

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 (>50)
Base Up	P-50377-1	120.0	0.061	6.5	0.885	543	3039	83.1	20.4	25.2	0.4331	0.4009	0.2495	0.5196	-0.0007	PASS	83.4
	P-50377-2	120.0	0.061	6.5	0.884	529	3112	83.8	22.8	25.0	0.4273	0.3972	0.2473	0.5172	-0.0014	PASS	82.0
	P-50377-3	120.0	0.062	6.6	0.883	544	3082	83.8	22.9	24.9	0.4290	0.3971	0.2484	0.5174	-0.0017	PASS	82.9
	P-50377-4	120.0	0.062	6.6	0.885	530	3084	83.3	21.2	24.9	0.4294	0.3984	0.2481	0.5180	-0.0012	PASS	80.7
	P-50377-5	120.0	0.061	6.5	0.883	540	3034	82.5	18.3	24.9	0.4342	0.4026	0.2494	0.5204	-0.0002	PASS	83.4

	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 (>50)
Base Down	P-50377-6	120.0	0.061	6.5	0.884	551	3046	82.4	18.2	24.9	0.4333	0.4021	0.2491	0.5201	-0.0003	PASS	84.5
	P-50377-7	120.0	0.062	6.6	0.884	546	3040	82.7	19.2	24.8	0.4330	0.4007	0.2495	0.5195	-0.0008	PASS	83.1
	P-50377-8	120.0	0.061	6.5	0.884	525	3080	83.2	20.9	24.9	0.4296	0.3984	0.2483	0.5180	-0.0012	PASS	81.0
	P-50377-9	120.0	0.061	6.5	0.887	540	3032	82.7	19.0	24.9	0.4343	0.4025	0.2495	0.5204	-0.0003	PASS	83.1
	P-50377-10	120.0	0.061	6.5	0.886	537	3035	82.8	19.5	24.9	0.4329	0.3999	0.2498	0.5191	-0.0011	PASS	83.1
Grand AVG.	119.99	0.0613	6.51	0.884	538	3058	83	20	24.9	0.4316	0.4000	0.2489	0.5190	-0.0009		82.7	
Compliance					Complies	TBD	Complies	Complies	Complies						Complies	Complies	Complies

LUMEN & COLOR MAINTENANCE

LIFE TESTING

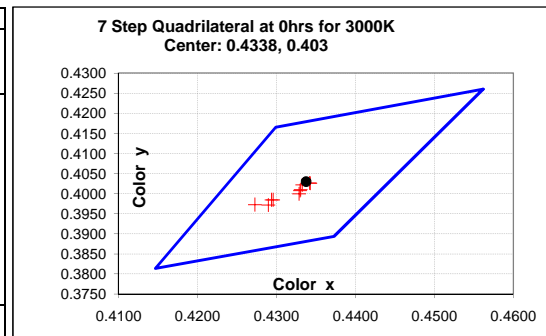
Date:		N-N												N-N		N-N		N-N	
	Lp. #	1000 Hr. Lumens	1000 Hr. Lumen Maint.	1000 Hr. u' Color Maint.	1000 Hr. v' Color Maint.	3000 Hr. Lumens	3000 Hr. Lumen Maint.	3000 Hr. u' Color Maint.	3000 Hr. v' Color Maint.	6000 Hr. Lumens	6000 Hr. Lumen Maint.	6000 Hr. u' Color Maint.	6000 Hr. v' Color Maint.	N-N	N-N	Failure before 6000hours	Failure before Rated Life		
Base Up	P-50377-1																		
	P-50377-2																		
	P-50377-3																		
	P-50377-4																		
	P-50377-5																		
Base Down	P-50377-6																		
	P-50377-7																		
	P-50377-8																		
	P-50377-9																		
	P-50377-10																		
Grand AVG.																			
Compliance		TBD	TBD	TBD		TBD	TBD	TBD		TBD	TBD	TBD		TBD					

Date:	
Lp. #	* Transient Protection PASS/FAIL
T-50377-1	
T-50377-2	
T-50377-3	
T-50377-4	
T-50377-5	
Compliance	TBD

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

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

Date:	
Lp. #	Rapid Cycles Endured
R-50377-1	
R-50377-2	
R-50377-3	
R-50377-4	
R-50377-5	
R-50377-6	
R-50377-7	
R-50377-8	
R-50377-9	
R-50377-10	
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:LED0377

Model Number:LED7A19D30K

Light Intensity & Color Distribution Tests

Electrical Characteristics:

LP#	Volt	Ampere	pf	Watts
D-50377-01	120.0	0.0618	0.879	6.5

Zonal Lumen Flux:

γ angle (°)	Φ zonal(lm)	Φ Cumulative(lm)	% Cumulative Lumen
0-5	2	1.6	0.3%
5-10	5	6.3	1.1%
10-15	8	14.0	2.5%
15-20	11	24.8	4.5%
20-25	14	38.4	6.9%
25-30	16	54.7	9.9%
30-35	19	73.6	13.3%
35-40	21	94.9	17.1%
40-45	23	118.2	21.4%
45-50	25	143.3	25.9%
50-55	27	169.8	30.7%
55-60	28	197.4	35.7%
60-65	28	225.7	40.8%
65-70	29	254.3	46.0%
70-75	29	282.9	51.1%
75-80	28	311.1	56.2%
80-85	27	338.5	61.2%
85-90	26	364.8	65.9%
90-95	25	389.8	70.5%
95-100	23	413.3	74.7%
100-105	22	434.9	78.6%
105-110	20	454.7	82.2%
110-115	18	472.5	85.4%
115-120	16	488.3	88.3%
120-125	14	502.1	90.7%
125-130	12	513.9	92.9%
130-135	10	523.8	94.7%
135-140	8	531.9	96.1%
140-145	7	538.4	97.3%
145-150	5	543.5	98.2%
150-155	4	547.3	98.9%
155-160	3	550.1	99.4%
160-165	2	552.0	99.8%
165-170	1	553.1	100.0%
170-175	0	553.3	100.0%
175-180	0	553.3	100.0%

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TEST REPORT

PO Number:LED0377

Model Number:LED7A19D30K

Light Intensity & Color Distribution Tests

Light Intensity Distribution Data Table (Type C)

LP#:D-50377-01

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	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66			
5	65	65	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	65	65	65	65	65	65	65		
10	65	65	65	65	65	65	65	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
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25	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
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135	23	23	23	23	23	24	24	24	24	24	24	24	24	23	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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TEST REPORT

PO Number:LED0377

Model Number:LED7A19D30K

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):

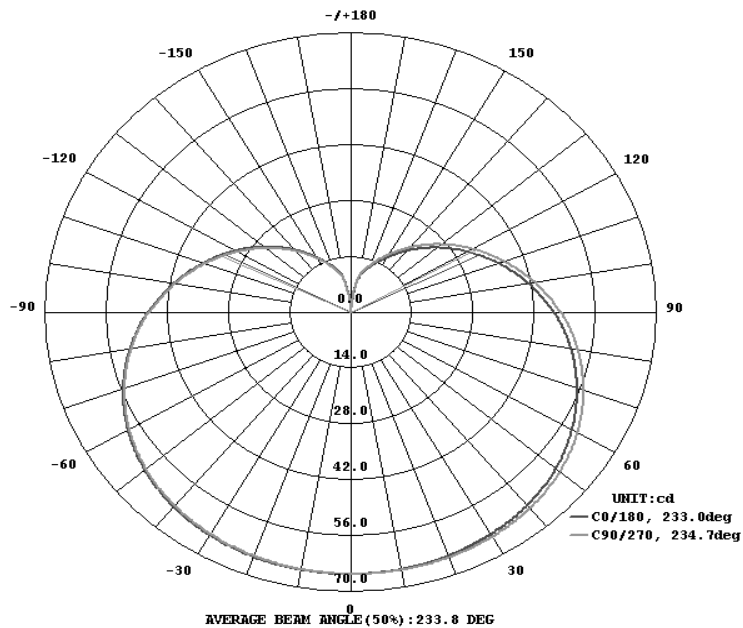
Total luminous flux-Φ(lumens):

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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