

0hr HOUR RESULTS

	Lp. #	Volts	Amps	Watts	pf (≥.7)	0hr Hr. Lumens	CCT	CRI (≥80)	R9 (>0)	Sph Temp	x Value	y Value	u' Value	v' Value	Duv	7-Step Color Compliance	LPW (>55)
Base Up	P-50378-1	120.0	0.086	9.7	0.941	886	3030	83.5	21.5	24.9	0.4332	0.4000	0.2499	0.5192	-0.0011	PASS	91.0
	P-50378-2	120.0	0.087	9.8	0.941	886	3039	83.2	21.0	25.0	0.4319	0.3982	0.2498	0.5183	-0.0017	PASS	90.6
	P-50378-3	120.0	0.087	9.8	0.941	878	3049	84.1	23.4	25.0	0.4321	0.3999	0.2492	0.5190	-0.0010	PASS	89.5
	P-50378-4	120.0	0.087	9.8	0.940	869	2989	83.7	22.2	25.0	0.4363	0.4015	0.2513	0.5203	-0.0009	PASS	88.8
	P-50378-5	120.0	0.087	9.8	0.941	892	3047	83.4	21.4	25.2	0.4316	0.3987	0.2494	0.5184	-0.0014	PASS	91.1

	Lp. #	Volts	Amps	Watts	pf (≥.7)	0hr Hr. Lumens	CCT	CRI (≥80)	R9 (>0)	Sph Temp	x Value	y Value	u' Value	v' Value	Duv	7-Step Color Compliance	LPW (>55)
Base Down	P-50378-6	120.0	0.088	9.9	0.941	885	3032	83.4	21.3	25.2	0.4333	0.4005	0.2498	0.5194	-0.0009	PASS	89.5
	P-50378-7	120.0	0.087	9.8	0.941	886	3038	83.0	19.8	25.1	0.4331	0.4008	0.2495	0.5195	-0.0008	PASS	90.2
	P-50378-8	120.0	0.087	9.9	0.941	880	3031	83.0	19.9	25.5	0.4335	0.4008	0.2498	0.5196	-0.0008	PASS	89.2
	P-50378-9	120.0	0.086	9.7	0.940	867	3015	83.8	22.5	25.1	0.4344	0.4006	0.2504	0.5196	-0.0010	PASS	89.3
	P-50378-10	120.0	0.087	9.9	0.942	890	3042	83.2	20.7	25.1	0.4321	0.3991	0.2496	0.5187	-0.0013	PASS	90.3
Grand AVG.		119.99	0.0868	9.81	0.941	882	3031	83	21	25.1	0.4332	0.4000	0.2499	0.5192	-0.0011		89.9
Compliance					Complies	TBD	Complies	Complies	Complies						Complies	Complies	Complies

LUMEN & COLOR MAINTENANCE

LIFE TESTING

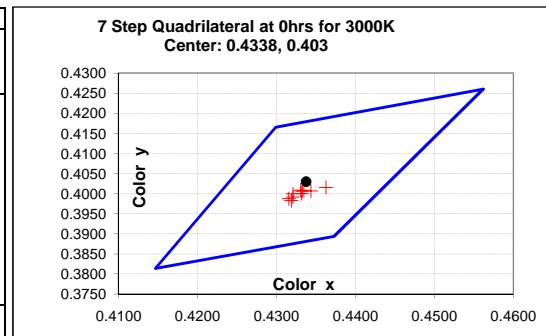
	Date:	N-N													N-N		
	Lp. #	1000 Hr. Lumens	1000 Hr. Lumen Maint.	1000 Hr. u' Color Maint.	1000 Hr. v' Color Maint.	3000 Hr. Lumens	3000 Hr. Lumen Maint.	3000 Hr. u' Color Maint.	3000 Hr. v' Color Maint.	6000 Hr. Lumens	6000 Hr. Lumen Maint.	6000 Hr. u' Color Maint.	6000 Hr. v' Color Maint.	N-N	N-N	Failure before 6000hours	Failure before Rated Life
Base Up	P-50378-1																
	P-50378-2																
	P-50378-3																
	P-50378-4																
	P-50378-5																
Base Down	P-50378-6																
	P-50378-7																
	P-50378-8																
	P-50378-9																
	P-50378-10																
Grand AVG.																	
Compliance		TBD	TBD	TBD		TBD	TBD	TBD		TBD	TBD	TBD		TBD			

Date:	
Lp. #	* Transient Protection PASS/FAIL
T-50378-1	
T-50378-2	
T-50378-3	
T-50378-4	
T-50378-5	
Compliance	TBD

Date:	
Lp. #	* Ballast Freq (≥120 Hz)
N-N	
Compliance	

Date:	
Lp. #	* Noise (dbA)
N-N	

Date:	
Lp. #	Rapid Cycles Endured
R-50378-1	
R-50378-2	
R-50378-3	
R-50378-4	
R-50378-5	
R-50378-6	
R-50378-7	
R-50378-8	
R-50378-9	
R-50378-10	
Compliance	TBD



Technician: Zhu Qingqing

Date: 2013-08-09

Reviewed by: Liao Bingjing

Date: 2013-08-19

* THIS REPORT CONTAINS DATA THAT IS NOT COVERED BY THE NVLAP ACCREDITATION

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TEST REPORT

PO Number:LED0378

Model Number:LED11A19D30K

Light Intensity & Color Distribution Tests

Electrical Characteristics:

LP#	Volt	Ampere	pf	Watts
D-50378-01	120.0	0.0868	0.939	9.8

Zonal Lumen Flux:

γ angle (°)	Φ zonal(lm)	Φ Cumulative(lm)	% Cumulative Lumen
0-5	3	2.5	0.3%
5-10	8	10.0	1.1%
10-15	12	22.4	2.5%
15-20	17	39.7	4.4%
20-25	22	61.7	6.9%
25-30	26	88.1	9.9%
30-35	31	118.8	13.3%
35-40	35	153.3	17.2%
40-45	38	191.3	21.4%
45-50	41	232.3	26.0%
50-55	43	275.6	30.9%
55-60	45	320.8	35.9%
60-65	46	367.2	41.1%
65-70	47	414.1	46.4%
70-75	47	460.9	51.6%
75-80	46	507.0	56.8%
80-85	45	551.9	61.8%
85-90	43	594.9	66.6%
90-95	41	635.6	71.2%
95-100	38	673.7	75.5%
100-105	35	708.8	79.4%
105-110	32	740.7	83.0%
110-115	29	769.3	86.2%
115-120	25	794.4	89.0%
120-125	22	816.1	91.4%
125-130	18	834.5	93.5%
130-135	15	849.8	95.2%
135-140	12	862.2	96.6%
140-145	10	871.9	97.7%
145-150	7	879.3	98.5%
150-155	5	884.7	99.1%
155-160	4	888.4	99.5%
160-165	2	890.9	99.8%
165-170	1	892.2	100.0%
170-175	0	892.6	100.0%
175-180	0	892.6	100.0%

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TEST REPORT

PO Number:LED0378

Model Number:LED11A19D30K

Light Intensity & Color Distribution Tests

Light Intensity Distribution Data Table (Type C)

LP#:D-50378-01

γ Angle (°)	C Planes																																						
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350			
0	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	
5	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
10	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
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20	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
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55	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
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70	92	93	93	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
75	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
80	85	86	86	86	86	86	86	86	85	86	85	86	86	86	86	86	86	86	86	85	84	84	83	83	82	82	82	82	82	82	82	82	83	83	84	84	85	85	
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120	49	50	50	50	50	50	50	50	50	50	50	50	50	51	51	51	50	50	50	50	49	49	48	48	48	48	47	47	47	48	48	48	49	49	49	49			
125	45	45	45	45	45	45	45	45	45	45	46	46	46	46	46	46	46	46	45	45	44	44	44	44	43	43	43	43	43	43	43	44	44	44	45	45	45		
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170	9	9	9	9	9	9	9	9	9	10	9	10	9	9	9	9	9	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
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180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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TEST REPORT

PO Number:LED0378

Model Number:LED11A19D30K

Light Intensity & Color Distribution Tests

Ominidirectional Lamps

Test Results:

Maximum difference in Luminous Intensity for the entire 0° to 135° Zone (vertically axially symmetrical)

The mean luminous intensity for the entire 0° to 135° zone(cd):

Maximum difference in luminous Intensity for the entire 0° to 135° Zone:

Energy Star Integral LED lamps Specification V1.4:**Shall not differ from the mean luminous intensity for the entire 0° to 135° zone by more than 20%.**

Complies / Does not comply:

Luminous flux % within the 135° to 180° zone of total luminous flux (vertically axially symmetrical)

Luminous flux within the 135° to 180° Zone-Φ1(lumens):

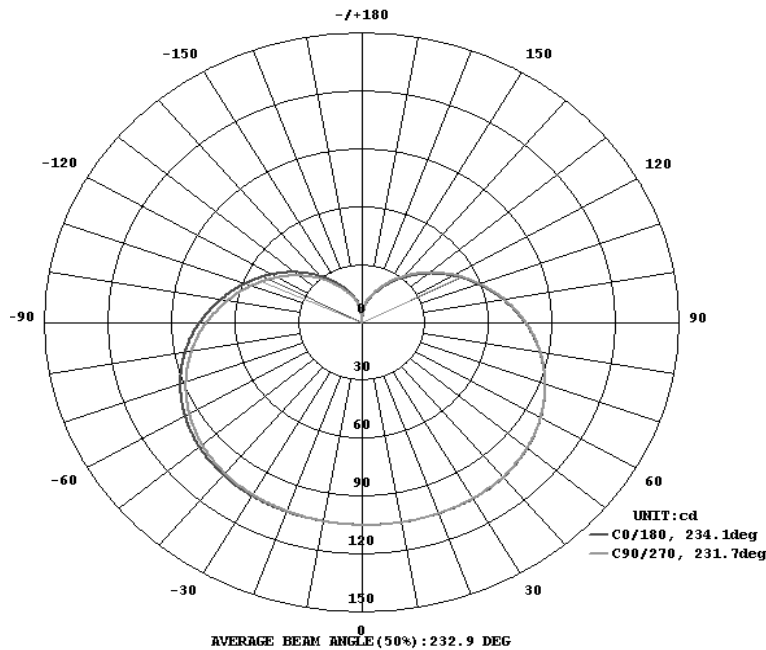
Total luminous flux-Φ(lumens):

Luminous flux % within the 135° to 180° zone of total luminous flux-Φ1/Φ(%):

Energy Star Integral LED lamps Specification V1.4:**At least 5% of total flux (lumens) must be emitted in the 135°-180° zone**

Complies/ Does not Comply:

Light Distribution Polar Diagram:



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