Date: 26-Apr-13 *Time:* 8:45 PM - 10:15 PM EST

Purpose: **Testing illumination level of PFL 400 unit versus Traditional Flood Light 1000 W**

Equipment: Prism Flood Light with 400 W metal halide lamp - 4 (PFL 400)
Traditional Flood Light with 1000W metal halide lamp - 4
Terex Amida Mobile Tower light rented from Sunbelt Rentals
Lux Meter

Process: Installed PFL 400 x 4 flood light fixtures with CG box and 400 W metal halide lamp
All 4 PFL 400 units were in a straight line facing in one direction
Kept the mast at 13 feet height from ground level
Turned the generator ON the Terex mobile tower
Turned the flood light ON
Waited for 4 minutes for full illumination
Lux meter 4 feet high with sensor facing the light tower perpendicular to the ground
Lux Level was measured at various distances per the chart below
Repeat the same steps after installing the traditional flood light fixtures 4 x 1000W

11' 4" from the first measurement
11' 4" from the second measurement
And so on ---

Prism Flood Light - 4 x 400 W		Traditional Flood Light - 4 x1000 W	
Distance from mast(Feet.Inches)	Illumination(Lux)	Distance from mast(Feet.Inches)	Illumination(Lux)
15	3350	15	2690
26.4	1550	26.4	2140
37.8	512	37.8	1449
49.2	251	49.2	985
60.6	143	60.6	716
72	97	72	535
8314	67	83.4	412
94.8	50	94.8	322
106.2	38	106.2	256
117.6	31	117.6	210
129	25	129	176
140.4	21	140.4	151
151.8	18	151.8	133
163.2	16	163.2	116
174.6	14	174.6	101
186	11	186	89
197.4	10	197.4	81
208.8	9	208.8	73
220.2	8	220.2	65
231.6	7	231.6	59
243	6	243	54
254.4	6	254.4	51
265.8	5	265.8	48

Lux Level Measurement at Angular Distance