

NPTC LED Lighting Demonstration Trials, North Alabama, 2012-13

26-Jan-13

Farm	House	Brand	Bulb Type	Watts	°Kelvin	Warr Yrs	Retail Cost	Cost / Warr Year	Mean fc @ Feed Line - Full Intens	Low fc In Grid @ Full	High fc In Grid @ Full	Mean fc In Grid	Grid Uniformity Index*	Notes
SH	3	VisuaLED	A19	8.0	3,500	3	\$25	\$8.33	1.51	0.33	2.07	0.97	46.8	
SH	12	Greenlite	A19	8.0	3,000	3	\$20	\$6.67	1.28	0.28	1.87	0.85	47.3	
SH	11	Overdrive	A19	8.0	3,000	5	\$16	\$3.20	1.29	0.11	1.70	0.85	50.1	
SH	8	Overdrive	PAR30	11.0	3,000	5	\$26	\$5.20	2.38	0.47	3.46	1.54	50.2	
SH	5	Overdrive	A19	8.0	5,000	5	\$16	\$3.20	1.92	0.45	2.88	1.25	50.8	
SH	10	Once Innov	Hybrid	12.0	4,000	3	\$40	\$13.33	1.58	0.17	2.31	0.90	62.1	Incand Required
SH	1	LumaVue	PAR38	7.5	5,000	3	\$40	\$13.33	1.74	0.19	2.62	1.05	62.5	
SH	2	NextGen	PAR30	10.0	3,500	3	\$40	\$13.33	2.62	0.12	2.38	0.85	69.5	Incand Required
SH	4	Unilight	PAR30	8.0	4,000	3	\$27	\$9.00	3.56	0.39	5.89	1.92	74.0	
SH	7	Overdrive	PAR38	10.0	3,500	5	\$31	\$6.20	4.05	0.38	6.37	2.07	77.0	
SH	6	Overdrive	PAR30	7.5	3,500	5	\$26	\$5.20	2.84	0.32	4.81	1.43	79.2	
SH	9	Unilight	PAR38	10.0	4,500	3	\$31	\$10.33	5.50	0.32	8.80	2.71	82.2	

KA	2	StarFire	Hybrid	12.0	5,500	3	\$29	\$9.67	2.27	0.76	2.92	1.72	35.0	Dim Prob & Incand Req
KA	3	Lowe's	A19	8.0	3,000	2	\$10	\$5.00	1.58	0.46	1.99	1.14	38.8	
KA	1	NewLume	Hybrid	12.0	5,500	3	\$29	\$9.67	2.06	0.64	2.79	1.60	42.0	Incand Required
KA	4	LumaVue	PAR38	7.5	5,000	3	\$40	\$13.33	1.70	0.38	2.45	1.21	48.8	

TD	1	Verbatim	A19	8.0	3,000	5	\$16	\$3.20	1.50	0.31	1.93	0.96	46.6	
TD	2	Selco	PAR30	8.0	5,000	3	\$30	\$10.00	2.56	0.31	3.57	1.51	61.4	

* 25-Spot Grid Via ASABE Methodology. Lower Values Denote Improved Lighting Uniformity.