



## Field 1

Eight 3-rows (18 heads, 6 heads per row) poles.

For the outer field poles (poles with red circles), the top two rows are mounted with GLDL-B-300W-5N-5000K, and the bottom row are mounted with GLDL-S-300W-3M-5000K.

For the inner field poles (poles with blue circles), the top two rows are mounted with GLDL-B-360W-5N-5000K, and the bottom row are mounted with GLDL-S-360W-3M-5000K.

Two extra 4 head poles are required as well (poles with orange circles), mounted with GLDL-B-360W-5N-5000K. Mounting height is 60'. LLF = 0.9.

Fixtures on 4 head poles are tilted by 60 degree and separated by 30 degrees apart between each other. Please refer to Appendix for further details of the 18-heads pole.

### Field 1-infield

Illuminance (Fc)

Average=50.42 Maximum=77.4 Minimum=26.9 Avg/Min=1.87 Max/Min=2.88

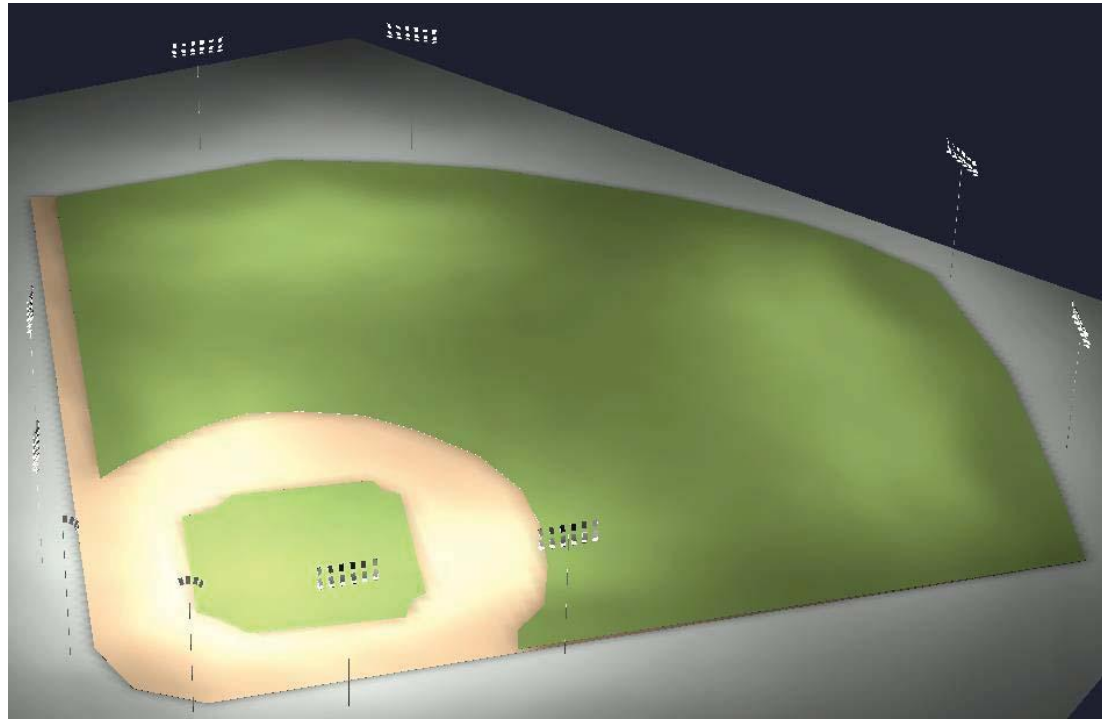
### Field 1-outfield

Illuminance (Fc)

Average=22.78 Maximum=45.8 Minimum=7.0 Avg/Min=3.25 Max/Min=6.54



Field 1 calculation result



Field 1 rendering result

#### Field 4

Six 3-rows (18 heads, 6 heads per row) poles. For the outer field poles (poles with red circles), the top two rows are mounted with GLDL-B-300W-5N-5000K, and the bottom row are mounted with GLDL-S-300W-3M-5000K.

For the inner field poles (poles with blue circles), the top two rows are mounted with GLDL-B-360W-5N-5000K, and the bottom row are mounted with GLDL-S-360W-3M-5000K.

Please refer to Appendix for further details of the 18-heads pole. Mounting height is 60'. LLF = 0.9

#### Field 4-infield

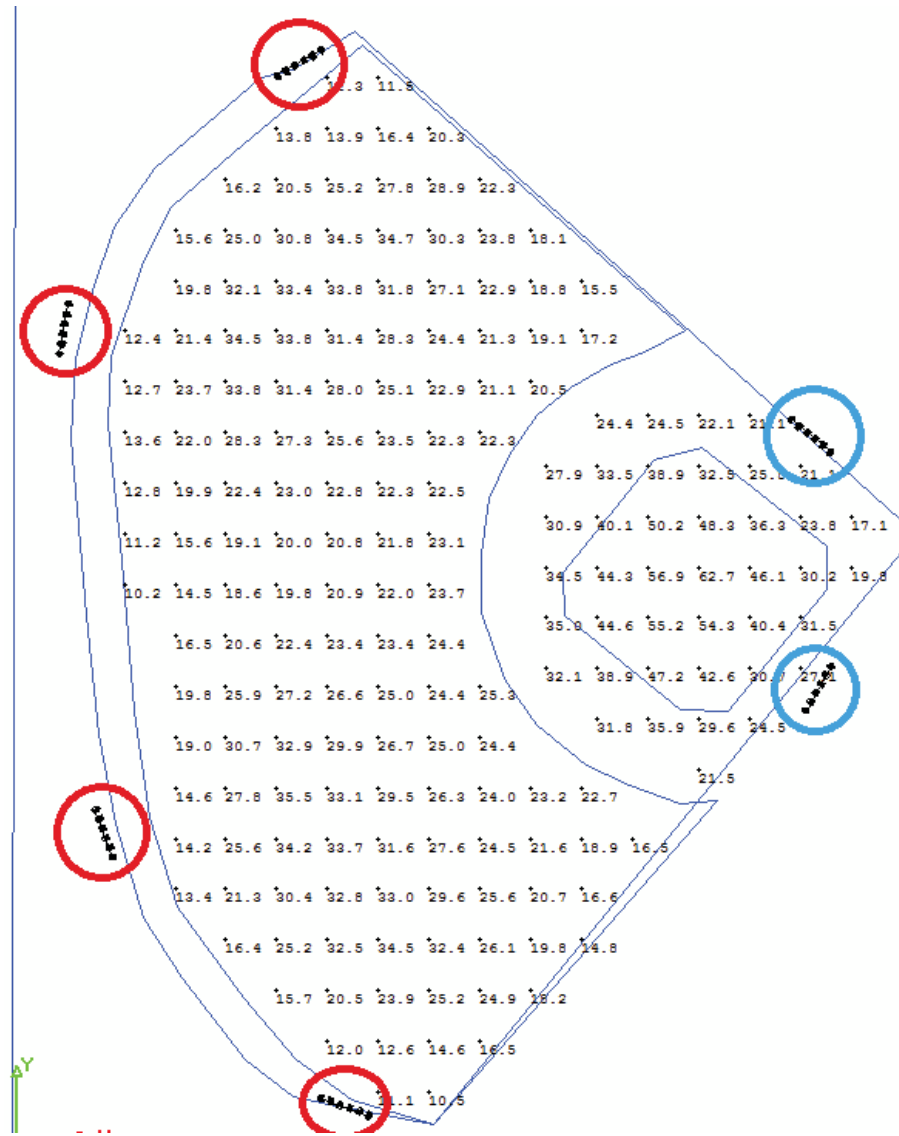
Illuminance (Fc)

Average=35.02 Maximum=62.7 Minimum=17.1 Avg/Min=2.05 Max/Min=3.67

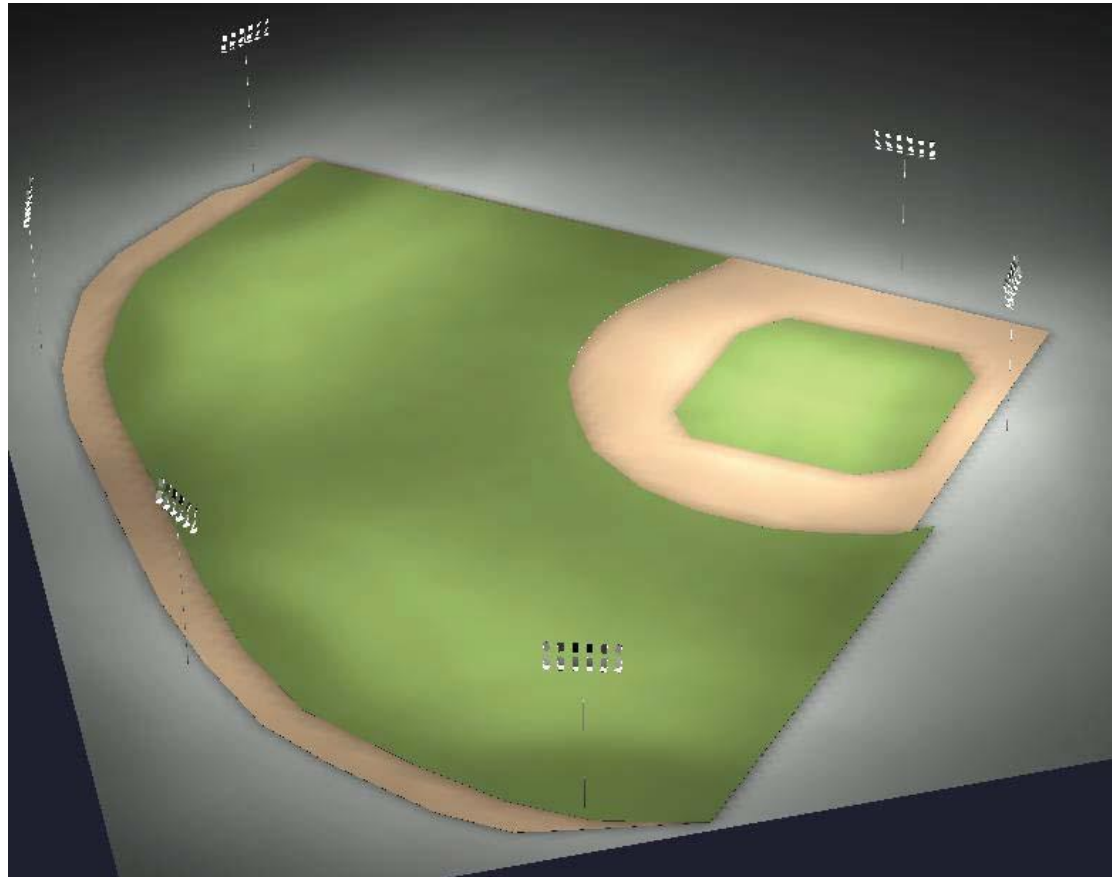
#### Field 4-outfield

Illuminance (Fc)

Average=23.04 Maximum=35.5 Minimum=10.2 Avg/Min=2.26 Max/Min=3.48



Field 4 Calculation result



Field 4 rendering result

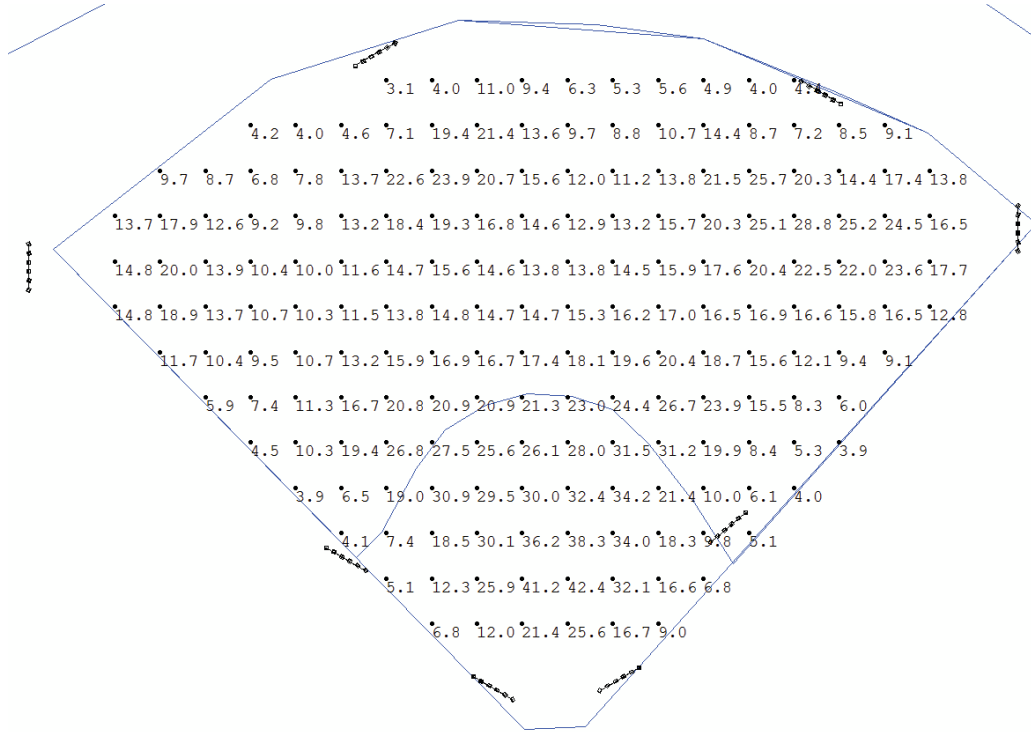
### Field 5

Eight 6-head poles with GLDL-B-300W-5N-5000K fixtures on each pole. The tilt angles are 60 degrees for all of them, and the orient are 30, 15, 0, 0, -15, -30 degrees from one end to the other end. The mounting height is 50 feet. LLF = 0.9.

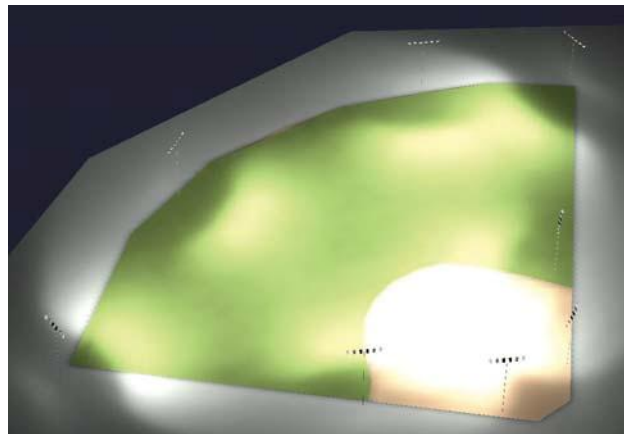
### Field5

Illuminance (Fc)

Average=15.80 Maximum=42.4 Minimum=3.1 Avg/Min=5.10 Max/Min=13.68



Field 5 calculation result



Field 5 rendering result

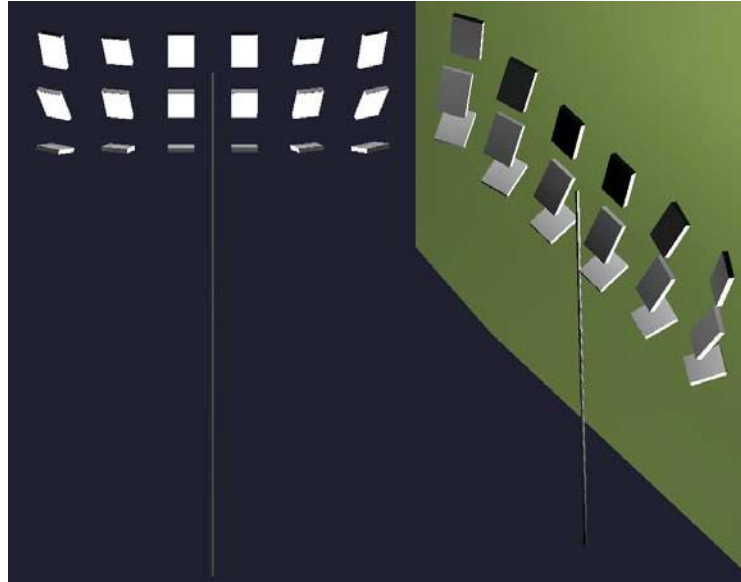
## Appendix

Top row: the tilt degrees are 75, 60, 75, 75, 60, 75 degrees respectively from one end to another end.

Middle row: the tilt degrees are all 60 degrees.

Bottom row: the tilt degrees are 15 degrees.

Fixture orientation for each row: 30, 15, 0, 0, -15, -30 degrees respectively.



18 head combined view (on one pole)