# Commercial Lumen Calculation Sheet

"Inspiring a Vibrant Community"

Project:_____ Date:_____

Site Address:_____

Project Coordinator:_____ Phone:_____

Cottonwood Zoning Ordinance (Sec. 408), "Outdoor Lighting Code" **The information below is accurate (to be signed by Project Coordinator)**: _____

## PLEASE ATTACH THE FOLLOWING:

- Photometric data sheets or manufacturer's product description for all "**S**" type (shielded) fixture combinations showing photometric description to verify upward light control characteristics, All other fixtures will be considered unshielded, or "**U**" class luminaries. Mercury vapor lamps are prohibited.
- Site plan indicating placement of each fixture.

SITE ACREAGE = _____

LESS ACRES FOR

RIGHTS-OF-WAY-_____

**NET ACRES=**_____

**SITE MAXIMUM FOR UNSHEILDED LUMEN** X 5,000 = _____

**SITE MAXIMUM FOR ALL LUMEN** X 100,000 = _____

## LIGHTING INVENTORY

List information below for each fixture to be used for outdoor illumination (existing and proposed). Use the following Abbreviations:

| **Lamp Type:** | **Shielding Type:** |
|---|---|
| **LPS** Low Press Sodium | **S** Shielded |
| **HPS** High Press Sodium | **U** Unshielded |
| **MH** Metal Halide | See "Definitions under Sec. 408 for clarification regarding shielding. |
| **HL** Halogen | |
| **IN** Incandecent | |
| **FL** Fluorescent | |

| FIXTURE REFERENCE NUMBER (from attached site plan) AND USE/PURPOSE | | CANOPY SIZE (if applicable)* | LAMP TYPE & SHIELDING | | WATTS | CORRELATED COLOR TEMPATURE (CCT)/ KELVINS (3000K OR LESS) | INITIAL LUMEN (see reverse) | QTY. UNITS | **SUB-TOTALS** **S** LUMEN | **U** LUMEN | **TOTALS*** |
|---|---|---|---|---|---|---|---|---|---|---|---|
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**GRAND TOTALS** NOT TO EXCEED SITE MAXIMUMS ABOVE.

## Staff Review

**Approved By:**
**Date:**
**Sheet_____of____**

*__Gas St. Canopies:__ All fixtures to be flush mounted. Lumen SUBTOTALS not to exceed 40 lumen/sq.ft. Lumen TOTALS to be divided by 2 (count only 50%)

**Ball fields and outdoor display areas which exceed 100,000 lumen per acre:** I hereby certify that lighting associated with related facilities described above is no greater than minimum luminance levels for the activity recommended by the IESNA.

_____ _____

Signature of Lighting Engineer Arizona Registrant's No.