 2** - Internal view, bulb S9617



4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
1	2	Bulb (x3)	Satco	S9617	Rated 120Vac, 10.5W	cULus
NOTES:						
<p>1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.</p> <p>2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.</p> <p>3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates: a) Unlisted and only visual examination is necessary or b) marks are not required to be verified.</p>						

#### **5.0 Critical Unlisted CEC Components**

Periodic Evaluation of Critical Unlisted Components by the Intertek Component Evaluation Centers (CEC) is not required under the INTERTEK ENERGY STAR Program.

## 6.0 Critical Features

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the ENERGY STAR® Program Requirements.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

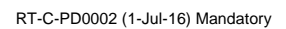
Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Product Safety Compliance - The product bears a cETLus Listing mark for luminaires from Intertek under report number 151008089GZU-001 revised 9/2/16
2. EMI Compliance - Not required to be reviewed for certification.
3. Schematics - N/A
4. Installation, Operating and Safety Instructions - N/A
5. Package Markings - The following are required: See Illustration No. 1
6. Warranty Information - The following are required: See Illustration No. 2

**Illustration 1 - Copy of representative packaging.**






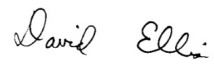
## 7.0 Illustrations

### Illustration 2 - Copy of Warranty

If lighting Fixture is an ENERGY STAR Certified LED

#### SATCO's NUVO 3 and 5 year LED Limited Warranty

Satco Products, Inc. (Satco) warrants your SATCO brand product and NUVO brand ENERGY STAR lighting fixtures, that have GU24 based light bulbs, or replaceable light engines to be free from defects in materials and workmanship for a period of (3) years. If your SATCO brand product and NUVO brand ENERGY STAR lighting fixtures have a light engine or light source, that cannot be removed, Satco warrants the light source to be free from defects in materials and workmanship for a period of (5) years. This warranty applies only to the original consumer purchaser and only to products used in normal use and service. If this product is found to be defective, Satco's only obligation, and your exclusive remedy, is the repair or replacement of the product at Satco's discretion, provided that the product has not been damaged through misuse, abuse, accident, modifications, alterations, neglect or mishandling. This warranty shall not apply to any product that is found to have been improperly installed, set-up, or used in any way not in accordance with the instructions supplied with the product.

8.0 Test Summary			
Evaluation Period	October 24, 2016 through November 7, 2016		Project No. G102767477
Sample Rec. Date	N/A - no testing	Condition Production	Sample ID. N/A - no testing
Test Location	Intertek, 3933 US RT 11, Cortland, NY 13045 (80150)		
Test Procedure	Testing Lab	Test type	Qualification
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.			
The following requirements were evaluated:			
Required Submittal Information			Submittal Data
Model Name and/or Number tested			62-1013; 62-1113
Date tested			11/07/2016
Serial number of Unit tested			
ENERGY_STAR_Luminaires_Specification_Version*			2.0
Product_Type*			Indoor Non-Directional Luminaire
Indoor_Outdoor*			Indoor Non-Directional Luminaire
Lighting_Technology*			LED
Non_Directional_Luminaire_Type*			Chandelier
Luminaire_Description			
ENERGY_STAR_Lamp_ESUID*			2273225
ANSI_Standard_Lamp_Shape*			A19
ANSI_Standard_Base_Type_Other			
Number_of_Light_Sources_per_Luminaire*			3
Total_Input_Power_W*			31.5
Source_Luminous_Efficacy_lm_W*			79.0
Standby_Power_Consumption_W			
Connected_Luminaire*			No
Communication_Standard_Media_Network_Layer_Other			
Displayed_Luminaire_Notes			
Reported_Voltage_V*			120
ENERGY_STAR_Lamp_Alternate_ESUIDs			
Communication_Standard_Media_Network_Layer			
8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Jacki Swiernik	Reviewed by:	David Ellis
Title:	Staff Engineer	Title:	Senior Project Engineer
Signature:		Signature:	

## 9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Company name.

BASIC LISTEE	SATCO/NUVO		
Address	110 Heartland Blvd, Edgewood, NY 11714		
Country	USA	EPA ID	31858
Product	Chandelier		
Contact	Mr. Michael Kenwood		
Phone	(631) 243-2022		
FAX	(631) 243-2027		
Email	mikekenwood@satco.com		

MULTIPLE LISTEE 1	None		
Address			
Country		EPA ID	
Contact			
Phone			
FAX			
Email			
Brand Name			
Date available		Market availability	Last Mfg date
Major Markets			
Trans Type			
Notes			
ASSOCIATED MANUFACTURER			
Address			
Country			
MULTIPLE LISTEE 1 MODELS		BASIC LISTEE MODELS	
Additional model details (Optional)	Model Name or Number	Identifying Information	

MULTIPLE LISTEE 2	None		
Address			
Country		EPA ID	
Contact			
Phone			
FAX			
Email			
Brand Name			
Date available		Market availability	Last Mfg date
Major Markets			
Trans Type			
Notes			
ASSOCIATED MANUFACTURER			
Address			
Country			
MULTIPLE LISTEE 2 MODELS		BASIC LISTEE MODELS	

9.0 Correlation Page For Multiple Listings		
Additional model details (Optional)		
	Model Name or Number	Identifying Information

## 10.0 General Information

The Applicant has agreed to produce products in accordance with the requirements of this report and to maintain compliance with all ENERGY STAR Product Specification requirements.

### Changes to Product Design / Alternate Components

As part of this agreement, the Applicant also has agreed to notify Intertek and to request authorization prior to making any changes to the product (including but not limited to using alternate parts, components or materials) which may effect compliance with the ENERGY STAR Product Specification. Those parts, components or materials identified as critical have been listed in Section 4.0 of this report.

### Product Surveillance

Under this Program, market surveillance is conducted on an annual basis. For each Product Type defined in the EPA ENERGY STAR Program, Intertek will select 10% of those certified products for Verification Testing in accordance with the requirements of the EPA ENERGY STAR Product Specification.

The primary source for products under Verification Testing will be the retail market. Applicants whose products are selected for Verification Testing are required to provide a list of locations where the product might be obtained. The Applicant is responsible for the cost of procurement and the Verification Tests. Should products not be readily available on the retail market, the Applicant is required to provide access to distribution warehouses to allow selection of those products. Should the product not be available on the retail market or if procurement from the retail market is not feasible, then alternate arrangements for Verification Testing will be made by the

As a general rule under the Verification Testing requirements, the products must achieve energy values within 5% of the required Tier Limit.

### Compliance with ENERGY STAR Product Specifications under Verification Testing

Products found non-compliant with ENERGY STAR Product Specification under Verification Testing, will be reported to the EPA within 48 hours and the product removed from the ENERGY STAR Program. If it is determined during Verification Testing that changes have been made to product design or critical components, the Certification Body may increase Verification Testing frequency of those products.

## 10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

**Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation**

Ship the samples to:  
Intertek Testing Services NA Inc.  
ETL Component Evaluation Center  
45000 Helm Street, Suite 150  
Plymouth Twp., MI 48170 USA  
Attn: Component Evaluation Center

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

#### **11.0 Manufacturing and Production Tests**

Manufacturing and Production tests are not required under the INTERTEK ENERGY STAR Program. However, Intertek encourages the use of such ongoing product testing to ensure compliance with the EPA ENERGY STAR Product Specifications.

## 12.0 Revision Summary

The following changes are in compliance with the declaration of Section 8.1:

[illegible]