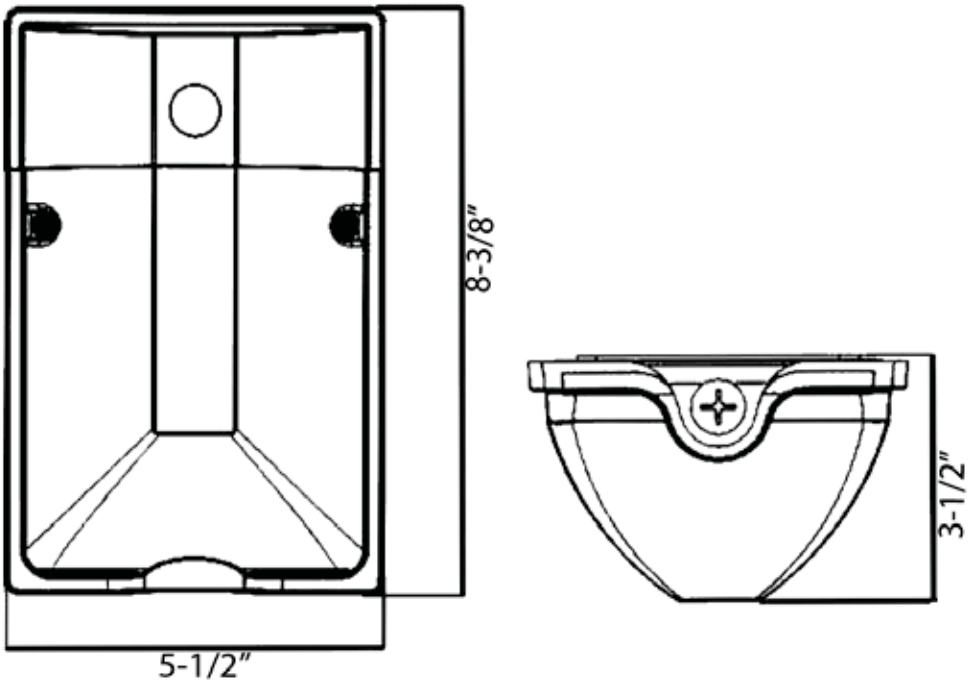
Cat# 71527
LED Designer MINI Wall-PACK

Model :		71527
OVERALL FIXTURE PARAMETERS	Input Voltage	100-277 VAC
	Input Current	0.50A Max.@120V 0 .20A@277V
	Input Power	25W
	Power Factor	PF≥ 0.95
	Luminance	2200 LM
	Luminous Efficiency	90 LM/W
	CRI	>80
	Beam Angle	180°
	Main Structure	Aluminum Housing + Frosted Polycarbonate Lens
	Surface	Powder Coat Enamel
	Photocell	120-277V Photocell Included
LED DRIVER	Output Voltage	18.2-36 VDC
	Output Current	.9A
	Driver Efficiency	88%
LED	LED Type	Philips LUMILED LUXEON 3030
	LED Quantity	14PCS
	LED Manufacturer	Philips
	LED Efficacy	110 lm/W
	Color Temperature	5000K
LIFESPAN & ENVIRONMENT	Lifespan	50000 Hrs.+
	Warranty	5 Years
	IP Rating	IP54
	Operating Temperature	-40F to 131F
	Storage Temperature.Humidity	-40℃—+80℃ , 10—90% RH
SAFETY&EMC	Safety Norms	EN60598, EN61347-2-13, EN62031, EN62471, UL1598, UL8750
	Withstand Voltage	I/P-FG: 2121VDC
	Grounding Resistance	25A 100mΩ
	Electromagnetic Compatibility	EN55015, EN61000-2-3, EN61000-3-3, EN61547
OTHERS	Diamension	Pls refer to attached dimension drawing
	Net Weight(Kg)	4.3
	Gross Weight(Kg)	5.2
	Box Size	--
	Carton Size	390*230*315
	Q'ty / Carton	1

Dimensions: 71527



NVLAP LAB CODE 200707-0

IES LM-79-08

MEASUREMENT AND TEST REPORT

For

Morris Products Inc.

53 Carey Rd Queensbury, NY 12804

Test Model: 71527

Report Type:	Electrical and Photometric tests including: Input Current, Power, Power Factor, Luminous Flux, Luminous Efficacy, CRI, CCT, Chromaticity Coordinate, Spectral Power Distribution
Test Engineer:	Daniel Duan
Report Number:	RSZ150804506-10A2
Test Date:	2015-07-23
Report Date:	2015-08-11
Reviewed By:	Jeanne Han/Safety Manager
Prepared By:	Bay Area Compliance Laboratories Corp. (Shenzhen) 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China Tel: +86-755-33320018 Fax: +86-755-33320008
Test Facility:	Test facility was located at Pu Long Cun 69, Puxinghu Industrial Area, Tangxia Town, Dongguan, Guangdong, P.R.China.
Accreditation:	The NVLAP Lab Code is 200707-0.

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STATEMENT: This test may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Shenzhen). The test data was only valid for the test sample(s). This report **must not** be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Federal Government.
This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

1. Product Description

General Information:

One sample was received on 2015-07-21 and used for testing. Sample No.: RSZ150804506-S01 Model : 71527

Model Tested:	71527
Manufacturer:	Morris Products Inc.
Brand Name:	Morris
Product Designation:	Outdoor Wall-Mounted Area Luminaires
Dimmable:	Non-Dimmable
Burning Time Before Test:	0 hour(For New Products)

Rated Values:

Rated Voltage/Frequency:	120-277V AC 60Hz
Rated Power:	25W
Nominal CCT:	5000K
Nominal Light Output:	2235lm

2. Standards Used

- IESNA LM-79-08: Approved Method: Electrical & Photometric Measurement of Solid-state Lighting Products
- ANSI C82.77-2002: Harmonic Emission Limits – Related Power Quality Requirements for Lighting

3. Description of Test Equipment

Device	Manufacture	Model No	Serial No	Test Range	Calibration date	Calibration due date
Integrating Sphere	SENSING	SPR-600	S09008	1.5 meter	2015-03-24	2016-03-24
Spectral photometer	SENSING	SPR3000	90902027	380nm～800nm	2015-03-24	2016-03-24
Power Meter	YOKOGAWA	WT-210	91j926132	15/30/60/150/300/600V	2015-03-05	2016-03-05
AC Power Supply	ALL Power	APW-105N	970613	0V-300V 50-400Hz	2015-03-05	2016-03-05
Standard Light Source	EVERFINE	D204	LSD090808	N/A	2014-08-05	2015-08-05
Thermal Meter	SENSING	N/A	N/A	25℃,45℃,55℃	2015-03-05	2016-03-05
DC Power Supply	ITECH	IT6154	0061 0417 6471 0010 19	0~60V	2015-03-05	2016-03-05

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Shenzhen) attested that all calibration has been performed using suitable standards traceable to National Primary Standards and International System of Units (SI).

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4. Test Method

Product was tested with no seasoning. All stabilization and measurements were made in compliance with IES LM-79-08. The product was operated at rated voltage or at voltage required by manufacturer. The ambient temperature of the sample was maintained at 25℃±1℃ during measurement. And relative humidity is less than 65%.

Integrating Sphere System

The system includes AC power source, digital power meter, DC power supply, spectrophotometer, and integrating sphere. The integrating sphere system is calibrated by standard light source before measurement. The system and standard light source has been calibrated regularly and traceable to the National Primary Standards.

4π geometry was used during measurement. The product was operated in its intended orientation in application and was recorded in this report.

The uncertainty of the light output (luminous flux) measurements is U=2.1% (K=2), at the 95% confidence level. The uncertainty of the correlated color temperature measurements is U=32K (K=2), at the 95% confidence level. The uncertainty of the CRI is U=2.1 (K=2) , at the 95% confidence level.

The uncertainty of power meter AC current U=0.19 % of rdg, AC Voltage U=0.15% of rdg, Power U=0.20%) (K=2), at the 95% confidence level.

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5. Test Result

[Integrating Sphere System]

Total operating time for integrating sphere test: **1.0 hour**

Test orientation: **Downward**

Electrical Measurement

Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
119.99	60.0	0.2153	25.68	0.994

Photometric Measurement

Luminous Flux (lm)	Radiant Flux (W)	Efficacy (lm/W)	CCT (K)	Duv
2235.833	6.998	87.065	5178	2.34E-03

Chromaticity Coordinate

x	y	u	v	u'	v'
0.3406	0.3526	0.2080	0.3230	0.2080	0.4845

Color Rendering Index

Ra
81.8

R1	R2	R3	R4
80	87	91	82
R5	R6	R7	R8
81	81	86	66
R9	R10	R11	R12
3	68	81	61
R13	R14	R15	
82	95	75	

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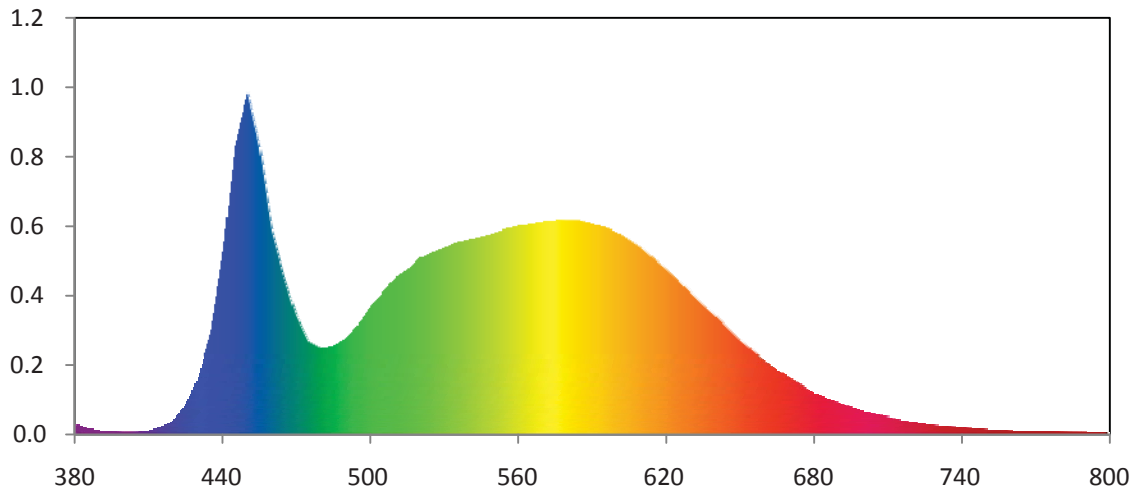
Relative Spectral Power Distribution



nm	mW	nm	mW	nm	mW	nm	mW	nm	mW
380	9.219E-03	465	1.243E-01	550	1.585E-01	635	1.023E-01	720	1.076E-02
385	5.752E-03	470	9.300E-02	555	1.615E-01	640	9.359E-02	725	9.248E-03
390	4.349E-03	475	7.275E-02	560	1.640E-01	645	8.418E-02	730	7.908E-03
395	3.207E-03	480	6.775E-02	565	1.656E-01	650	7.472E-02	735	7.118E-03
400	2.745E-03	485	6.970E-02	570	1.671E-01	655	6.644E-02	740	6.429E-03
405	2.812E-03	490	7.673E-02	575	1.683E-01	660	5.829E-02	745	5.624E-03
410	4.106E-03	495	8.750E-02	580	1.679E-01	665	5.150E-02	750	4.878E-03
415	7.204E-03	500	1.014E-01	585	1.679E-01	670	4.501E-02	755	4.524E-03
420	1.253E-02	505	1.117E-01	590	1.655E-01	675	3.931E-02	760	3.926E-03
425	2.414E-02	510	1.238E-01	595	1.631E-01	680	3.378E-02	765	3.615E-03
430	4.477E-02	515	1.305E-01	600	1.592E-01	685	2.940E-02	770	3.246E-03
435	8.217E-02	520	1.387E-01	605	1.530E-01	690	2.560E-02	775	3.179E-03
440	1.433E-01	525	1.433E-01	610	1.468E-01	695	2.183E-02	780	2.988E-03
445	2.265E-01	530	1.471E-01	615	1.382E-01	700	1.904E-02	785	2.766E-03
450	2.717E-01	535	1.512E-01	620	1.303E-01	705	1.640E-02	790	2.671E-03
455	2.288E-01	540	1.534E-01	625	1.213E-01	710	1.419E-02	795	2.442E-03
460	1.616E-01	545	1.555E-01	630	1.116E-01	715	1.229E-02	800	2.442E-03

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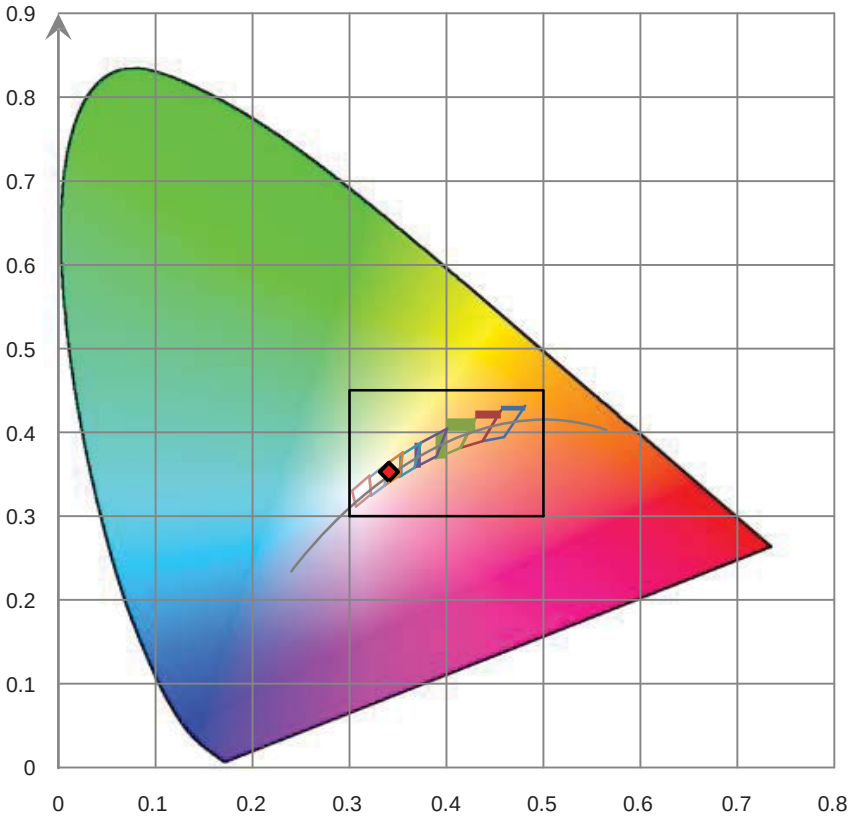
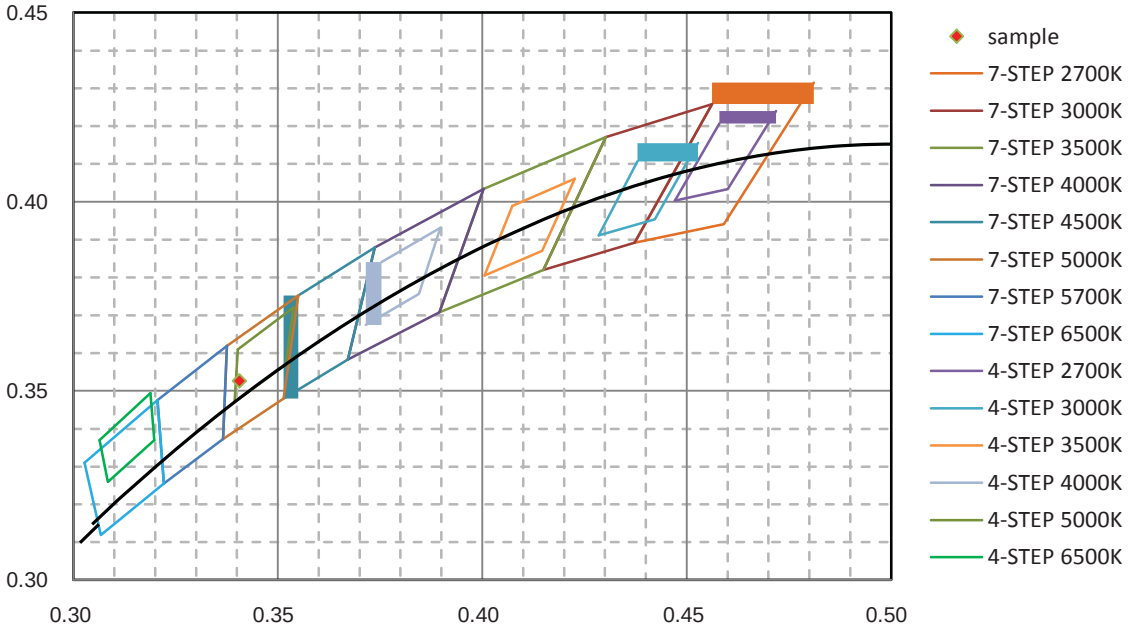
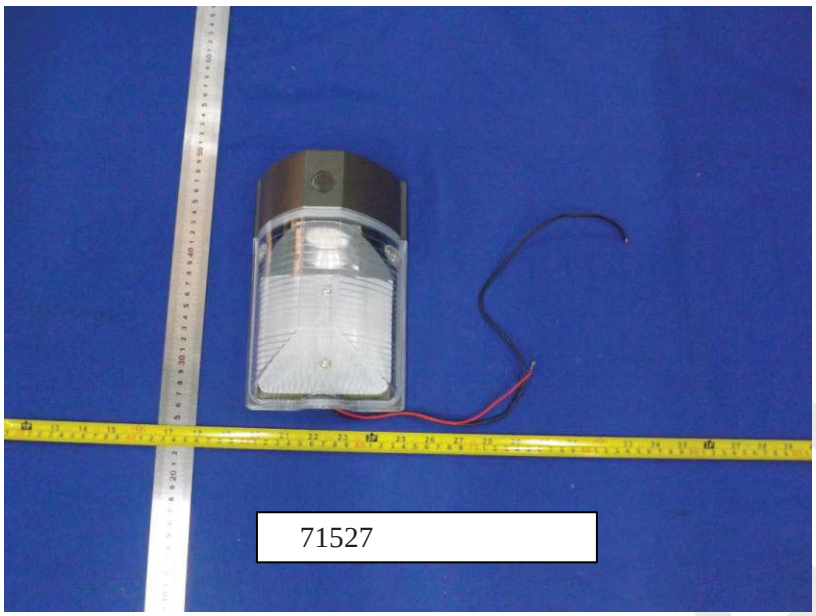
CIE 1931 x y Chromaticity Diagram

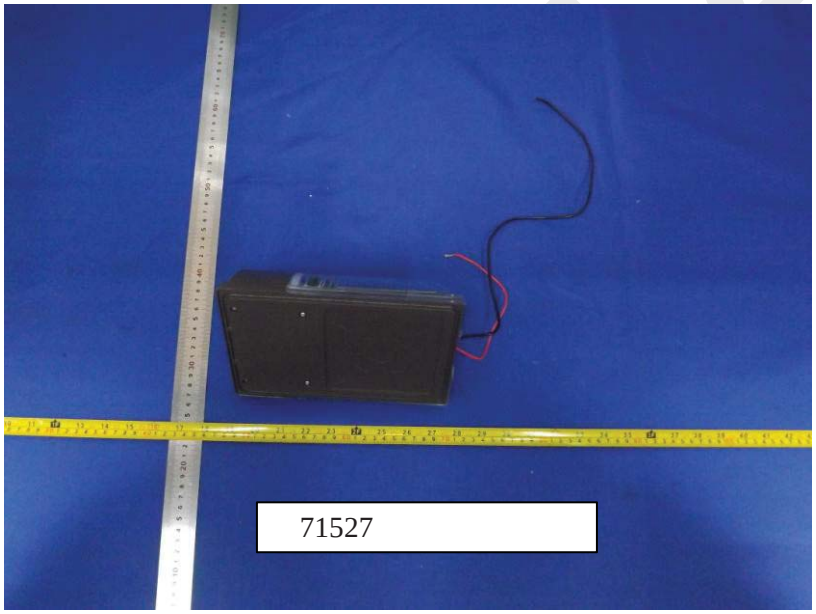


7-Step & 4-Step Chromaticity Quadrangles



6. Product Photo





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