



## IES FLOOD REPORT

PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] ITL84233

[TESTLAB] INDEPENDENT TESTING LABORATORIES, INC.

[TESTDATE] 02/17/15

[ISSUEDATE] 6/17/2020

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] WLEC\_single\_lamp

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED

[SEARCH\_SOURCETYPE] LED

[SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 4 H x 4 V       |
| Maximum Candela              | 436             |
| Maximum Candela Angle        | 0H 0V           |
| Horizontal Beam Angle (50%)  | 32.8            |
| Vertical Beam Angle (50%)    | 32.8            |
| Horizontal Field Angle (10%) | 67.7            |
| Vertical Field Angle (10%)   | 67.7            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 81              |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 161             |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 58              |
| Luminaire Lumens             | 219             |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 3.6             |
| Ballast Factor               | 1.00            |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**AXIAL CANDELA**

| DEG.  | HOR. | DEG.  | VERT. |
|-------|------|-------|-------|
| 90    | 0    | 90    | 0     |
| 87.5  | 0    | 87.5  | 0     |
| 85    | 1    | 85    | 1     |
| 82.5  | 1    | 82.5  | 1     |
| 80    | 2    | 80    | 2     |
| 77.5  | 3    | 77.5  | 3     |
| 75    | 4    | 75    | 4     |
| 72.5  | 6    | 72.5  | 6     |
| 70    | 8    | 70    | 8     |
| 67.5  | 10   | 67.5  | 10    |
| 65    | 11   | 65    | 11    |
| 62.5  | 12   | 62.5  | 12    |
| 60    | 12   | 60    | 12    |
| 57.5  | 13   | 57.5  | 13    |
| 55    | 14   | 55    | 14    |
| 52.5  | 15   | 52.5  | 15    |
| 50    | 16   | 50    | 16    |
| 47.5  | 17   | 47.5  | 17    |
| 45    | 19   | 45    | 19    |
| 42.5  | 22   | 42.5  | 22    |
| 40    | 26   | 40    | 26    |
| 37.5  | 31   | 37.5  | 31    |
| 35    | 39   | 35    | 39    |
| 32.5  | 49   | 32.5  | 49    |
| 30    | 62   | 30    | 62    |
| 27.5  | 79   | 27.5  | 79    |
| 25    | 101  | 25    | 101   |
| 22.5  | 128  | 22.5  | 128   |
| 20    | 161  | 20    | 161   |
| 17.5  | 199  | 17.5  | 199   |
| 15    | 242  | 15    | 242   |
| 12.5  | 288  | 12.5  | 288   |
| 10    | 333  | 10    | 333   |
| 7.5   | 374  | 7.5   | 374   |
| 5     | 406  | 5     | 406   |
| 2.5   | 428  | 2.5   | 428   |
| 0     | 436  | 0     | 436   |
| -2.5  | 428  | -2.5  | 428   |
| -5    | 406  | -5    | 406   |
| -7.5  | 374  | -7.5  | 374   |
| -10   | 333  | -10   | 333   |
| -12.5 | 288  | -12.5 | 288   |
| -15   | 242  | -15   | 242   |
| -17.5 | 199  | -17.5 | 199   |
| -20   | 161  | -20   | 161   |
| -22.5 | 128  | -22.5 | 128   |
| -25   | 101  | -25   | 101   |
| -27.5 | 79   | -27.5 | 79    |
| -30   | 62   | -30   | 62    |
| -32.5 | 49   | -32.5 | 49    |
| -35   | 39   | -35   | 39    |
| -37.5 | 31   | -37.5 | 31    |
| -40   | 26   | -40   | 26    |
| -42.5 | 22   | -42.5 | 22    |

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

AXIAL CANDELA - (Cont.)

| DEG.  | HOR. | DEG.  | VERT. |
|-------|------|-------|-------|
| -45   | 19   | -45   | 19    |
| -47.5 | 17   | -47.5 | 17    |
| -50   | 16   | -50   | 16    |
| -52.5 | 15   | -52.5 | 15    |
| -55   | 14   | -55   | 14    |
| -57.5 | 13   | -57.5 | 13    |
| -60   | 12   | -60   | 12    |
| -62.5 | 12   | -62.5 | 12    |
| -65   | 11   | -65   | 11    |
| -67.5 | 10   | -67.5 | 10    |
| -70   | 8    | -70   | 8     |
| -72.5 | 6    | -72.5 | 6     |
| -75   | 4    | -75   | 4     |
| -77.5 | 3    | -77.5 | 3     |
| -80   | 2    | -80   | 2     |
| -82.5 | 1    | -82.5 | 1     |
| -85   | 1    | -85   | 1     |
| -87.5 | 0    | -87.5 | 0     |
| -90   | 0    | -90   | 0     |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**CANDELA TABULATION**

Maximum Candela = 436

Beam Edge = 218 Cd (50% of Max.)

Field Edge = 43.6 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

| <b>Vert.<br/>Angles</b> | <b>Horizontal Angles</b> |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|-------------------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                         | <b><u>-90.0</u></b>      | <b><u>-87.5</u></b> | <b><u>-85.0</u></b> | <b><u>-82.5</u></b> | <b><u>-80.0</u></b> | <b><u>-77.5</u></b> | <b><u>-75.0</u></b> | <b><u>-72.5</u></b> | <b><u>-70.0</u></b> | <b><u>-67.5</u></b> |
| 90.0                    | 0                        | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   |
| 87.5                    | 0                        | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   |
| 85.0                    | 0                        | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   |
| 82.5                    | 0                        | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   |
| 80.0                    | 0                        | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 1                   |
| 77.5                    | 0                        | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 1                   | 1                   |
| 75.0                    | 0                        | 0                   | 0                   | 0                   | 0                   | 0                   | 1                   | 1                   | 1                   | 1                   |
| 72.5                    | 0                        | 0                   | 0                   | 0                   | 0                   | 0                   | 1                   | 1                   | 1                   | 1                   |
| 70.0                    | 0                        | 0                   | 0                   | 0                   | 0                   | 1                   | 1                   | 1                   | 1                   | 1                   |
| 67.5                    | 0                        | 0                   | 0                   | 0                   | 1                   | 1                   | 1                   | 1                   | 1                   | 1                   |
| 65.0                    | 0                        | 0                   | 0                   | 0                   | 1                   | 1                   | 1                   | 1                   | 1                   | 2                   |
| 62.5                    | 0                        | 0                   | 0                   | 0                   | 1                   | 1                   | 1                   | 1                   | 2                   | 2                   |
| 60.0                    | 0                        | 0                   | 0                   | 0                   | 1                   | 1                   | 1                   | 1                   | 2                   | 2                   |
| 57.5                    | 0                        | 0                   | 0                   | 1                   | 1                   | 1                   | 1                   | 2                   | 2                   | 3                   |
| 55.0                    | 0                        | 0                   | 0                   | 1                   | 1                   | 1                   | 1                   | 2                   | 3                   | 3                   |
| 52.5                    | 0                        | 0                   | 0                   | 1                   | 1                   | 1                   | 2                   | 2                   | 3                   | 3                   |
| 50.0                    | 0                        | 0                   | 0                   | 1                   | 1                   | 1                   | 2                   | 2                   | 3                   | 4                   |
| 47.5                    | 0                        | 0                   | 0                   | 1                   | 1                   | 1                   | 2                   | 3                   | 3                   | 4                   |
| 45.0                    | 0                        | 0                   | 0                   | 1                   | 1                   | 2                   | 2                   | 3                   | 4                   | 5                   |
| 42.5                    | 0                        | 0                   | 0                   | 1                   | 1                   | 2                   | 2                   | 3                   | 4                   | 5                   |
| 40.0                    | 0                        | 0                   | 1                   | 1                   | 1                   | 2                   | 3                   | 3                   | 4                   | 6                   |
| 37.5                    | 0                        | 0                   | 1                   | 1                   | 1                   | 2                   | 3                   | 4                   | 5                   | 6                   |
| 35.0                    | 0                        | 0                   | 1                   | 1                   | 1                   | 2                   | 3                   | 4                   | 5                   | 7                   |
| 32.5                    | 0                        | 0                   | 1                   | 1                   | 1                   | 2                   | 3                   | 4                   | 5                   | 7                   |
| 30.0                    | 0                        | 0                   | 1                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 7                   |
| 27.5                    | 0                        | 0                   | 1                   | 1                   | 2                   | 2                   | 3                   | 4                   | 6                   | 8                   |
| 25.0                    | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 3                   | 5                   | 6                   | 8                   |
| 22.5                    | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 5                   | 7                   | 9                   |
| 20.0                    | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 5                   | 7                   | 9                   |
| 17.5                    | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 5                   | 7                   | 9                   |
| 15.0                    | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 7                   | 9                   |
| 12.5                    | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 8                   | 10                  |
| 10.0                    | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 8                   | 10                  |
| 7.5                     | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 8                   | 10                  |
| 5.0                     | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 8                   | 10                  |
| 2.5                     | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 8                   | 10                  |
| 0.0                     | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 8                   | 10                  |
| -2.5                    | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 8                   | 10                  |
| -5.0                    | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 8                   | 10                  |
| -7.5                    | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 8                   | 10                  |
| -10.0                   | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 8                   | 10                  |
| -12.5                   | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 8                   | 10                  |
| -15.0                   | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 7                   | 9                   |
| -17.5                   | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 5                   | 7                   | 9                   |
| -20.0                   | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 5                   | 7                   | 9                   |
| -22.5                   | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 4                   | 5                   | 7                   | 9                   |
| -25.0                   | 0                        | 0                   | 1                   | 1                   | 2                   | 3                   | 3                   | 5                   | 6                   | 8                   |
| -27.5                   | 0                        | 0                   | 1                   | 1                   | 2                   | 2                   | 3                   | 4                   | 6                   | 8                   |
| -30.0                   | 0                        | 0                   | 1                   | 1                   | 1                   | 2                   | 3                   | 4                   | 6                   | 7                   |

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

CANDELA TABULATION - (Cont.)

|       |   |   |   |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|---|---|---|
| -32.5 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 4 | 5 | 7 |
| -35.0 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 4 | 5 | 7 |
| -37.5 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 4 | 5 | 6 |
| -40.0 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 3 | 4 | 6 |
| -42.5 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 4 | 5 |
| -45.0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 4 | 5 |
| -47.5 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 3 | 4 |
| -50.0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 |
| -52.5 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| -55.0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 3 | 3 |
| -57.5 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| -60.0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 |
| -62.5 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 |
| -65.0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 |
| -67.5 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70.0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| -72.5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| -75.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| -77.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| -80.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| -82.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Vert.<br>Angles | Horizontal Angles |              |              |              |              |              |              |              |              |              |
|-----------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                 | <u>-65.0</u>      | <u>-62.5</u> | <u>-60.0</u> | <u>-57.5</u> | <u>-55.0</u> | <u>-52.5</u> | <u>-50.0</u> | <u>-47.5</u> | <u>-45.0</u> | <u>-42.5</u> |
| 90.0            | 0                 | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| 87.5            | 0                 | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| 85.0            | 0                 | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| 82.5            | 0                 | 0            | 0            | 1            | 1            | 1            | 1            | 1            | 1            | 1            |
| 80.0            | 1                 | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            |
| 77.5            | 1                 | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 2            | 2            |
| 75.0            | 1                 | 1            | 1            | 1            | 1            | 2            | 2            | 2            | 2            | 2            |
| 72.5            | 1                 | 1            | 1            | 2            | 2            | 2            | 2            | 3            | 3            | 3            |
| 70.0            | 1                 | 2            | 2            | 2            | 3            | 3            | 3            | 3            | 4            | 4            |
| 67.5            | 2                 | 2            | 2            | 3            | 3            | 3            | 4            | 4            | 5            | 5            |
| 65.0            | 2                 | 3            | 3            | 3            | 4            | 4            | 5            | 5            | 6            | 7            |
| 62.5            | 3                 | 3            | 3            | 4            | 4            | 5            | 6            | 7            | 7            | 8            |
| 60.0            | 3                 | 3            | 4            | 4            | 5            | 6            | 7            | 8            | 9            | 9            |
| 57.5            | 3                 | 4            | 4            | 5            | 6            | 7            | 8            | 9            | 10           | 10           |
| 55.0            | 4                 | 4            | 5            | 6            | 7            | 8            | 9            | 10           | 11           | 11           |
| 52.5            | 4                 | 5            | 6            | 7            | 8            | 9            | 10           | 11           | 11           | 12           |
| 50.0            | 5                 | 6            | 7            | 8            | 9            | 10           | 11           | 11           | 12           | 12           |
| 47.5            | 5                 | 7            | 8            | 9            | 10           | 11           | 11           | 12           | 12           | 12           |
| 45.0            | 6                 | 7            | 9            | 10           | 11           | 11           | 12           | 12           | 12           | 13           |
| 42.5            | 7                 | 8            | 9            | 10           | 11           | 12           | 12           | 12           | 13           | 13           |
| 40.0            | 7                 | 9            | 10           | 11           | 11           | 12           | 12           | 12           | 13           | 14           |
| 37.5            | 8                 | 9            | 10           | 11           | 12           | 12           | 12           | 13           | 14           | 14           |
| 35.0            | 8                 | 10           | 11           | 11           | 12           | 12           | 13           | 13           | 14           | 15           |
| 32.5            | 9                 | 10           | 11           | 12           | 12           | 12           | 13           | 14           | 15           | 15           |
| 30.0            | 9                 | 10           | 11           | 12           | 12           | 13           | 14           | 14           | 15           | 16           |
| 27.5            | 10                | 11           | 12           | 12           | 12           | 13           | 14           | 15           | 16           | 16           |
| 25.0            | 10                | 11           | 12           | 12           | 13           | 13           | 14           | 15           | 16           | 17           |
| 22.5            | 10                | 11           | 12           | 12           | 13           | 14           | 15           | 15           | 16           | 17           |

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

CANDELA TABULATION - (Cont.)

|       |    |    |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|----|----|
| 20.0  | 10 | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 17.5  | 11 | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 19 |
| 15.0  | 11 | 12 | 12 | 13 | 13 | 14 | 15 | 16 | 17 | 19 |
| 12.5  | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 20 |
| 10.0  | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 21 |
| 7.5   | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 21 |
| 5.0   | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 22 |
| 2.5   | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 22 |
| 0.0   | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 22 |
| -2.5  | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 22 |
| -5.0  | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 22 |
| -7.5  | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 19 | 21 |
| -10.0 | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 21 |
| -12.5 | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 20 |
| -15.0 | 11 | 12 | 12 | 13 | 13 | 14 | 15 | 16 | 17 | 19 |
| -17.5 | 11 | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 19 |
| -20.0 | 10 | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| -22.5 | 10 | 11 | 12 | 12 | 13 | 14 | 15 | 15 | 16 | 17 |
| -25.0 | 10 | 11 | 12 | 12 | 13 | 13 | 14 | 15 | 16 | 17 |
| -27.5 | 10 | 11 | 12 | 12 | 12 | 13 | 14 | 15 | 16 | 16 |
| -30.0 | 9  | 10 | 11 | 12 | 12 | 13 | 14 | 14 | 15 | 16 |
| -32.5 | 9  | 10 | 11 | 12 | 12 | 12 | 13 | 14 | 15 | 15 |
| -35.0 | 8  | 10 | 11 | 11 | 12 | 12 | 13 | 13 | 14 | 15 |
| -37.5 | 8  | 9  | 10 | 11 | 12 | 12 | 12 | 13 | 14 | 14 |
| -40.0 | 7  | 9  | 10 | 11 | 11 | 12 | 12 | 12 | 13 | 14 |
| -42.5 | 7  | 8  | 9  | 10 | 11 | 12 | 12 | 12 | 13 | 13 |
| -45.0 | 6  | 7  | 9  | 10 | 11 | 11 | 12 | 12 | 12 | 13 |
| -47.5 | 5  | 7  | 8  | 9  | 10 | 11 | 11 | 12 | 12 | 12 |
| -50.0 | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 11 | 12 | 12 |
| -52.5 | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 11 | 12 |
| -55.0 | 4  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 11 |
| -57.5 | 3  | 4  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 10 |
| -60.0 | 3  | 3  | 4  | 4  | 5  | 6  | 7  | 8  | 9  | 9  |
| -62.5 | 3  | 3  | 3  | 4  | 4  | 5  | 6  | 7  | 7  | 8  |
| -65.0 | 2  | 3  | 3  | 3  | 4  | 4  | 5  | 5  | 6  | 7  |
| -67.5 | 2  | 2  | 2  | 3  | 3  | 3  | 4  | 4  | 5  | 5  |
| -70.0 | 1  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 4  | 4  |
| -72.5 | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| -75.0 | 1  | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 2  |
| -77.5 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  |
| -80.0 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| -82.5 | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| -85.0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| -87.5 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| -90.0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

| Vert.<br>Angles | Horizontal Angles |              |              |              |              |              |              |              |              |              |
|-----------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                 | <u>-40.0</u>      | <u>-37.5</u> | <u>-35.0</u> | <u>-32.5</u> | <u>-30.0</u> | <u>-27.5</u> | <u>-25.0</u> | <u>-22.5</u> | <u>-20.0</u> | <u>-17.5</u> |
| 90.0            | 0                 | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| 87.5            | 0                 | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| 85.0            | 1                 | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            |
| 82.5            | 1                 | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            |
| 80.0            | 1                 | 1            | 1            | 1            | 1            | 2            | 2            | 2            | 2            | 2            |
| 77.5            | 2                 | 2            | 2            | 2            | 2            | 2            | 3            | 3            | 3            | 3            |
| 75.0            | 3                 | 3            | 3            | 3            | 3            | 3            | 3            | 4            | 4            | 4            |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**CANDELA TABULATION - (Cont.)**

|       |    |    |    |      |      |      |       |       |       |       |
|-------|----|----|----|------|------|------|-------|-------|-------|-------|
| 72.5  | 3  | 4  | 4  | 4    | 4    | 4    | 5     | 5     | 5     | 5     |
| 70.0  | 4  | 5  | 5  | 5    | 6    | 6    | 6     | 7     | 7     | 7     |
| 67.5  | 6  | 6  | 7  | 7    | 7    | 8    | 8     | 9     | 9     | 9     |
| 65.0  | 7  | 8  | 8  | 9    | 9    | 10   | 10    | 10    | 10    | 11    |
| 62.5  | 9  | 9  | 10 | 10   | 10   | 11   | 11    | 11    | 11    | 11    |
| 60.0  | 10 | 10 | 11 | 11   | 11   | 12   | 12    | 12    | 12    | 12    |
| 57.5  | 11 | 11 | 11 | 12   | 12   | 12   | 12    | 12    | 12    | 12    |
| 55.0  | 11 | 12 | 12 | 12   | 12   | 12   | 13    | 13    | 13    | 13    |
| 52.5  | 12 | 12 | 12 | 12   | 13   | 13   | 13    | 14    | 14    | 14    |
| 50.0  | 12 | 12 | 13 | 13   | 14   | 14   | 14    | 15    | 15    | 15    |
| 47.5  | 12 | 13 | 13 | 14   | 14   | 15   | 15    | 15    | 16    | 16    |
| 45.0  | 13 | 14 | 14 | 15   | 15   | 16   | 16    | 16    | 17    | 17    |
| 42.5  | 14 | 14 | 15 | 15   | 16   | 16   | 17    | 17    | 18    | 19    |
| 40.0  | 14 | 15 | 16 | 16   | 17   | 17   | 18    | 19    | 20    | 21    |
| 37.5  | 15 | 16 | 16 | 17   | 18   | 19   | 20    | 22    | 23    | 25    |
| 35.0  | 16 | 16 | 17 | 18   | 19   | 21   | 23    | 25    | 27    | 29    |
| 32.5  | 16 | 17 | 18 | 19   | 21   | 23   | 26    | 28    | 31    | 34    |
| 30.0  | 17 | 18 | 19 | 21   | 24   | 26   | 29    | 33    | 37    | 42    |
| 27.5  | 17 | 19 | 21 | 23   | 26   | 30   | 34    | 39    | 45 *  | 50 *  |
| 25.0  | 18 | 20 | 23 | 26   | 29   | 34   | 40    | 46 *  | 54 *  | 61 *  |
| 22.5  | 19 | 22 | 25 | 28   | 33   | 39   | 46 *  | 55 *  | 64 *  | 74 *  |
| 20.0  | 20 | 23 | 27 | 31   | 37   | 45 * | 54 *  | 64 *  | 76 *  | 89 *  |
| 17.5  | 21 | 25 | 29 | 34   | 42   | 50 * | 61 *  | 74 *  | 89 *  | 106 * |
| 15.0  | 22 | 26 | 31 | 38   | 46 * | 57 * | 69 *  | 85 *  | 103 * | 124 * |
| 12.5  | 23 | 28 | 33 | 41   | 50 * | 62 * | 77 *  | 96 *  | 118 * | 143 * |
| 10.0  | 24 | 29 | 35 | 44 * | 54 * | 68 * | 85 *  | 106 * | 131 * | 161 * |
| 7.5   | 25 | 30 | 37 | 46 * | 58 * | 73 * | 92 *  | 116 * | 144 * | 176 * |
| 5.0   | 26 | 30 | 38 | 48 * | 60 * | 76 * | 97 *  | 122 * | 153 * | 189 * |
| 2.5   | 26 | 31 | 39 | 49 * | 62 * | 78 * | 100 * | 127 * | 159 * | 196 * |
| 0.0   | 26 | 31 | 39 | 49 * | 62 * | 79 * | 101 * | 128 * | 161 * | 199 * |
| -2.5  | 26 | 31 | 39 | 49 * | 62 * | 78 * | 100 * | 127 * | 159 * | 196 * |
| -5.0  | 26 | 30 | 38 | 48 * | 60 * | 76 * | 97 *  | 122 * | 153 * | 189 * |
| -7.5  | 25 | 30 | 37 | 46 * | 58 * | 73 * | 92 *  | 116 * | 144 * | 176 * |
| -10.0 | 24 | 29 | 35 | 44 * | 54 * | 68 * | 85 *  | 106 * | 131 * | 161 * |
| -12.5 | 23 | 28 | 33 | 41   | 50 * | 62 * | 77 *  | 96 *  | 118 * | 143 * |
| -15.0 | 22 | 26 | 31 | 38   | 46 * | 57 * | 69 *  | 85 *  | 103 * | 124 * |
| -17.5 | 21 | 25 | 29 | 34   | 42   | 50 * | 61 *  | 74 *  | 89 *  | 106 * |
| -20.0 | 20 | 23 | 27 | 31   | 37   | 45 * | 54 *  | 64 *  | 76 *  | 89 *  |
| -22.5 | 19 | 22 | 25 | 28   | 33   | 39   | 46 *  | 55 *  | 64 *  | 74 *  |
| -25.0 | 18 | 20 | 23 | 26   | 29   | 34   | 40    | 46 *  | 54 *  | 61 *  |
| -27.5 | 17 | 19 | 21 | 23   | 26   | 30   | 34    | 39    | 45 *  | 50 *  |
| -30.0 | 17 | 18 | 19 | 21   | 24   | 26   | 29    | 33    | 37    | 42    |
| -32.5 | 16 | 17 | 18 | 19   | 21   | 23   | 26    | 28    | 31    | 34    |
| -35.0 | 16 | 16 | 17 | 18   | 19   | 21   | 23    | 25    | 27    | 29    |
| -37.5 | 15 | 16 | 16 | 17   | 18   | 19   | 20    | 22    | 23    | 25    |
| -40.0 | 14 | 15 | 16 | 16   | 17   | 17   | 18    | 19    | 20    | 21    |
| -42.5 | 14 | 14 | 15 | 15   | 16   | 16   | 17    | 17    | 18    | 19    |
| -45.0 | 13 | 14 | 14 | 15   | 15   | 16   | 16    | 16    | 17    | 17    |
| -47.5 | 12 | 13 | 13 | 14   | 14   | 15   | 15    | 15    | 16    | 16    |
| -50.0 | 12 | 12 | 13 | 13   | 14   | 14   | 14    | 15    | 15    | 15    |
| -52.5 | 12 | 12 | 12 | 12   | 13   | 13   | 13    | 14    | 14    | 14    |
| -55.0 | 11 | 12 | 12 | 12   | 12   | 12   | 13    | 13    | 13    | 13    |
| -57.5 | 11 | 11 | 11 | 12   | 12   | 12   | 12    | 12    | 12    | 12    |
| -60.0 | 10 | 10 | 11 | 11   | 11   | 12   | 12    | 12    | 12    | 12    |
| -62.5 | 9  | 9  | 10 | 10   | 10   | 11   | 11    | 11    | 11    | 11    |
| -65.0 | 7  | 8  | 8  | 9    | 9    | 10   | 10    | 10    | 10    | 11    |

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

CANDELA TABULATION - (Cont.)

|       |   |   |   |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|---|---|---|
| -67.5 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 |
| -70.0 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 |
| -72.5 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| -75.0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| -77.5 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| -80.0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| -82.5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -85.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Vert.<br>Angles | Horizontal Angles |              |              |             |             |             |            |            |            |            |
|-----------------|-------------------|--------------|--------------|-------------|-------------|-------------|------------|------------|------------|------------|
|                 | <u>-15.0</u>      | <u>-12.5</u> | <u>-10.0</u> | <u>-7.5</u> | <u>-5.0</u> | <u>-2.5</u> | <u>0.0</u> | <u>2.5</u> | <u>5.0</u> | <u>7.5</u> |
| 90.0            | 0                 | 0            | 0            | 0           | 0           | 0           | 0          | 0          | 0          | 0          |
| 87.5            | 0                 | 0            | 0            | 0           | 0           | 0           | 0          | 0          | 0          | 0          |
| 85.0            | 1                 | 1            | 1            | 1           | 1           | 1           | 1          | 1          | 1          | 1          |
| 82.5            | 1                 | 1            | 1            | 1           | 1           | 1           | 1          | 1          | 1          | 1          |
| 80.0            | 2                 | 2            | 2            | 2           | 2           | 2           | 2          | 2          | 2          | 2          |
| 77.5            | 3                 | 3            | 3            | 3           | 3           | 3           | 3          | 3          | 3          | 3          |
| 75.0            | 4                 | 4            | 4            | 4           | 4           | 4           | 4          | 4          | 4          | 4          |
| 72.5            | 6                 | 6            | 6            | 6           | 6           | 6           | 6          | 6          | 6          | 6          |
| 70.0            | 7                 | 8            | 8            | 8           | 8           | 8           | 8          | 8          | 8          | 8          |
| 67.5            | 9                 | 10           | 10           | 10          | 10          | 10          | 10         | 10         | 10         | 10         |
| 65.0            | 11                | 11           | 11           | 11          | 11          | 11          | 11         | 11         | 11         | 11         |
| 62.5            | 12                | 12           | 12           | 12          | 12          | 12          | 12         | 12         | 12         | 12         |
| 60.0            | 12                | 12           | 12           | 12          | 12          | 12          | 12         | 12         | 12         | 12         |
| 57.5            | 13                | 13           | 13           | 13          | 13          | 13          | 13         | 13         | 13         | 13         |
| 55.0            | 13                | 14           | 14           | 14          | 14          | 14          | 14         | 14         | 14         | 14         |
| 52.5            | 14                | 15           | 15           | 15          | 15          | 15          | 15         | 15         | 15         | 15         |
| 50.0            | 15                | 16           | 16           | 16          | 16          | 16          | 16         | 16         | 16         | 16         |
| 47.5            | 16                | 17           | 17           | 17          | 17          | 17          | 17         | 17         | 17         | 17         |
| 45.0            | 17                | 18           | 18           | 19          | 19          | 19          | 19         | 19         | 19         | 19         |
| 42.5            | 19                | 20           | 21           | 21          | 22          | 22          | 22         | 22         | 22         | 21         |
| 40.0            | 22                | 23           | 24           | 25          | 26          | 26          | 26         | 26         | 26         | 25         |
| 37.5            | 26                | 28           | 29           | 30          | 30          | 31          | 31         | 31         | 30         | 30         |
| 35.0            | 31                | 33           | 35           | 37          | 38          | 39          | 39         | 39         | 38         | 37         |
| 32.5            | 38                | 41           | 44 *         | 46 *        | 48 *        | 49 *        | 49 *       | 49 *       | 48 *       | 46 *       |
| 30.0            | 46 *              | 50 *         | 54 *         | 58 *        | 60 *        | 62 *        | 62 *       | 62 *       | 60 *       | 58 *       |
| 27.5            | 57 *              | 62 *         | 68 *         | 73 *        | 76 *        | 78 *        | 79 *       | 78 *       | 76 *       | 73 *       |
| 25.0            | 69 *              | 77 *         | 85 *         | 92 *        | 97 *        | 100 *       | 101 *      | 100 *      | 97 *       | 92 *       |
| 22.5            | 85 *              | 96 *         | 106 *        | 116 *       | 122 *       | 127 *       | 128 *      | 127 *      | 122 *      | 116 *      |
| 20.0            | 103 *             | 118 *        | 131 *        | 144 *       | 153 *       | 159 *       | 161 *      | 159 *      | 153 *      | 144 *      |
| 17.5            | 124 *             | 143 *        | 161 *        | 176 *       | 189 *       | 196 *       | 199 *      | 196 *      | 189 *      | 176 *      |
| 15.0            | 147 *             | 170 *        | 192 *        | 212 *       | 228 *       | 239 *       | 242 *      | 239 *      | 228 *      | 212 *      |
| 12.5            | 170 *             | 197 *        | 226 *        | 250 *       | 271 *       | 284 *       | 288 *      | 284 *      | 271 *      | 250 *      |
| 10.0            | 192 *             | 226 *        | 258 *        | 288 *       | 312 *       | 328 *       | 333 *      | 328 *      | 312 *      | 288 *      |
| 7.5             | 212 *             | 250 *        | 288 *        | 322 *       | 349 *       | 367 *       | 374 *      | 367 *      | 349 *      | 322 *      |
| 5.0             | 228 *             | 271 *        | 312 *        | 349 *       | 380 *       | 398 *       | 406 *      | 398 *      | 380 *      | 349 *      |
| 2.5             | 239 *             | 284 *        | 328 *        | 367 *       | 398 *       | 419 *       | 428 *      | 419 *      | 398 *      | 367 *      |
| 0.0             | 242 *             | 288 *        | 333 *        | 374 *       | 406 *       | 428 *       | 436 *      | 428 *      | 406 *      | 374 *      |
| -2.5            | 239 *             | 284 *        | 328 *        | 367 *       | 398 *       | 419 *       | 428 *      | 419 *      | 398 *      | 367 *      |
| -5.0            | 228 *             | 271 *        | 312 *        | 349 *       | 380 *       | 398 *       | 406 *      | 398 *      | 380 *      | 349 *      |
| -7.5            | 212 *             | 250 *        | 288 *        | 322 *       | 349 *       | 367 *       | 374 *      | 367 *      | 349 *      | 322 *      |
| -10.0           | 192 *             | 226 *        | 258 *        | 288 *       | 312 *       | 328 *       | 333 *      | 328 *      | 312 *      | 288 *      |
| -12.5           | 170 *             | 197 *        | 226 *        | 250 *       | 271 *       | 284 *       | 288 *      | 284 *      | 271 *      | 250 *      |



IES FLOOD REPORT  
PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

CANDELA TABULATION - (Cont.)

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -15.0 | 147 * | 170 * | 192 * | 212 * | 228 * | 239 * | 242 * | 239 * | 228 * | 212 * |
| -17.5 | 124 * | 143 * | 161 * | 176 * | 189 * | 196 * | 199 * | 196 * | 189 * | 176 * |
| -20.0 | 103 * | 118 * | 131 * | 144 * | 153 * | 159 * | 161 * | 159 * | 153 * | 144 * |
| -22.5 | 85 *  | 96 *  | 106 * | 116 * | 122 * | 127 * | 128 * | 127 * | 122 * | 116 * |
| -25.0 | 69 *  | 77 *  | 85 *  | 92 *  | 97 *  | 100 * | 101 * | 100 * | 97 *  | 92 *  |
| -27.5 | 57 *  | 62 *  | 68 *  | 73 *  | 76 *  | 78 *  | 79 *  | 78 *  | 76 *  | 73 *  |
| -30.0 | 46 *  | 50 *  | 54 *  | 58 *  | 60 *  | 62 *  | 62 *  | 62 *  | 60 *  | 58 *  |
| -32.5 | 38    | 41    | 44 *  | 46 *  | 48 *  | 49 *  | 49 *  | 49 *  | 48 *  | 46 *  |
| -35.0 | 31    | 33    | 35    | 37    | 38    | 39    | 39    | 39    | 38    | 37    |
| -37.5 | 26    | 28    | 29    | 30    | 30    | 31    | 31    | 31    | 30    | 30    |
| -40.0 | 22    | 23    | 24    | 25    | 26    | 26    | 26    | 26    | 26    | 25    |
| -42.5 | 19    | 20    | 21    | 21    | 22    | 22    | 22    | 22    | 22    | 21    |
| -45.0 | 17    | 18    | 18    | 19    | 19    | 19    | 19    | 19    | 19    | 19    |
| -47.5 | 16    | 17    | 17    | 17    | 17    | 17    | 17    | 17    | 17    | 17    |
| -50.0 | 15    | 16    | 16    | 16    | 16    | 16    | 16    | 16    | 16    | 16    |
| -52.5 | 14    | 15    | 15    | 15    | 15    | 15    | 15    | 15    | 15    | 15    |
| -55.0 | 13    | 14    | 14    | 14    | 14    | 14    | 14    | 14    | 14    | 14    |
| -57.5 | 13    | 13    | 13    | 13    | 13    | 13    | 13    | 13    | 13    | 13    |
| -60.0 | 12    | 12    | 12    | 12    | 12    | 12    | 12    | 12    | 12    | 12    |
| -62.5 | 12    | 12    | 12    | 12    | 12    | 12    | 12    | 12    | 12    | 12    |
| -65.0 | 11    | 11    | 11    | 11    | 11    | 11    | 11    | 11    | 11    | 11    |
| -67.5 | 9     | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    |
| -70.0 | 7     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 8     |
| -72.5 | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     |
| -75.0 | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     |
| -77.5 | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     |
| -80.0 | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     |
| -82.5 | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| -85.0 | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| -87.5 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| -90.0 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

| Vert.<br>Angles | Horizontal Angles |             |             |             |             |             |             |             |             |             |
|-----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                 | <u>10.0</u>       | <u>12.5</u> | <u>15.0</u> | <u>17.5</u> | <u>20.0</u> | <u>22.5</u> | <u>25.0</u> | <u>27.5</u> | <u>30.0</u> | <u>32.5</u> |
| 90.0            | 0                 | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| 87.5            | 0                 | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| 85.0            | 1                 | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
| 82.5            | 1                 | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
| 80.0            | 2                 | 2           | 2           | 2           | 2           | 2           | 2           | 2           | 1           | 1           |
| 77.5            | 3                 | 3           | 3           | 3           | 3           | 3           | 3           | 2           | 2           | 2           |
| 75.0            | 4                 | 4           | 4           | 4           | 4           | 4           | 3           | 3           | 3           | 3           |
| 72.5            | 6                 | 6           | 6           | 5           | 5           | 5           | 5           | 4           | 4           | 4           |
| 70.0            | 8                 | 8           | 7           | 7           | 7           | 7           | 6           | 6           | 6           | 5           |
| 67.5            | 10                | 10          | 9           | 9           | 9           | 9           | 8           | 8           | 7           | 7           |
| 65.0            | 11                | 11          | 11          | 11          | 10          | 10          | 10          | 10          | 9           | 9           |
| 62.5            | 12                | 12          | 12          | 11          | 11          | 11          | 11          | 11          | 10          | 10          |
| 60.0            | 12                | 12          | 12          | 12          | 12          | 12          | 12          | 12          | 11          | 11          |
| 57.5            | 13                | 13          | 13          | 12          | 12          | 12          | 12          | 12          | 12          | 12          |
| 55.0            | 14                | 14          | 13          | 13          | 13          | 13          | 13          | 12          | 12          | 12          |
| 52.5            | 15                | 15          | 14          | 14          | 14          | 14          | 13          | 13          | 13          | 12          |
| 50.0            | 16                | 16          | 15          | 15          | 15          | 15          | 14          | 14          | 14          | 13          |
| 47.5            | 17                | 17          | 16          | 16          | 16          | 15          | 15          | 15          | 14          | 14          |
| 45.0            | 18                | 18          | 17          | 17          | 17          | 16          | 16          | 16          | 15          | 15          |
| 42.5            | 21                | 20          | 19          | 19          | 18          | 17          | 17          | 16          | 16          | 15          |
| 40.0            | 24                | 23          | 22          | 21          | 20          | 19          | 18          | 17          | 17          | 16          |

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

CANDELA TABULATION - (Cont.)

|       |       |       |       |       |       |       |       |      |      |      |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 37.5  | 29    | 28    | 26    | 25    | 23    | 22    | 20    | 19   | 18   | 17   |
| 35.0  | 35    | 33    | 31    | 29    | 27    | 25    | 23    | 21   | 19   | 18   |
| 32.5  | 44 *  | 41    | 38    | 34    | 31    | 28    | 26    | 23   | 21   | 19   |
| 30.0  | 54 *  | 50 *  | 46 *  | 42    | 37    | 33    | 29    | 26   | 24   | 21   |
| 27.5  | 68 *  | 62 *  | 57 *  | 50 *  | 45 *  | 39    | 34    | 30   | 26   | 23   |
| 25.0  | 85 *  | 77 *  | 69 *  | 61 *  | 54 *  | 46 *  | 40    | 34   | 29   | 26   |
| 22.5  | 106 * | 96 *  | 85 *  | 74 *  | 64 *  | 55 *  | 46 *  | 39   | 33   | 28   |
| 20.0  | 131 * | 118 * | 103 * | 89 *  | 76 *  | 64 *  | 54 *  | 45 * | 37   | 31   |
| 17.5  | 161 * | 143 * | 124 * | 106 * | 89 *  | 74 *  | 61 *  | 50 * | 42   | 34   |
| 15.0  | 192 * | 170 * | 147 * | 124 * | 103 * | 85 *  | 69 *  | 57 * | 46 * | 38   |
| 12.5  | 226 * | 197 * | 170 * | 143 * | 118 * | 96 *  | 77 *  | 62 * | 50 * | 41   |
| 10.0  | 258 * | 226 * | 192 * | 161 * | 131 * | 106 * | 85 *  | 68 * | 54 * | 44 * |
| 7.5   | 288 * | 250 * | 212 * | 176 * | 144 * | 116 * | 92 *  | 73 * | 58 * | 46 * |
| 5.0   | 312 * | 271 * | 228 * | 189 * | 153 * | 122 * | 97 *  | 76 * | 60 * | 48 * |
| 2.5   | 328 * | 284 * | 239 * | 196 * | 159 * | 127 * | 100 * | 78 * | 62 * | 49 * |
| 0.0   | 333 * | 288 * | 242 * | 199 * | 161 * | 128 * | 101 * | 79 * | 62 * | 49 * |
| -2.5  | 328 * | 284 * | 239 * | 196 * | 159 * | 127 * | 100 * | 78 * | 62 * | 49 * |
| -5.0  | 312 * | 271 * | 228 * | 189 * | 153 * | 122 * | 97 *  | 76 * | 60 * | 48 * |
| -7.5  | 288 * | 250 * | 212 * | 176 * | 144 * | 116 * | 92 *  | 73 * | 58 * | 46 * |
| -10.0 | 258 * | 226 * | 192 * | 161 * | 131 * | 106 * | 85 *  | 68 * | 54 * | 44 * |
| -12.5 | 226 * | 197 * | 170 * | 143 * | 118 * | 96 *  | 77 *  | 62 * | 50 * | 41   |
| -15.0 | 192 * | 170 * | 147 * | 124 * | 103 * | 85 *  | 69 *  | 57 * | 46 * | 38   |
| -17.5 | 161 * | 143 * | 124 * | 106 * | 89 *  | 74 *  | 61 *  | 50 * | 42   | 34   |
| -20.0 | 131 * | 118 * | 103 * | 89 *  | 76 *  | 64 *  | 54 *  | 45 * | 37   | 31   |
| -22.5 | 106 * | 96 *  | 85 *  | 74 *  | 64 *  | 55 *  | 46 *  | 39   | 33   | 28   |
| -25.0 | 85 *  | 77 *  | 69 *  | 61 *  | 54 *  | 46 *  | 40    | 34   | 29   | 26   |
| -27.5 | 68 *  | 62 *  | 57 *  | 50 *  | 45 *  | 39    | 34    | 30   | 26   | 23   |
| -30.0 | 54 *  | 50 *  | 46 *  | 42    | 37    | 33    | 29    | 26   | 24   | 21   |
| -32.5 | 44 *  | 41    | 38    | 34    | 31    | 28    | 26    | 23   | 21   | 19   |
| -35.0 | 35    | 33    | 31    | 29    | 27    | 25    | 23    | 21   | 19   | 18   |
| -37.5 | 29    | 28    | 26    | 25    | 23    | 22    | 20    | 19   | 18   | 17   |
| -40.0 | 24    | 23    | 22    | 21    | 20    | 19    | 18    | 17   | 17   | 16   |
| -42.5 | 21    | 20    | 19    | 19    | 18    | 17    | 17    | 16   | 16   | 15   |
| -45.0 | 18    | 18    | 17    | 17    | 17    | 16    | 16    | 16   | 15   | 15   |
| -47.5 | 17    | 17    | 16    | 16    | 16    | 15    | 15    | 15   | 14   | 14   |
| -50.0 | 16    | 16    | 15    | 15    | 15    | 15    | 14    | 14   | 14   | 13   |
| -52.5 | 15    | 15    | 14    | 14    | 14    | 14    | 13    | 13   | 13   | 12   |
| -55.0 | 14    | 14    | 13    | 13    | 13    | 13    | 13    | 12   | 12   | 12   |
| -57.5 | 13    | 13    | 13    | 12    | 12    | 12    | 12    | 12   | 12   | 12   |
| -60.0 | 12    | 12    | 12    | 12    | 12    | 12    | 12    | 12   | 11   | 11   |
| -62.5 | 12    | 12    | 12    | 11    | 11    | 11    | 11    | 11   | 10   | 10   |
| -65.0 | 11    | 11    | 11    | 11    | 10    | 10    | 10    | 10   | 9    | 9    |
| -67.5 | 10    | 10    | 9     | 9     | 9     | 9     | 8     | 8    | 7    | 7    |
| -70.0 | 8     | 8     | 7     | 7     | 7     | 7     | 6     | 6    | 6    | 5    |
| -72.5 | 6     | 6     | 6     | 5     | 5     | 5     | 5     | 4    | 4    | 4    |
| -75.0 | 4     | 4     | 4     | 4     | 4     | 4     | 3     | 3    | 3    | 3    |
| -77.5 | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 2    | 2    | 2    |
| -80.0 | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2    | 1    | 1    |
| -82.5 | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1    | 1    | 1    |
| -85.0 | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1    | 1    | 1    |
| -87.5 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    | 0    |
| -90.0 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    | 0    |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**CANDELA TABULATION - (Cont.)**

| Vert.<br>Angles | Horizontal Angles |             |             |             |             |             |             |             |             |             |
|-----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                 | <u>35.0</u>       | <u>37.5</u> | <u>40.0</u> | <u>42.5</u> | <u>45.0</u> | <u>47.5</u> | <u>50.0</u> | <u>52.5</u> | <u>55.0</u> | <u>57.5</u> |
| 90.0            | 0                 | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| 87.5            | 0                 | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| 85.0            | 1                 | 1           | 1           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| 82.5            | 1                 | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
| 80.0            | 1                 | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |
| 77.5            | 2                 | 2           | 2           | 2           | 2           | 1           | 1           | 1           | 1           | 1           |
| 75.0            | 3                 | 3           | 3           | 2           | 2           | 2           | 2           | 2           | 1           | 1           |
| 72.5            | 4                 | 4           | 3           | 3           | 3           | 3           | 2           | 2           | 2           | 2           |
| 70.0            | 5                 | 5           | 4           | 4           | 4           | 3           | 3           | 3           | 3           | 2           |
| 67.5            | 7                 | 6           | 6           | 5           | 5           | 4           | 4           | 3           | 3           | 3           |
| 65.0            | 8                 | 8           | 7           | 7           | 6           | 5           | 5           | 4           | 4           | 3           |
| 62.5            | 10                | 9           | 9           | 8           | 7           | 7           | 6           | 5           | 4           | 4           |
| 60.0            | 11                | 10          | 10          | 9           | 9           | 8           | 7           | 6           | 5           | 4           |
| 57.5            | 11                | 11          | 11          | 10          | 10          | 9           | 8           | 7           | 6           | 5           |
| 55.0            | 12                | 12          | 11          | 11          | 11          | 10          | 9           | 8           | 7           | 6           |
| 52.5            | 12                | 12          | 12          | 12          | 11          | 11          | 10          | 9           | 8           | 7           |
| 50.0            | 13                | 12          | 12          | 12          | 12          | 11          | 11          | 10          | 9           | 8           |
| 47.5            | 13                | 13          | 12          | 12          | 12          | 12          | 11          | 11          | 10          | 9           |
| 45.0            | 14                | 14          | 13          | 13          | 12          | 12          | 12          | 11          | 11          | 10          |
| 42.5            | 15                | 14          | 14          | 13          | 13          | 12          | 12          | 12          | 11          | 10          |
| 40.0            | 16                | 15          | 14          | 14          | 13          | 12          | 12          | 12          | 11          | 11          |
| 37.5            | 16                | 16          | 15          | 14          | 14          | 13          | 12          | 12          | 12          | 11          |
| 35.0            | 17                | 16          | 16          | 15          | 14          | 13          | 13          | 12          | 12          | 11          |
| 32.5            | 18                | 17          | 16          | 15          | 15          | 14          | 13          | 12          | 12          | 12          |
| 30.0            | 19                | 18          | 17          | 16          | 15          | 14          | 14          | 13          | 12          | 12          |
| 27.5            | 21                | 19          | 17          | 16          | 16          | 15          | 14          | 13          | 12          | 12          |
| 25.0            | 23                | 20          | 18          | 17          | 16          | 15          | 14          | 13          | 13          | 12          |
| 22.5            | 25                | 22          | 19          | 17          | 16          | 15          | 15          | 14          | 13          | 12          |
| 20.0            | 27                | 23          | 20          | 18          | 17          | 16          | 15          | 14          | 13          | 12          |
| 17.5            | 29                | 25          | 21          | 19          | 17          | 16          | 15          | 14          | 13          | 12          |
| 15.0            | 31                | 26          | 22          | 19          | 17          | 16          | 15          | 14          | 13          | 13          |
| 12.5            | 33                | 28          | 23          | 20          | 18          | 17          | 16          | 15          | 14          | 13          |
| 10.0            | 35                | 29          | 24          | 21          | 18          | 17          | 16          | 15          | 14          | 13          |
| 7.5             | 37                | 30          | 25          | 21          | 19          | 17          | 16          | 15          | 14          | 13          |
| 5.0             | 38                | 30          | 26          | 22          | 19          | 17          | 16          | 15          | 14          | 13          |
| 2.5             | 39                | 31          | 26          | 22          | 19          | 17          | 16          | 15          | 14          | 13          |
| 0.0             | 39                | 31          | 26          | 22          | 19          | 17          | 16          | 15          | 14          | 13          |
| -2.5            | 39                | 31          | 26          | 22          | 19          | 17          | 16          | 15          | 14          | 13          |
| -5.0            | 38                | 30          | 26          | 22          | 19          | 17          | 16          | 15          | 14          | 13          |
| -7.5            | 37                | 30          | 25          | 21          | 19          | 17          | 16          | 15          | 14          | 13          |
| -10.0           | 35                | 29          | 24          | 21          | 18          | 17          | 16          | 15          | 14          | 13          |
| -12.5           | 33                | 28          | 23          | 20          | 18          | 17          | 16          | 15          | 14          | 13          |
| -15.0           | 31                | 26          | 22          | 19          | 17          | 16          | 15          | 14          | 13          | 13          |
| -17.5           | 29                | 25          | 21          | 19          | 17          | 16          | 15          | 14          | 13          | 12          |
| -20.0           | 27                | 23          | 20          | 18          | 17          | 16          | 15          | 14          | 13          | 12          |
| -22.5           | 25                | 22          | 19          | 17          | 16          | 15          | 15          | 14          | 13          | 12          |
| -25.0           | 23                | 20          | 18          | 17          | 16          | 15          | 14          | 13          | 13          | 12          |
| -27.5           | 21                | 19          | 17          | 16          | 16          | 15          | 14          | 13          | 12          | 12          |
| -30.0           | 19                | 18          | 17          | 16          | 15          | 14          | 14          | 13          | 12          | 12          |
| -32.5           | 18                | 17          | 16          | 15          | 15          | 14          | 13          | 12          | 12          | 12          |
| -35.0           | 17                | 16          | 16          | 15          | 14          | 13          | 13          | 12          | 12          | 11          |
| -37.5           | 16                | 16          | 15          | 14          | 14          | 13          | 12          | 12          | 12          | 11          |
| -40.0           | 16                | 15          | 14          | 14          | 13          | 12          | 12          | 12          | 11          | 11          |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**CANDELA TABULATION - (Cont.)**

|       |    |    |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|----|----|
| -42.5 | 15 | 14 | 14 | 13 | 13 | 12 | 12 | 12 | 11 | 10 |
| -45.0 | 14 | 14 | 13 | 13 | 12 | 12 | 12 | 11 | 11 | 10 |
| -47.5 | 13 | 13 | 12 | 12 | 12 | 12 | 11 | 11 | 10 | 9  |
| -50.0 | 13 | 12 | 12 | 12 | 12 | 11 | 11 | 10 | 9  | 8  |
| -52.5 | 12 | 12 | 12 | 12 | 11 | 11 | 10 | 9  | 8  | 7  |
| -55.0 | 12 | 12 | 11 | 11 | 11 | 10 | 9  | 8  | 7  | 6  |
| -57.5 | 11 | 11 | 11 | 10 | 10 | 9  | 8  | 7  | 6  | 5  |
| -60.0 | 11 | 10 | 10 | 9  | 9  | 8  | 7  | 6  | 5  | 4  |
| -62.5 | 10 | 9  | 9  | 8  | 7  | 7  | 6  | 5  | 4  | 4  |
| -65.0 | 8  | 8  | 7  | 7  | 6  | 5  | 5  | 4  | 4  | 3  |
| -67.5 | 7  | 6  | 6  | 5  | 5  | 4  | 4  | 3  | 3  | 3  |
| -70.0 | 5  | 5  | 4  | 4  | 4  | 3  | 3  | 3  | 3  | 2  |
| -72.5 | 4  | 4  | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 2  |
| -75.0 | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 2  | 1  | 1  |
| -77.5 | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 1  | 1  | 1  |
| -80.0 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| -82.5 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| -85.0 | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| -87.5 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| -90.0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

| Vert.<br>Angles | Horizontal Angles |             |             |             |             |             |             |             |             |             |
|-----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                 | <u>60.0</u>       | <u>62.5</u> | <u>65.0</u> | <u>67.5</u> | <u>70.0</u> | <u>72.5</u> | <u>75.0</u> | <u>77.5</u> | <u>80.0</u> | <u>82.5</u> |
| 90.0            | 0                 | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| 87.5            | 0                 | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| 85.0            | 0                 | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| 82.5            | 0                 | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| 80.0            | 1                 | 1           | 1           | 1           | 0           | 0           | 0           | 0           | 0           | 0           |
| 77.5            | 1                 | 1           | 1           | 1           | 1           | 0           | 0           | 0           | 0           | 0           |
| 75.0            | 1                 | 1           | 1           | 1           | 1           | 1           | 1           | 0           | 0           | 0           |
| 72.5            | 1                 | 1           | 1           | 1           | 1           | 1           | 1           | 0           | 0           | 0           |
| 70.0            | 2                 | 2           | 1           | 1           | 1           | 1           | 1           | 1           | 0           | 0           |
| 67.5            | 2                 | 2           | 2           | 1           | 1           | 1           | 1           | 1           | 1           | 0           |
| 65.0            | 3                 | 3           | 2           | 2           | 1           | 1           | 1           | 1           | 1           | 0           |
| 62.5            | 3                 | 3           | 3           | 2           | 2           | 1           | 1           | 1           | 1           | 0           |
| 60.0            | 4                 | 3           | 3           | 2           | 2           | 1           | 1           | 1           | 1           | 0           |
| 57.5            | 4                 | 4           | 3           | 3           | 2           | 2           | 1           | 1           | 1           | 1           |
| 55.0            | 5                 | 4           | 4           | 3           | 3           | 2           | 1           | 1           | 1           | 1           |
| 52.5            | 6                 | 5           | 4           | 3           | 3           | 2           | 2           | 1           | 1           | 1           |
| 50.0            | 7                 | 6           | 5           | 4           | 3           | 2           | 2           | 1           | 1           | 1           |
| 47.5            | 8                 | 7           | 5           | 4           | 3           | 3           | 2           | 1           | 1           | 1           |
| 45.0            | 9                 | 7           | 6           | 5           | 4           | 3           | 2           | 2           | 1           | 1           |
| 42.5            | 9                 | 8           | 7           | 5           | 4           | 3           | 2           | 2           | 1           | 1           |
| 40.0            | 10                | 9           | 7           | 6           | 4           | 3           | 3           | 2           | 1           | 1           |
| 37.5            | 10                | 9           | 8           | 6           | 5           | 4           | 3           | 2           | 1           | 1           |
| 35.0            | 11                | 10          | 8           | 7           | 5           | 4           | 3           | 2           | 1           | 1           |
| 32.5            | 11                | 10          | 9           | 7           | 5           | 4           | 3           | 2           | 1           | 1           |
| 30.0            | 11                | 10          | 9           | 7           | 6           | 4           | 3           | 2           | 1           | 1           |
| 27.5            | 12                | 11          | 10          | 8           | 6           | 4           | 3           | 2           | 2           | 1           |
| 25.0            | 12                | 11          | 10          | 8           | 6           | 5           | 3           | 3           | 2           | 1           |
| 22.5            | 12                | 11          | 10          | 9           | 7           | 5           | 4           | 3           | 2           | 1           |
| 20.0            | 12                | 11          | 10          | 9           | 7           | 5           | 4           | 3           | 2           | 1           |
| 17.5            | 12                | 11          | 11          | 9           | 7           | 5           | 4           | 3           | 2           | 1           |
| 15.0            | 12                | 12          | 11          | 9           | 7           | 6           | 4           | 3           | 2           | 1           |
| 12.5            | 12                | 12          | 11          | 10          | 8           | 6           | 4           | 3           | 2           | 1           |

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

CANDELA TABULATION - (Cont.)

|       |    |    |    |    |   |   |   |   |   |   |
|-------|----|----|----|----|---|---|---|---|---|---|
| 10.0  | 12 | 12 | 11 | 10 | 8 | 6 | 4 | 3 | 2 | 1 |
| 7.5   | 12 | 12 | 11 | 10 | 8 | 6 | 4 | 3 | 2 | 1 |
| 5.0   | 12 | 12 | 11 | 10 | 8 | 6 | 4 | 3 | 2 | 1 |
| 2.5   | 12 | 12 | 11 | 10 | 8 | 6 | 4 | 3 | 2 | 1 |
| 0.0   | 12 | 12 | 11 | 10 | 8 | 6 | 4 | 3 | 2 | 1 |
| -2.5  | 12 | 12 | 11 | 10 | 8 | 6 | 4 | 3 | 2 | 1 |
| -5.0  | 12 | 12 | 11 | 10 | 8 | 6 | 4 | 3 | 2 | 1 |
| -7.5  | 12 | 12 | 11 | 10 | 8 | 6 | 4 | 3 | 2 | 1 |
| -10.0 | 12 | 12 | 11 | 10 | 8 | 6 | 4 | 3 | 2 | 1 |
| -12.5 | 12 | 12 | 11 | 10 | 8 | 6 | 4 | 3 | 2 | 1 |
| -15.0 | 12 | 12 | 11 | 9  | 7 | 6 | 4 | 3 | 2 | 1 |
| -17.5 | 12 | 11 | 11 | 9  | 7 | 5 | 4 | 3 | 2 | 1 |
| -20.0 | 12 | 11 | 10 | 9  | 7 | 5 | 4 | 3 | 2 | 1 |
| -22.5 | 12 | 11 | 10 | 9  | 7 | 5 | 4 | 3 | 2 | 1 |
| -25.0 | 12 | 11 | 10 | 8  | 6 | 5 | 3 | 3 | 2 | 1 |
| -27.5 | 12 | 11 | 10 | 8  | 6 | 4 | 3 | 2 | 2 | 1 |
| -30.0 | 11 | 10 | 9  | 7  | 6 | 4 | 3 | 2 | 1 | 1 |
| -32.5 | 11 | 10 | 9  | 7  | 5 | 4 | 3 | 2 | 1 | 1 |
| -35.0 | 11 | 10 | 8  | 7  | 5 | 4 | 3 | 2 | 1 | 1 |
| -37.5 | 10 | 9  | 8  | 6  | 5 | 4 | 3 | 2 | 1 | 1 |
| -40.0 | 10 | 9  | 7  | 6  | 4 | 3 | 3 | 2 | 1 | 1 |
| -42.5 | 9  | 8  | 7  | 5  | 4 | 3 | 2 | 2 | 1 | 1 |
| -45.0 | 9  | 7  | 6  | 5  | 4 | 3 | 2 | 2 | 1 | 1 |
| -47.5 | 8  | 7  | 5  | 4  | 3 | 3 | 2 | 1 | 1 | 1 |
| -50.0 | 7  | 6  | 5  | 4  | 3 | 2 | 2 | 1 | 1 | 1 |
| -52.5 | 6  | 5  | 4  | 3  | 3 | 2 | 2 | 1 | 1 | 1 |
| -55.0 | 5  | 4  | 4  | 3  | 3 | 2 | 1 | 1 | 1 | 1 |
| -57.5 | 4  | 4  | 3  | 3  | 2 | 2 | 1 | 1 | 1 | 1 |
| -60.0 | 4  | 3  | 3  | 2  | 2 | 1 | 1 | 1 | 1 | 0 |
| -62.5 | 3  | 3  | 3  | 2  | 2 | 1 | 1 | 1 | 1 | 0 |
| -65.0 | 3  | 3  | 2  | 2  | 1 | 1 | 1 | 1 | 1 | 0 |
| -67.5 | 2  | 2  | 2  | 1  | 1 | 1 | 1 | 1 | 1 | 0 |
| -70.0 | 2  | 2  | 1  | 1  | 1 | 1 | 1 | 1 | 0 | 0 |
| -72.5 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| -75.0 | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 0 | 0 | 0 |
| -77.5 | 1  | 1  | 1  | 1  | 1 | 0 | 0 | 0 | 0 | 0 |
| -80.0 | 1  | 1  | 1  | 1  | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5 | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| -85.0 | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5 | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| -90.0 | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 |

Vert. Horizontal Angles  
Angles

|      | <u>85.0</u> | <u>87.5</u> | <u>90.0</u> |
|------|-------------|-------------|-------------|
| 90.0 | 0           | 0           | 0           |
| 87.5 | 0           | 0           | 0           |
| 85.0 | 0           | 0           | 0           |
| 82.5 | 0           | 0           | 0           |
| 80.0 | 0           | 0           | 0           |
| 77.5 | 0           | 0           | 0           |
| 75.0 | 0           | 0           | 0           |
| 72.5 | 0           | 0           | 0           |
| 70.0 | 0           | 0           | 0           |
| 67.5 | 0           | 0           | 0           |
| 65.0 | 0           | 0           | 0           |

IES FLOOD REPORT  
 PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

CANDELA TABULATION - (Cont.)

|       |   |   |   |
|-------|---|---|---|
| 62.5  | 0 | 0 | 0 |
| 60.0  | 0 | 0 | 0 |
| 57.5  | 0 | 0 | 0 |
| 55.0  | 0 | 0 | 0 |
| 52.5  | 0 | 0 | 0 |
| 50.0  | 0 | 0 | 0 |
| 47.5  | 0 | 0 | 0 |
| 45.0  | 0 | 0 | 0 |
| 42.5  | 0 | 0 | 0 |
| 40.0  | 1 | 0 | 0 |
| 37.5  | 1 | 0 | 0 |
| 35.0  | 1 | 0 | 0 |
| 32.5  | 1 | 0 | 0 |
| 30.0  | 1 | 0 | 0 |
| 27.5  | 1 | 0 | 0 |
| 25.0  | 1 | 0 | 0 |
| 22.5  | 1 | 0 | 0 |
| 20.0  | 1 | 0 | 0 |
| 17.5  | 1 | 0 | 0 |
| 15.0  | 1 | 0 | 0 |
| 12.5  | 1 | 0 | 0 |
| 10.0  | 1 | 0 | 0 |
| 7.5   | 1 | 0 | 0 |
| 5.0   | 1 | 0 | 0 |
| 2.5   | 1 | 0 | 0 |
| 0.0   | 1 | 0 | 0 |
| -2.5  | 1 | 0 | 0 |
| -5.0  | 1 | 0 | 0 |
| -7.5  | 1 | 0 | 0 |
| -10.0 | 1 | 0 | 0 |
| -12.5 | 1 | 0 | 0 |
| -15.0 | 1 | 0 | 0 |
| -17.5 | 1 | 0 | 0 |
| -20.0 | 1 | 0 | 0 |
| -22.5 | 1 | 0 | 0 |
| -25.0 | 1 | 0 | 0 |
| -27.5 | 1 | 0 | 0 |
| -30.0 | 1 | 0 | 0 |
| -32.5 | 1 | 0 | 0 |
| -35.0 | 1 | 0 | 0 |
| -37.5 | 1 | 0 | 0 |
| -40.0 | 1 | 0 | 0 |
| -42.5 | 0 | 0 | 0 |
| -45.0 | 0 | 0 | 0 |
| -47.5 | 0 | 0 | 0 |
| -50.0 | 0 | 0 | 0 |
| -52.5 | 0 | 0 | 0 |
| -55.0 | 0 | 0 | 0 |
| -57.5 | 0 | 0 | 0 |
| -60.0 | 0 | 0 | 0 |
| -62.5 | 0 | 0 | 0 |
| -65.0 | 0 | 0 | 0 |
| -67.5 | 0 | 0 | 0 |
| -70.0 | 0 | 0 | 0 |
| -72.5 | 0 | 0 | 0 |
| -75.0 | 0 | 0 | 0 |

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

CANDELA TABULATION - (Cont.)

|       |   |   |   |
|-------|---|---|---|
| -77.5 | 0 | 0 | 0 |
| -80.0 | 0 | 0 | 0 |
| -82.5 | 0 | 0 | 0 |
| -85.0 | 0 | 0 | 0 |
| -87.5 | 0 | 0 | 0 |
| -90.0 | 0 | 0 | 0 |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 109.52

Total Field Lumens (one side of beam only) = 80.65

\* Indicates Values Inside Field Edge

| Vert.<br>Angles | Horizontal Angles |            |          |            |           |             |           |             |           |             |
|-----------------|-------------------|------------|----------|------------|-----------|-------------|-----------|-------------|-----------|-------------|
|                 | <u>0</u>          | <u>2.5</u> | <u>5</u> | <u>7.5</u> | <u>10</u> | <u>12.5</u> | <u>15</u> | <u>17.5</u> | <u>20</u> | <u>22.5</u> |
| 90              |                   |            |          |            |           |             |           |             |           |             |
| 87.5            | 0.00              | 0.00       | 0.00     | 0.00       | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        |
| 85              | 0.00              | 0.00       | 0.00     | 0.00       | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        |
| 82.5            | 0.00              | 0.00       | 0.00     | 0.00       | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        |
| 80              | 0.00              | 0.00       | 0.00     | 0.00       | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        |
| 77.5            | 0.01              | 0.01       | 0.01     | 0.01       | 0.01      | 0.01        | 0.01      | 0.01        | 0.01      | 0.01        |
| 75              | 0.01              | 0.01       | 0.01     | 0.01       | 0.01      | 0.01        | 0.01      | 0.01        | 0.01      | 0.01        |
| 72.5            | 0.01              | 0.01       | 0.01     | 0.01       | 0.01      | 0.01        | 0.01      | 0.01        | 0.01      | 0.01        |
| 70              | 0.02              | 0.02       | 0.02     | 0.02       | 0.02      | 0.02        | 0.01      | 0.01        | 0.01      | 0.01        |
| 67.5            | 0.02              | 0.02       | 0.02     | 0.02       | 0.02      | 0.02        | 0.02      | 0.02        | 0.02      | 0.02        |
| 65              | 0.02              | 0.02       | 0.02     | 0.02       | 0.02      | 0.02        | 0.02      | 0.02        | 0.02      | 0.02        |
| 62.5            | 0.02              | 0.02       | 0.02     | 0.02       | 0.02      | 0.02        | 0.02      | 0.02        | 0.02      | 0.02        |
| 60              | 0.02              | 0.02       | 0.02     | 0.02       | 0.02      | 0.02        | 0.02      | 0.02        | 0.02      | 0.02        |
| 57.5            | 0.03              | 0.03       | 0.03     | 0.03       | 0.03      | 0.02        | 0.02      | 0.02        | 0.02      | 0.02        |
| 55              | 0.03              | 0.03       | 0.03     | 0.03       | 0.03      | 0.03        | 0.02      | 0.02        | 0.02      | 0.02        |
| 52.5            | 0.03              | 0.03       | 0.03     | 0.03       | 0.03      | 0.03        | 0.03      | 0.03        | 0.03      | 0.02        |
| 50              | 0.03              | 0.03       | 0.03     | 0.03       | 0.03      | 0.03        | 0.03      | 0.03        | 0.03      | 0.03        |
| 47.5            | 0.03              | 0.03       | 0.03     | 0.03       | 0.03      | 0.03        | 0.03      | 0.03        | 0.03      | 0.03        |
| 45              | 0.04              | 0.04       | 0.04     | 0.04       | 0.04      | 0.03        | 0.03      | 0.03        | 0.03      | 0.03        |
| 42.5            | 0.05              | 0.05       | 0.04     | 0.04       | 0.04      | 0.04        | 0.04      | 0.04        | 0.03      | 0.03        |
| 40              | 0.05              | 0.05       | 0.05     | 0.05       | 0.05      | 0.05        | 0.04      | 0.04        | 0.04      | 0.03        |
| 37.5            | 0.07              | 0.07       | 0.06     | 0.06       | 0.06      | 0.05        | 0.05      | 0.05        | 0.04      | 0.04        |
| 35              | 0.08 *            | 0.08       | 0.08     | 0.08       | 0.07      | 0.07        | 0.06      | 0.05        | 0.05      | 0.04        |
| 32.5            | 0.11 *            | 0.10 *     | 0.10 *   | 0.10 *     | 0.09 *    | 0.08 *      | 0.07      | 0.06        | 0.06      | 0.05        |



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**LUMENS TABULATION - (Cont.)**

|              |        |        |        |        |        |        |        |        |        |        |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>30</b>    |        |        |        |        |        |        |        |        |        |        |
|              | 0.13 * | 0.13 * | 0.13 * | 0.12 * | 0.11 * | 0.10 * | 0.09 * | 0.08   | 0.07   | 0.06   |
| <b>27.5</b>  |        |        |        |        |        |        |        |        |        |        |
|              | 0.17 * | 0.17 * | 0.16 * | 0.15 * | 0.14 * | 0.12 * | 0.11 * | 0.09 * | 0.08 * | 0.07   |
| <b>25</b>    |        |        |        |        |        |        |        |        |        |        |
|              | 0.22 * | 0.21 * | 0.20 * | 0.19 * | 0.17 * | 0.15 * | 0.13 * | 0.11 * | 0.10 * | 0.08 * |
| <b>22.5</b>  |        |        |        |        |        |        |        |        |        |        |
|              | 0.27 * | 0.27 * | 0.25 * | 0.23 * | 0.21 * | 0.19 * | 0.16 * | 0.14 * | 0.11 * | 0.10 * |
| <b>20</b>    |        |        |        |        |        |        |        |        |        |        |
|              | 0.34 * | 0.33 * | 0.31 * | 0.29 * | 0.26 * | 0.23 * | 0.19 * | 0.16 * | 0.13 * | 0.11 * |
| <b>17.5</b>  |        |        |        |        |        |        |        |        |        |        |
|              | 0.42 * | 0.40 * | 0.38 * | 0.35 * | 0.31 * | 0.27 * | 0.23 * | 0.19 * | 0.16 * | 0.13 * |
| <b>15</b>    |        |        |        |        |        |        |        |        |        |        |
|              | 0.50 * | 0.49 * | 0.45 * | 0.41 * | 0.37 * | 0.32 * | 0.27 * | 0.22 * | 0.18 * | 0.14 * |
| <b>12.5</b>  |        |        |        |        |        |        |        |        |        |        |
|              | 0.59 * | 0.57 * | 0.53 * | 0.48 * | 0.42 * | 0.36 * | 0.30 * | 0.25 * | 0.20 * | 0.16 * |
| <b>10</b>    |        |        |        |        |        |        |        |        |        |        |
|              | 0.67 * | 0.64 * | 0.60 * | 0.54 * | 0.48 * | 0.41 * | 0.34 * | 0.28 * | 0.22 * | 0.17 * |
| <b>7.5</b>   |        |        |        |        |        |        |        |        |        |        |
|              | 0.74 * | 0.71 * | 0.66 * | 0.60 * | 0.52 * | 0.44 * | 0.37 * | 0.30 * | 0.24 * | 0.19 * |
| <b>5</b>     |        |        |        |        |        |        |        |        |        |        |
|              | 0.79 * | 0.76 * | 0.71 * | 0.64 * | 0.56 * | 0.47 * | 0.39 * | 0.31 * | 0.25 * | 0.19 * |
| <b>2.5</b>   |        |        |        |        |        |        |        |        |        |        |
|              | 0.81 * | 0.78 * | 0.73 * | 0.66 * | 0.58 * | 0.49 * | 0.40 * | 0.32 * | 0.26 * | 0.20 * |
| <b>0</b>     |        |        |        |        |        |        |        |        |        |        |
|              | 0.81 * | 0.78 * | 0.73 * | 0.66 * | 0.58 * | 0.49 * | 0.40 * | 0.32 * | 0.26 * | 0.20 * |
| <b>-2.5</b>  |        |        |        |        |        |        |        |        |        |        |
|              | 0.79 * | 0.76 * | 0.71 * | 0.64 * | 0.56 * | 0.47 * | 0.39 * | 0.31 * | 0.25 * | 0.19 * |
| <b>-5</b>    |        |        |        |        |        |        |        |        |        |        |
|              | 0.74 * | 0.71 * | 0.66 * | 0.60 * | 0.52 * | 0.44 * | 0.37 * | 0.30 * | 0.24 * | 0.19 * |
| <b>-7.5</b>  |        |        |        |        |        |        |        |        |        |        |
|              | 0.67 * | 0.64 * | 0.60 * | 0.54 * | 0.48 * | 0.41 * | 0.34 * | 0.28 * | 0.22 * | 0.17 * |
| <b>-10</b>   |        |        |        |        |        |        |        |        |        |        |
|              | 0.59 * | 0.57 * | 0.53 * | 0.48 * | 0.42 * | 0.36 * | 0.30 * | 0.25 * | 0.20 * | 0.16 * |
| <b>-12.5</b> |        |        |        |        |        |        |        |        |        |        |
|              | 0.50 * | 0.49 * | 0.45 * | 0.41 * | 0.37 * | 0.32 * | 0.27 * | 0.22 * | 0.18 * | 0.14 * |
| <b>-15</b>   |        |        |        |        |        |        |        |        |        |        |
|              | 0.42 * | 0.40 * | 0.38 * | 0.35 * | 0.31 * | 0.27 * | 0.23 * | 0.19 * | 0.16 * | 0.13 * |
| <b>-17.5</b> |        |        |        |        |        |        |        |        |        |        |
|              | 0.34 * | 0.33 * | 0.31 * | 0.29 * | 0.26 * | 0.23 * | 0.19 * | 0.16 * | 0.13 * | 0.11 * |
| <b>-20</b>   |        |        |        |        |        |        |        |        |        |        |
|              | 0.27 * | 0.27 * | 0.25 * | 0.23 * | 0.21 * | 0.19 * | 0.16 * | 0.14 * | 0.11 * | 0.10 * |
| <b>-22.5</b> |        |        |        |        |        |        |        |        |        |        |
|              | 0.22 * | 0.21 * | 0.20 * | 0.19 * | 0.17 * | 0.15 * | 0.13 * | 0.11 * | 0.10 * | 0.08 * |
| <b>-25</b>   |        |        |        |        |        |        |        |        |        |        |
|              | 0.17 * | 0.17 * | 0.16 * | 0.15 * | 0.14 * | 0.12 * | 0.11 * | 0.09 * | 0.08 * | 0.07   |
| <b>-27.5</b> |        |        |        |        |        |        |        |        |        |        |
|              | 0.13 * | 0.13 * | 0.13 * | 0.12 * | 0.11 * | 0.10 * | 0.09 * | 0.08   | 0.07   | 0.06   |
| <b>-30</b>   |        |        |        |        |        |        |        |        |        |        |
|              | 0.11 * | 0.10 * | 0.10 * | 0.10 * | 0.09 * | 0.08 * | 0.07   | 0.06   | 0.06   | 0.05   |
| <b>-32.5</b> |        |        |        |        |        |        |        |        |        |        |
|              | 0.08 * | 0.08   | 0.08   | 0.08   | 0.07   | 0.07   | 0.06   | 0.05   | 0.05   | 0.04   |
| <b>-35</b>   |        |        |        |        |        |        |        |        |        |        |
|              | 0.07   | 0.07   | 0.06   | 0.06   | 0.06   | 0.05   | 0.05   | 0.05   | 0.04   | 0.04   |
| <b>-37.5</b> |        |        |        |        |        |        |        |        |        |        |
|              | 0.05   | 0.05   | 0.05   | 0.05   | 0.05   | 0.05   | 0.04   | 0.04   | 0.04   | 0.03   |

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

LUMENS TABULATION - (Cont.)

|       |       |       |       |       |      |      |      |      |      |      |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| -40   | 0.05  | 0.05  | 0.04  | 0.04  | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 |
| -42.5 | 0.04  | 0.04  | 0.04  | 0.04  | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| -45   | 0.03  | 0.03  | 0.03  | 0.03  | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| -47.5 | 0.03  | 0.03  | 0.03  | 0.03  | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| -50   | 0.03  | 0.03  | 0.03  | 0.03  | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 |
| -52.5 | 0.03  | 0.03  | 0.03  | 0.03  | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 |
| -55   | 0.03  | 0.03  | 0.03  | 0.03  | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| -57.5 | 0.02  | 0.02  | 0.02  | 0.02  | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| -60   | 0.02  | 0.02  | 0.02  | 0.02  | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| -62.5 | 0.02  | 0.02  | 0.02  | 0.02  | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| -65   | 0.02  | 0.02  | 0.02  | 0.02  | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| -67.5 | 0.02  | 0.02  | 0.02  | 0.02  | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| -70   | 0.01  | 0.01  | 0.01  | 0.01  | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| -72.5 | 0.01  | 0.01  | 0.01  | 0.01  | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| -75   | 0.01  | 0.01  | 0.01  | 0.01  | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| -77.5 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -80   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -82.5 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -85   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -87.5 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -90   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 12.66 | 12.29 | 11.59 | 10.63 | 9.50 | 8.29 | 7.08 | 5.98 | 4.99 | 4.13 |

| Vert.<br>Angles | Horizontal Angles |             |           |             |           |             |           |             |           |             |
|-----------------|-------------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
|                 | <u>25</u>         | <u>27.5</u> | <u>30</u> | <u>32.5</u> | <u>35</u> | <u>37.5</u> | <u>40</u> | <u>42.5</u> | <u>45</u> | <u>47.5</u> |
| 90              | 0.00              | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        |
| 87.5            | 0.00              | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        |
| 85              | 0.00              | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        |
| 82.5            | 0.00              | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        |
| 80              | 0.00              | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**LUMENS TABULATION - (Cont.)**

|             |        |        |        |      |      |      |      |      |      |      |
|-------------|--------|--------|--------|------|------|------|------|------|------|------|
| <b>77.5</b> | 0.00   | 0.00   | 0.00   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>75</b>   | 0.01   | 0.01   | 0.01   | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>72.5</b> | 0.01   | 0.01   | 0.01   | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>70</b>   | 0.01   | 0.01   | 0.01   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 |
| <b>67.5</b> | 0.02   | 0.01   | 0.01   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| <b>65</b>   | 0.02   | 0.02   | 0.02   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| <b>62.5</b> | 0.02   | 0.02   | 0.02   | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| <b>60</b>   | 0.02   | 0.02   | 0.02   | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| <b>57.5</b> | 0.02   | 0.02   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |
| <b>55</b>   | 0.02   | 0.02   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 |
| <b>52.5</b> | 0.02   | 0.02   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 |
| <b>50</b>   | 0.02   | 0.02   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 |
| <b>47.5</b> | 0.03   | 0.03   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 |
| <b>45</b>   | 0.03   | 0.03   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>42.5</b> | 0.03   | 0.03   | 0.03   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>40</b>   | 0.03   | 0.03   | 0.03   | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>37.5</b> | 0.04   | 0.03   | 0.03   | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>35</b>   | 0.04   | 0.04   | 0.03   | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>32.5</b> | 0.04   | 0.04   | 0.03   | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>30</b>   | 0.05   | 0.04   | 0.04   | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>27.5</b> | 0.06   | 0.05   | 0.04   | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>25</b>   | 0.07   | 0.06   | 0.05   | 0.04 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 |
| <b>22.5</b> | 0.08 * | 0.06   | 0.05   | 0.04 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 |
| <b>20</b>   | 0.09 * | 0.07   | 0.06   | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 |
| <b>17.5</b> | 0.10 * | 0.08 * | 0.07   | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 |
| <b>15</b>   | 0.11 * | 0.09 * | 0.07 * | 0.06 | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |
| <b>12.5</b> | 0.12 * | 0.10 * | 0.08 * | 0.06 | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |
| <b>10</b>   | 0.14 * | 0.11 * | 0.08 * | 0.06 | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**LUMENS TABULATION - (Cont.)**

|              |        |        |        |        |      |      |      |      |      |      |
|--------------|--------|--------|--------|--------|------|------|------|------|------|------|
| <b>7.5</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.14 * | 0.11 * | 0.09 * | 0.07   | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |
| <b>5</b>     |        |        |        |        |      |      |      |      |      |      |
|              | 0.15 * | 0.12 * | 0.09 * | 0.07   | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |
| <b>2.5</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.15 * | 0.12 * | 0.09 * | 0.07 * | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |
| <b>0</b>     |        |        |        |        |      |      |      |      |      |      |
|              | 0.15 * | 0.12 * | 0.09 * | 0.07 * | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |
| <b>-2.5</b>  |        |        |        |        |      |      |      |      |      |      |
|              | 0.15 * | 0.12 * | 0.09 * | 0.07   | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |
| <b>-5</b>    |        |        |        |        |      |      |      |      |      |      |
|              | 0.14 * | 0.11 * | 0.09 * | 0.07   | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |
| <b>-7.5</b>  |        |        |        |        |      |      |      |      |      |      |
|              | 0.14 * | 0.11 * | 0.08 * | 0.06   | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |
| <b>-10</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.12 * | 0.10 * | 0.08 * | 0.06   | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |
| <b>-12.5</b> |        |        |        |        |      |      |      |      |      |      |
|              | 0.11 * | 0.09 * | 0.07 * | 0.06   | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 |
| <b>-15</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.10 * | 0.08 * | 0.07   | 0.05   | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 |
| <b>-17.5</b> |        |        |        |        |      |      |      |      |      |      |
|              | 0.09 * | 0.07   | 0.06   | 0.05   | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 |
| <b>-20</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.08 * | 0.06   | 0.05   | 0.04   | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 |
| <b>-22.5</b> |        |        |        |        |      |      |      |      |      |      |
|              | 0.07   | 0.06   | 0.05   | 0.04   | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 |
| <b>-25</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.06   | 0.05   | 0.04   | 0.04   | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>-27.5</b> |        |        |        |        |      |      |      |      |      |      |
|              | 0.05   | 0.04   | 0.04   | 0.03   | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>-30</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.04   | 0.04   | 0.03   | 0.03   | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>-32.5</b> |        |        |        |        |      |      |      |      |      |      |
|              | 0.04   | 0.04   | 0.03   | 0.03   | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>-35</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.04   | 0.03   | 0.03   | 0.03   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>-37.5</b> |        |        |        |        |      |      |      |      |      |      |
|              | 0.03   | 0.03   | 0.03   | 0.03   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>-40</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.03   | 0.03   | 0.03   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>-42.5</b> |        |        |        |        |      |      |      |      |      |      |
|              | 0.03   | 0.03   | 0.02   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| <b>-45</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.03   | 0.03   | 0.02   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 |
| <b>-47.5</b> |        |        |        |        |      |      |      |      |      |      |
|              | 0.02   | 0.02   | 0.02   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 |
| <b>-50</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.02   | 0.02   | 0.02   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 |
| <b>-52.5</b> |        |        |        |        |      |      |      |      |      |      |
|              | 0.02   | 0.02   | 0.02   | 0.02   | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 |
| <b>-55</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.02   | 0.02   | 0.02   | 0.02   | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |
| <b>-57.5</b> |        |        |        |        |      |      |      |      |      |      |
|              | 0.02   | 0.02   | 0.02   | 0.02   | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| <b>-60</b>   |        |        |        |        |      |      |      |      |      |      |
|              | 0.02   | 0.02   | 0.02   | 0.02   | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES

LUMENS TABULATION - (Cont.)

|              |      |      |      |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|------|------|------|
| <b>-62.5</b> | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| <b>-65</b>   | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| <b>-67.5</b> | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 |
| <b>-70</b>   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>-72.5</b> | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-75</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-77.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-80</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-82.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-85</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-87.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-90</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>Total</b> | 3.41 | 2.83 | 2.36 | 1.99 | 1.70 | 1.46 | 1.27 | 1.12 | 1.00 | 0.89 |

| Vert.<br>Angles | Horizontal Angles |           |             |           |             |           |             |           |             |      |
|-----------------|-------------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|------|
| <u>50</u>       | <u>52.5</u>       | <u>55</u> | <u>57.5</u> | <u>60</u> | <u>62.5</u> | <u>65</u> | <u>67.5</u> | <u>70</u> | <u>72.5</u> |      |
| <b>90</b>       | 0.00              | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>87.5</b>     | 0.00              | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>85</b>       | 0.00              | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>82.5</b>     | 0.00              | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>80</b>       | 0.00              | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>77.5</b>     | 0.00              | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>75</b>       | 0.00              | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>72.5</b>     | 0.00              | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>70</b>       | 0.00              | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>67.5</b>     | 0.00              | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>65</b>       | 0.01              | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>62.5</b>     | 0.01              | 0.01      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>60</b>       | 0.01              | 0.01      | 0.01        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |
| <b>57.5</b>     | 0.01              | 0.01      | 0.01        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00      | 0.00        | 0.00 |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**LUMENS TABULATION - (Cont.)**

|              |      |      |      |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|------|------|------|
| <b>55</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>52.5</b>  |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>50</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>47.5</b>  |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>45</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>42.5</b>  |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>40</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>37.5</b>  |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>35</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>32.5</b>  |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>30</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>27.5</b>  |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>25</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>22.5</b>  |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>20</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>17.5</b>  |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>15</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>12.5</b>  |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>10</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>7.5</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>5</b>     |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>2.5</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>0</b>     |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>-2.5</b>  |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>-5</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>-7.5</b>  |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>-10</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>-12.5</b> |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**LUMENS TABULATION - (Cont.)**

|              |      |      |      |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|------|------|------|
| <b>-15</b>   | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>-17.5</b> | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>-20</b>   | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>-22.5</b> | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>-25</b>   | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>-27.5</b> | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>-30</b>   | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>-32.5</b> | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>-35</b>   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>-37.5</b> | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>-40</b>   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-42.5</b> | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-45</b>   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-47.5</b> | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-50</b>   | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-52.5</b> | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-55</b>   | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-57.5</b> | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-60</b>   | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-62.5</b> | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-65</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-67.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-70</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-72.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-75</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-77.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-80</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-82.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**LUMENS TABULATION - (Cont.)**

|              |      |      |      |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|------|------|------|
| <b>-85</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-87.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-90</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>Total</b> | 0.79 | 0.70 | 0.61 | 0.53 | 0.45 | 0.38 | 0.30 | 0.22 | 0.15 | 0.10 |

| <b>Vert.<br/>Angles</b> | <b>Horizontal Angles</b> |                    |                  |                    |                  |                    |                  |                     |
|-------------------------|--------------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|---------------------|
|                         | <b><u>75</u></b>         | <b><u>77.5</u></b> | <b><u>80</u></b> | <b><u>82.5</u></b> | <b><u>85</u></b> | <b><u>87.5</u></b> | <b><u>90</u></b> | <b><u>Total</u></b> |
| <b>90</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.00                |
| <b>87.5</b>             | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.01                |
| <b>85</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.03                |
| <b>82.5</b>             | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.05                |
| <b>80</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.08                |
| <b>77.5</b>             | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.11                |
| <b>75</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.15                |
| <b>72.5</b>             | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.20                |
| <b>70</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.26                |
| <b>67.5</b>             | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.32                |
| <b>65</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.36                |
| <b>62.5</b>             | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.39                |
| <b>60</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.42                |
| <b>57.5</b>             | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.45                |
| <b>55</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.48                |
| <b>52.5</b>             | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.52                |
| <b>50</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.55                |
| <b>47.5</b>             | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.59                |
| <b>45</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.63                |
| <b>42.5</b>             | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.69                |
| <b>40</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.77                |
| <b>37.5</b>             | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 0.88                |
| <b>35</b>               | 0.00                     | 0.00               | 0.00             | 0.00               | 0.00             | 0.00               | 0.00             | 1.02                |



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**LUMENS TABULATION - (Cont.)**

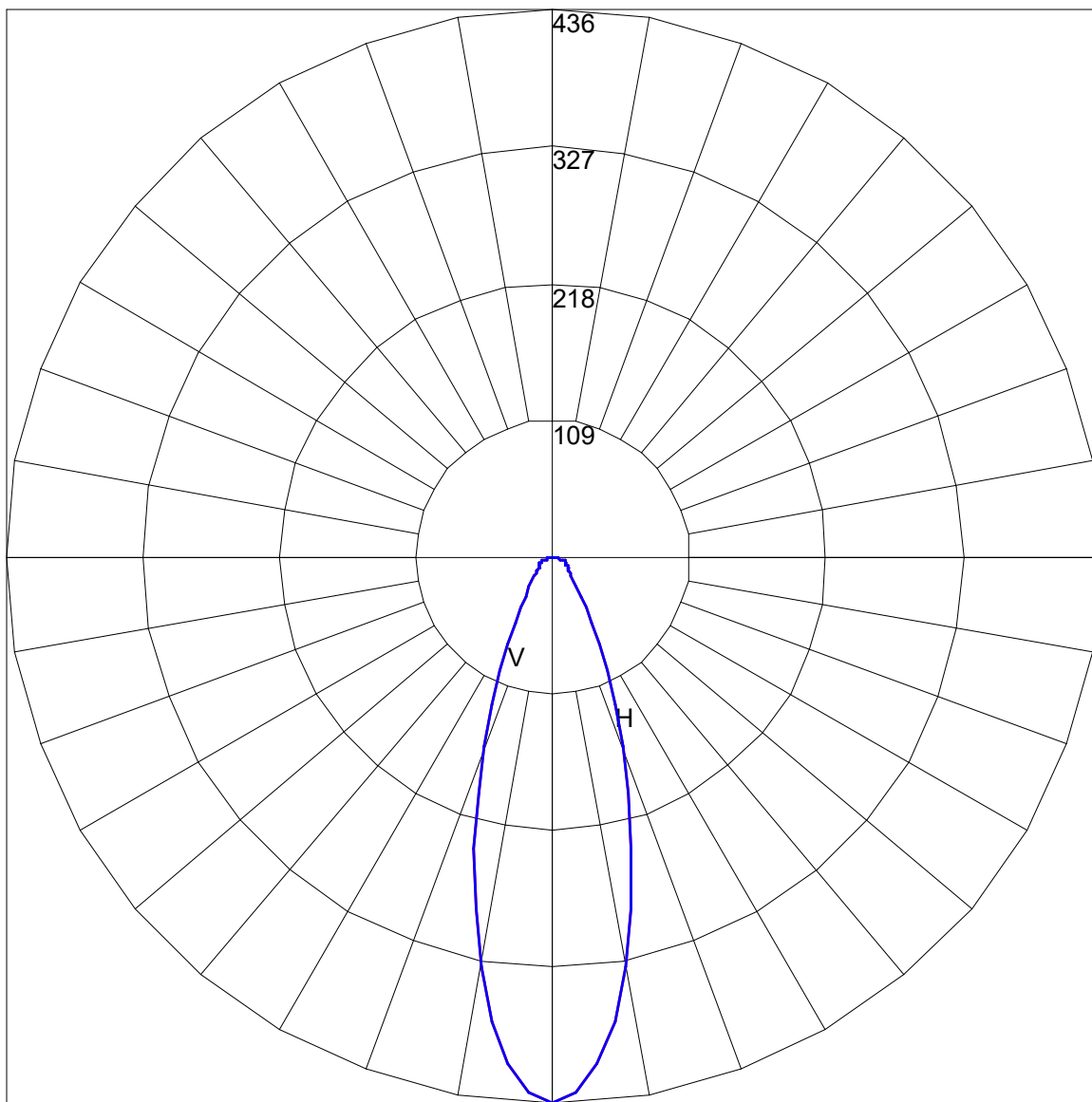
|              |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|
| <b>32.5</b>  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.19 |
| <b>30</b>    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 |
| <b>27.5</b>  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 |
| <b>25</b>    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 |
| <b>22.5</b>  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 |
| <b>20</b>    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.89 |
| <b>17.5</b>  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.41 |
| <b>15</b>    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.96 |
| <b>12.5</b>  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.52 |
| <b>10</b>    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.04 |
| <b>7.5</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.48 |
| <b>5</b>     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.80 |
| <b>2.5</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.97 |
| <b>0</b>     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.97 |
| <b>-2.5</b>  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.80 |
| <b>-5</b>    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.48 |
| <b>-7.5</b>  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.04 |
| <b>-10</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.52 |
| <b>-12.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.96 |
| <b>-15</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.41 |
| <b>-17.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.89 |
| <b>-20</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 |
| <b>-22.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 |
| <b>-25</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 |
| <b>-27.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 |
| <b>-30</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.19 |
| <b>-32.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 |
| <b>-35</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.88 |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : WLEC\_SINGLE\_LAMP.IES**

**LUMENS TABULATION - (Cont.)**

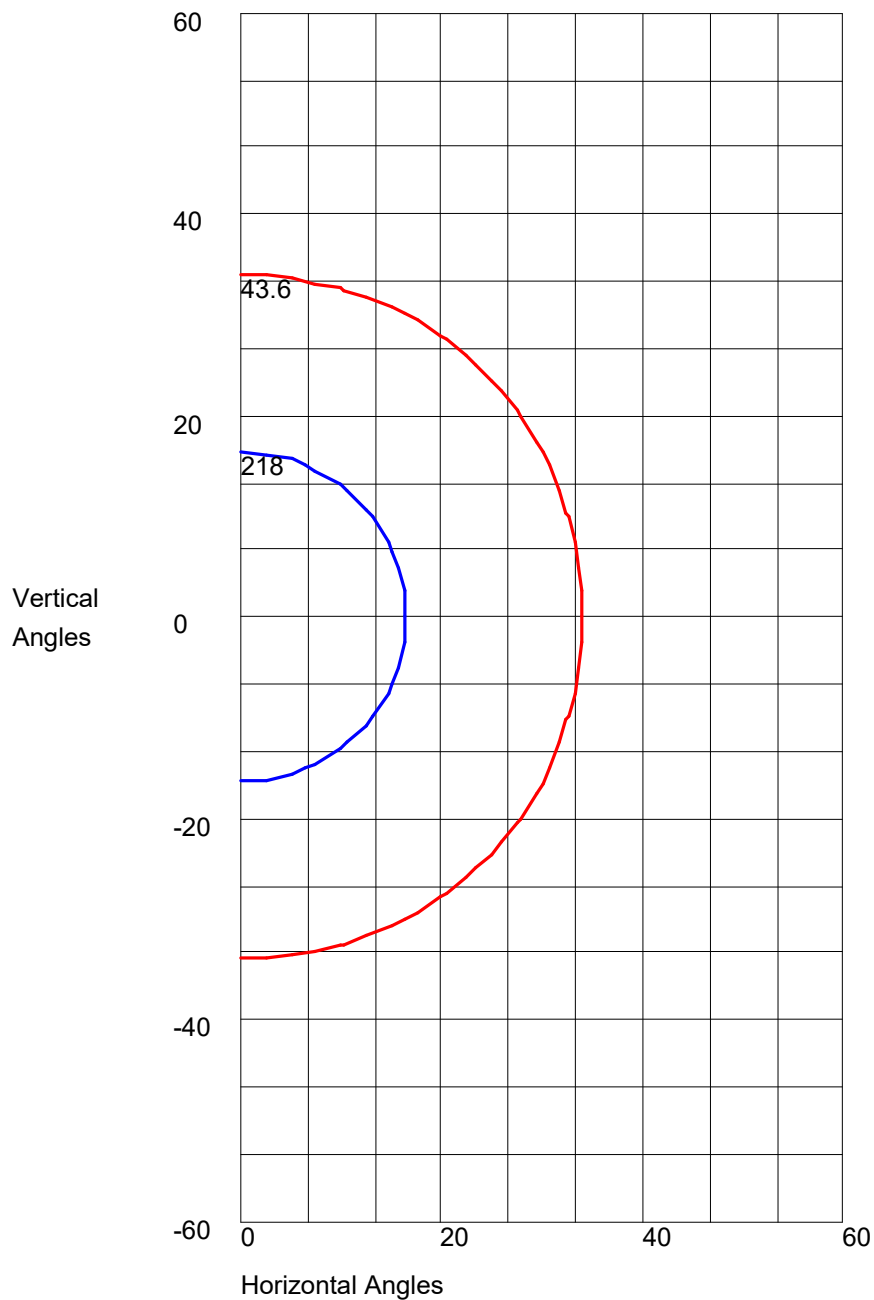
|              |      |      |      |      |      |      |        |
|--------------|------|------|------|------|------|------|--------|
| <b>-37.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77   |
| <b>-40</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69   |
| <b>-42.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63   |
| <b>-45</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59   |
| <b>-47.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55   |
| <b>-50</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52   |
| <b>-52.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48   |
| <b>-55</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45   |
| <b>-57.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42   |
| <b>-60</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39   |
| <b>-62.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36   |
| <b>-65</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32   |
| <b>-67.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26   |
| <b>-70</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20   |
| <b>-72.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15   |
| <b>-75</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11   |
| <b>-77.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08   |
| <b>-80</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05   |
| <b>-82.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03   |
| <b>-85</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01   |
| <b>-87.5</b> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00   |
| <b>-90</b>   |      |      |      |      |      |      |        |
| <b>Total</b> | 0.06 | 0.04 | 0.02 | 0.01 | 0.00 | 0.00 | 109.52 |

AXIAL CANDELA DISPLAY



Maximum Candela = 436 Located At Horizontal Angle = 0, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 436 Located At Horizontal Angle = 0, Vertical Angle = 0  
50% Maximum Candela = 218  
10% Maximum Candela = 43.6