



DOE CALIPER DETAILED TEST REPORT

CALIPER Reference: **10-55 Replacement Lamp (A-lamp)**
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SUMMARY DATA

Test Date 2/8/2011
 Light Source SSL
 Manufacturer Philips
 Catalog Number 12A19/END/800lm/2700/120V/DIMM
 Complete Description Philips EnduraLED

CALIPER RESULTS			MANUFACTURER CLAIMS		
Power	12.5	W	Manufacturer Power	12.0	W
Voltage	120	V AC	Manufacturer Voltage	120	V
Current	0.14	A			
Power Factor	0.75				
Light Output	859	lm	Manufacturer Light Output	800.0	lm
Efficacy	68.7	lm/W	Manufacturer Efficacy	64.0	lm/W
CCT	2718	K	Manufacturer CCT	2700	K
CRI	81		Manufacturer CRI	80	
Duv	-0.001				
CBCP	67	candela	Manufacturer CBCP		candela
Beam Angle		degrees	Manufacturer Beam Angle		degrees
Field Angle		degrees			

ADDITIONAL MANUFACTURER DESCRIPTIONS OF PRODUCT

Manufacturer Life 25,000 hours, 3 year limited warranty
 Manufacturer Equivalency Claim Designed to replace a standard 60W incandescent A19 lamp
 Manufacturer Luminaire Efficiency
 Lamp Description
 Lamp Performance
 Driver-Ballast Description
 Ballast Factor
 Other Manufacturer Claims
 Dimmability Dimmable
 Manufacturer Info Source 1, Date www.philips.com, datasheet, 11/1/2010
 Manufacturer Info Source 2, Date Lighting Facts,
 Manufacturer Info Comment

ADDITIONAL CALIPER PRODUCT DESCRIPTION



Size, Weight, Format
 Purchased From
 Purchase Date
 Purchase Comment

Retailer
 12/17/2010

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SPECTRORADIOMETRY

SPECTRORADIOMETRY TEST REFERENCES

CALiPER Reference	Test References
10-55A	Spectroradiometry conducted by Luminaire Testing Laboratories Inc. (LTL) Testing laboratory reference: 22366, Dated: 2/8/2011 Procedure: IES LM-79-2008, ANSI C78.377-2008, ANSI C82.77, CIE 13.3-1995, CIE 15-2004
10-55B	Spectroradiometry conducted by Luminaire Testing Laboratories Inc. (LTL) Testing laboratory reference: 22368, Dated: 2/8/2011 Procedure: IES LM-79-2008, ANSI C78.377-2008, ANSI C82.77, CIE 13.3-1995, CIE 15-2004

SPECTRORADIOMETRY ELECTRICAL MEASUREMENTS

	Power(W)	Power Factor	Voltage(V)	Current(amps)
10-55A	12.5	0.75	120	0.14
10-55B	12.5	0.75	120	0.14

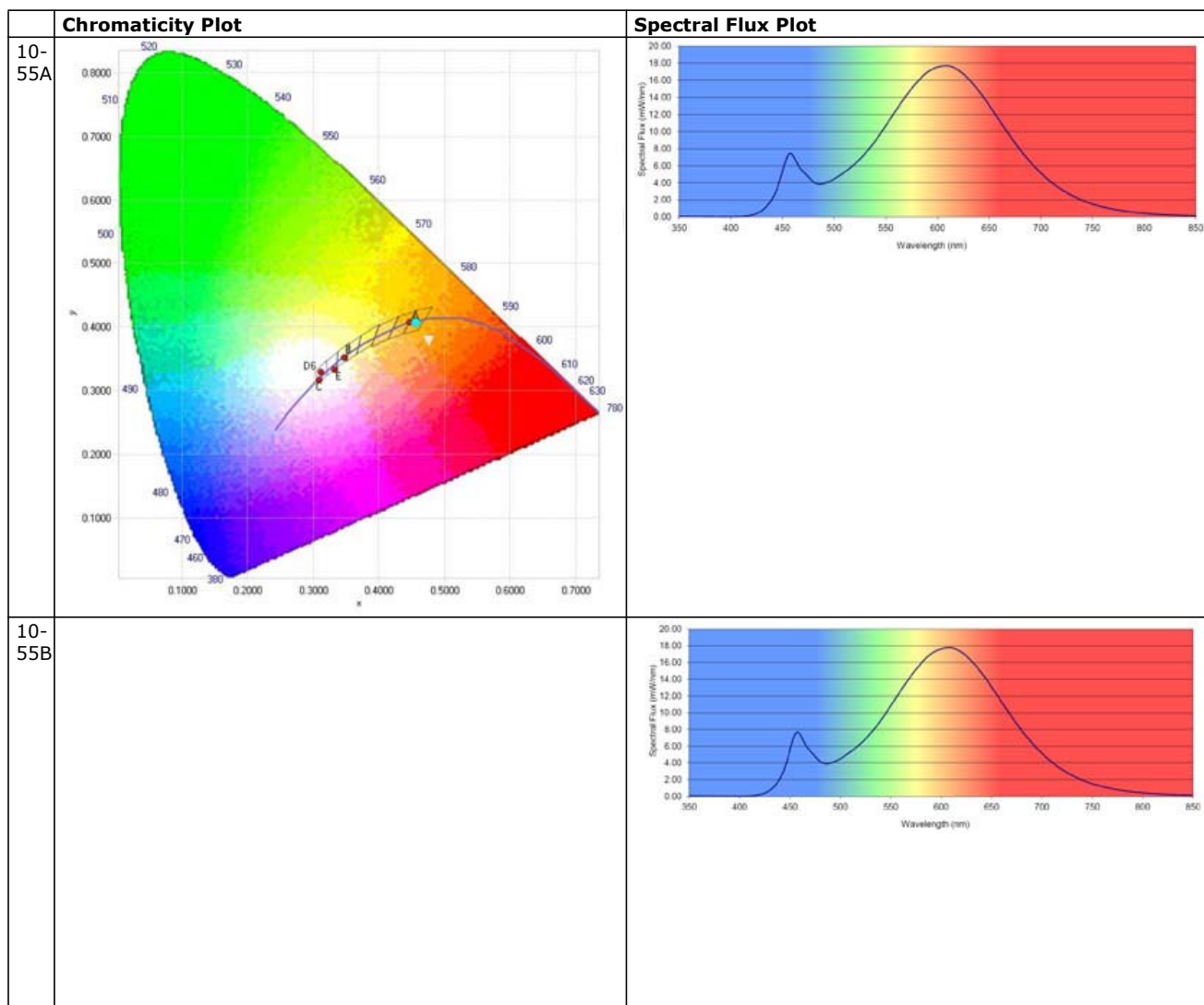
SPECTRORADIOMETRY BASIC PERFORMANCE

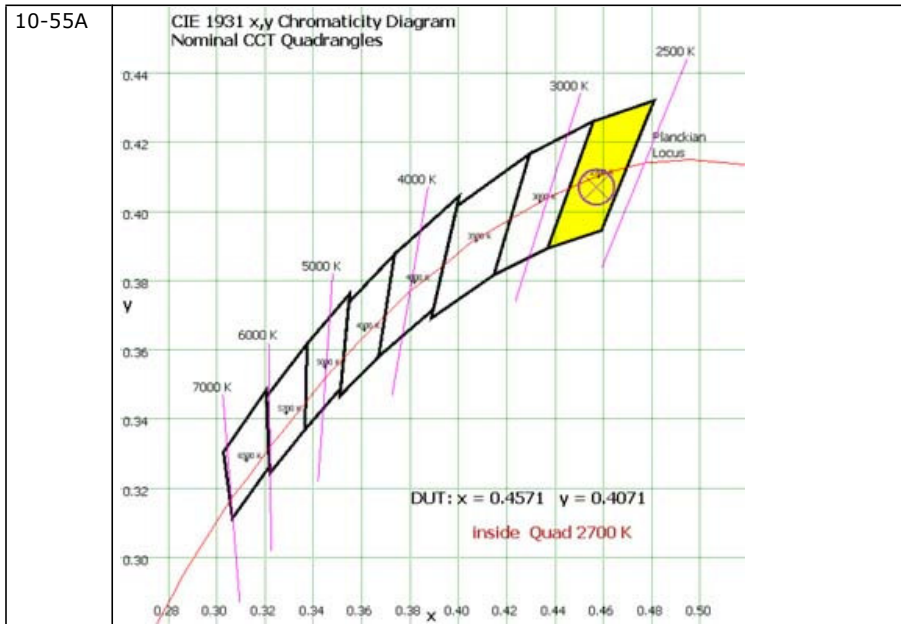
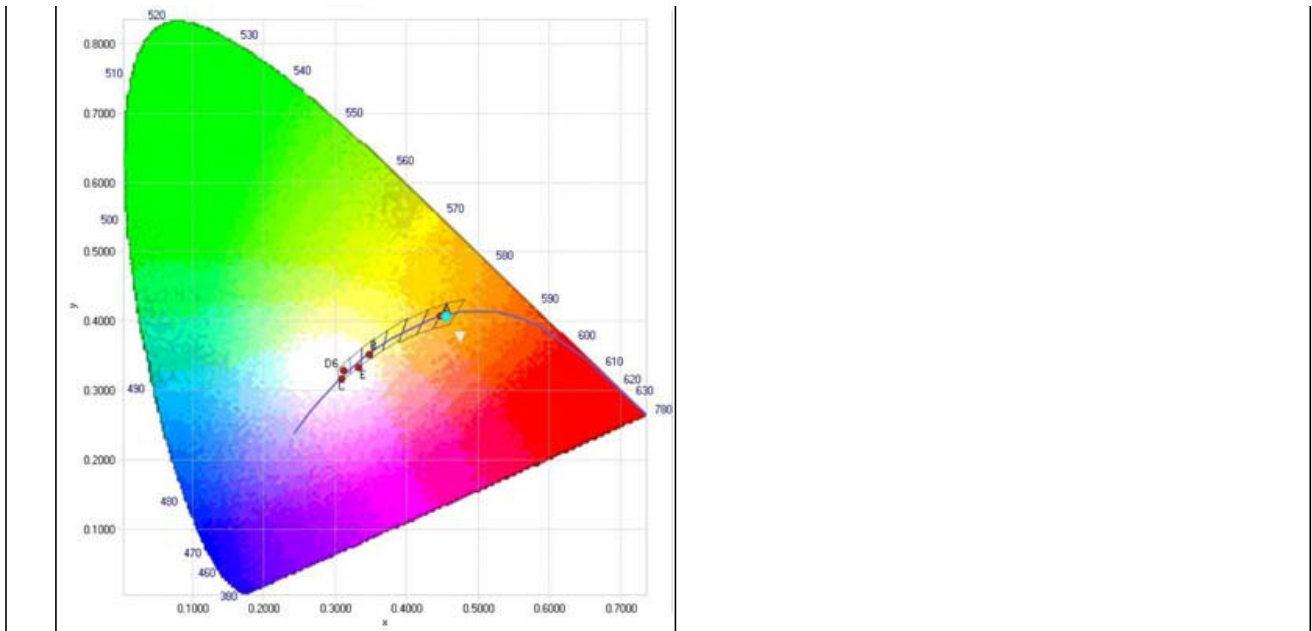
	Total Light Output (lm)	Total Efficacy (lm/W)	Radiant Flux (mW)
10-55A	855.4	68.5	2,867
10-55B	862.5	68.9	2,887

SPECTRORADIOMETRY COLOR CHARACTERISTICS

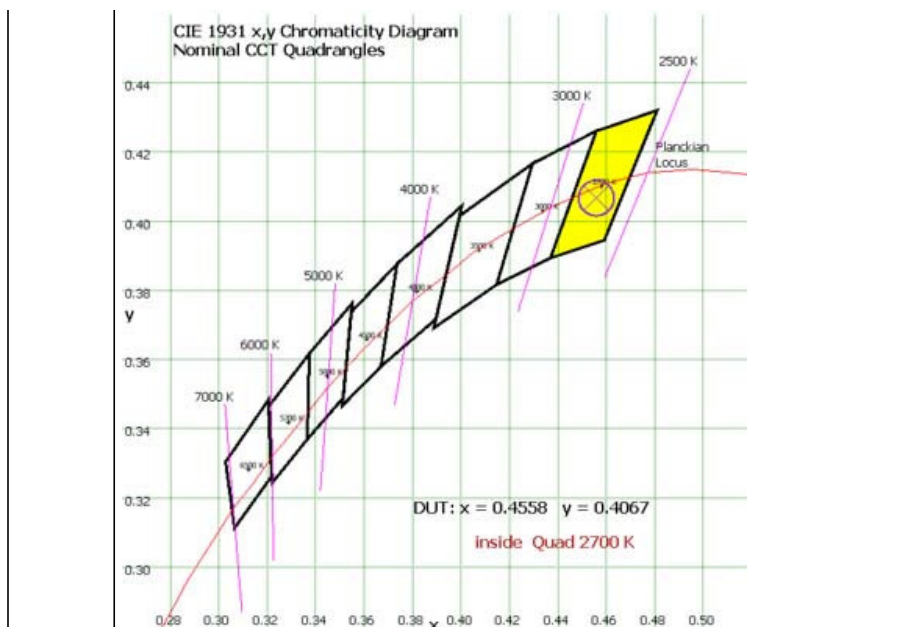
	Correlated Color Temperature CCT (K)	Color Rendering Index CRI Ra	Duv
10-55A	2710	81	-0.001
10-55B	2726	82	-0.001

	Chromaticity Coordinate x	Chromaticity Coordinate y	Chromaticity Coordinate u'	Chromaticity Coordinate v'
10-55A	0.4571	0.4071	0.2623	0.5256
10-55B	0.4558	0.4067	0.2616	0.5252





10-55B



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GONIOPHOTOMETRY

GONIOPHOTOMETRY TEST REFERENCES

CALiPER Reference	Test References
10-55A	Goniophotometry conducted by Luminaire Testing Laboratories Inc. (LTL) Testing laboratory reference: 22365, Dated: 2/9/2011 Procedure: IES LM-79-2008 and ANSI C82.77
10-55B	Goniophotometry conducted by Luminaire Testing Laboratories Inc. (LTL) Testing laboratory reference: 22367, Dated: 2/8/2011 Procedure: IES LM-79-2008 and ANSI C82.77

GONIOPHOTOMETRY ELECTRICAL MEASUREMENTS

	Power(W)	Power Factor	Voltage(V)	Current(amps)
10-55A	12.5	0.75	120	0.14
10-55B	12.5	0.75	120	0.14

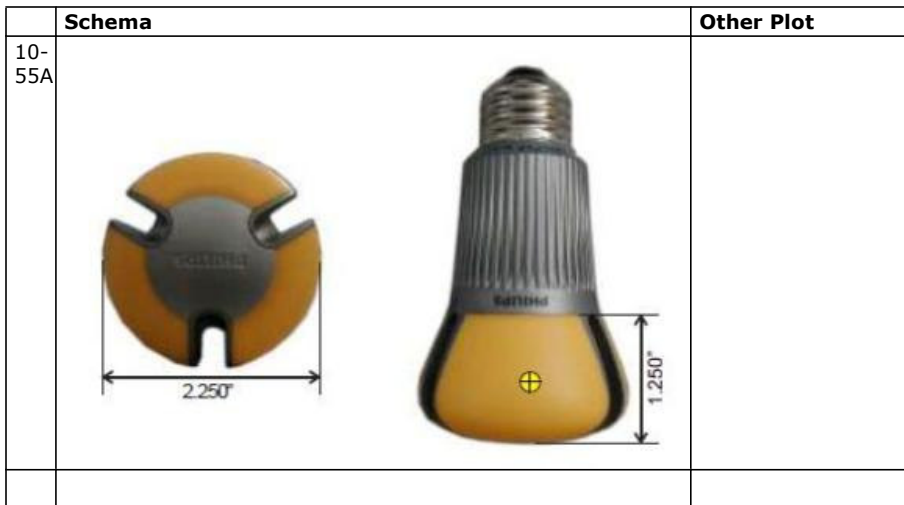
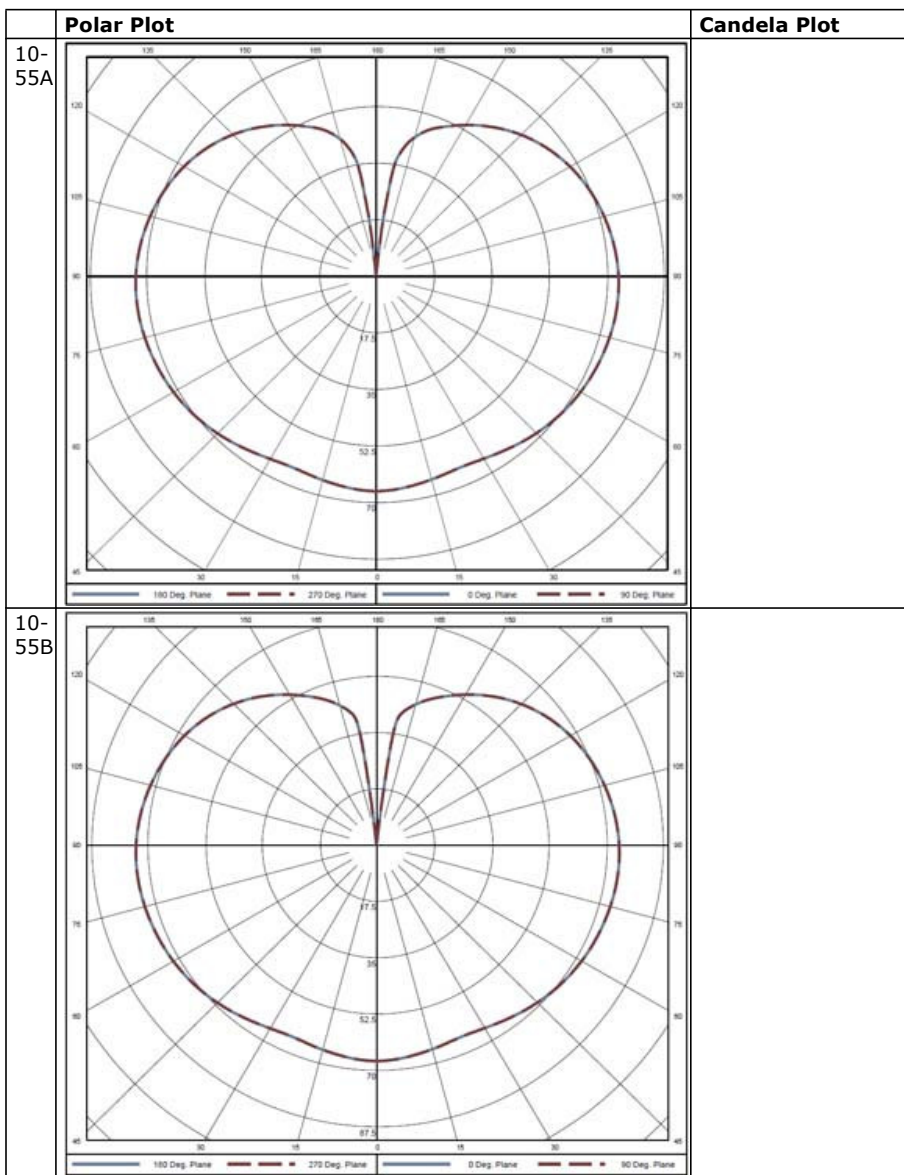
GONIOPHOTOMETRY BASIC PERFORMANCE

	Total Light Output (lm)	Total Efficacy (lm/W)	Maximum Candela (cd)	Center Beam Candlepower-CBCP (cd)	.ies file
10-55A	849.2	68.1	74	67	10-55A.ies
10-55B	853.8	68.3	74	67	10-55B.ies

GONIOPHOTOMETRY DISTRIBUTION CHARACTERISTICS

	Beam Angle 0 degrees	Beam Angle 90 degrees	Field Angle 0 degrees	Field Angle 90 degrees	Spacing Criteria 0 degrees	Spacing Criteria 90 degrees
10-55A					1.5	1.5

10-55B				1.5	1.5
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10- 55B		
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DOE SSL CALiPER results may not be used for commercial purposes under any circumstances;
see "No Commercial Use Policy" (http://www1.eere.energy.gov/buildings/ssl/comm_use.html) for more information.

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