



## IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12615

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 04/01/21

[TESTDATE] 03/17/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-24L-PC-NF-40-80-HGS

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

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

[OTHER] SCALED FROM ORIGINAL TEST DATA

[ SEARCH\_SOURCETYPE] LED

[ SEARCH\_APPLICATION] Outdoor

[ SEARCH\_COLORTEMP] 4000

Note: Candela values converted from Type-C to Type-B

### CHARACTERISTICS

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 3 H x 3 V       |
| Maximum Candela              | 81549           |
| Maximum Candela Angle        | 0H -5V          |
| Horizontal Beam Angle (50%)  | 26.0            |
| Vertical Beam Angle (50%)    | 28.4            |
| Horizontal Field Angle (10%) | 41.8            |
| Vertical Field Angle (10%)   | 45.0            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 11570           |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 17232           |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 4693            |
| Luminaire Lumens             | 21924           |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 200             |
| Ballast Factor               | 1.00            |



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**AXIAL CANDELA**

| DEG.  | HOR.  | DEG.  | VERT. |
|-------|-------|-------|-------|
| 90    | 0     | 90    | 0     |
| 85    | 6     | 85    | 30    |
| 75    | 50    | 75    | 368   |
| 65    | 263   | 65    | 820   |
| 55    | 496   | 55    | 1227  |
| 47.5  | 633   | 47.5  | 1240  |
| 42.5  | 750   | 42.5  | 1269  |
| 37.5  | 965   | 37.5  | 1345  |
| 33    | 1390  | 33    | 1848  |
| 29    | 2265  | 29    | 2987  |
| 25.5  | 3632  | 25.5  | 4961  |
| 22.5  | 5869  | 22.5  | 8098  |
| 19.5  | 11589 | 19.5  | 13813 |
| 17    | 20558 | 17    | 21938 |
| 15    | 30553 | 15    | 32021 |
| 13    | 42893 | 13    | 44274 |
| 11    | 54425 | 11    | 56354 |
| 9     | 63664 | 9     | 66289 |
| 7     | 69974 | 7     | 72983 |
| 5     | 73571 | 5     | 76224 |
| 3     | 76292 | 3     | 77305 |
| 1     | 77463 | 1     | 77705 |
| 0     | 77791 | 0     | 77791 |
| -1    | 77463 | -1    | 78591 |
| -3    | 76292 | -3    | 80143 |
| -5    | 73571 | -5    | 81549 |
| -7    | 69974 | -7    | 79334 |
| -9    | 63664 | -9    | 74228 |
| -11   | 54425 | -11   | 65577 |
| -13   | 42893 | -13   | 53604 |
| -15   | 30553 | -15   | 39410 |
| -17   | 20558 | -17   | 27288 |
| -19.5 | 11589 | -19.5 | 16107 |
| -22.5 | 5869  | -22.5 | 8206  |
| -25.5 | 3632  | -25.5 | 4783  |
| -29   | 2265  | -29   | 2777  |
| -33   | 1390  | -33   | 1581  |
| -37.5 | 965   | -37.5 | 1087  |
| -42.5 | 750   | -42.5 | 991   |
| -47.5 | 633   | -47.5 | 1019  |
| -55   | 496   | -55   | 803   |
| -65   | 263   | -65   | 344   |
| -75   | 50    | -75   | 13    |
| -85   | 6     | -85   | 10    |
| -90   | 0     | -90   | 0     |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**CANDELA TABULATION**

Maximum Candela = 81549

Beam Edge = 40774.5 Cd (50% of Max.)

Field Edge = 8154.9 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>-85.0</u></b> | <b><u>-75.0</u></b> | <b><u>-65.0</u></b> | <b><u>-55.0</u></b> | <b><u>-47.5</u></b> | <b><u>-42.5</u></b> | <b><u>-37.5</u></b> | <b><u>-33.0</u></b> | <b><u>-29.0</u></b> |
| <b>90.0</b>             | 0                        | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   |
| <b>85.0</b>             | 0                        | 1                   | 4                   | 11                  | 17                  | 21                  | 24                  | 28                  | 31                  | 31                  |
| <b>75.0</b>             | 0                        | 2                   | 8                   | 15                  | 40                  | 89                  | 141                 | 199                 | 244                 | 262                 |
| <b>65.0</b>             | 0                        | 3                   | 11                  | 37                  | 142                 | 266                 | 351                 | 441                 | 524                 | 573                 |
| <b>55.0</b>             | 0                        | 4                   | 16                  | 91                  | 273                 | 442                 | 569                 | 696                 | 821                 | 921                 |
| <b>47.5</b>             | 0                        | 5                   | 23                  | 137                 | 373                 | 591                 | 755                 | 873                 | 981                 | 1064                |
| <b>42.5</b>             | 0                        | 5                   | 30                  | 167                 | 439                 | 674                 | 839                 | 953                 | 1064                | 1137                |
| <b>37.5</b>             | 0                        | 6                   | 35                  | 195                 | 476                 | 716                 | 871                 | 985                 | 1069                | 1134                |
| <b>33.0</b>             | 0                        | 6                   | 39                  | 218                 | 500                 | 717                 | 854                 | 970                 | 1045                | 1141                |
| <b>29.0</b>             | 0                        | 6                   | 44                  | 236                 | 513                 | 707                 | 826                 | 937                 | 1048                | 1206                |
| <b>25.5</b>             | 0                        | 6                   | 47                  | 250                 | 516                 | 696                 | 798                 | 915                 | 1076                | 1309                |
| <b>22.5</b>             | 0                        | 6                   | 49                  | 257                 | 513                 | 680                 | 784                 | 901                 | 1104                | 1420                |
| <b>19.5</b>             | 0                        | 6                   | 51                  | 263                 | 517                 | 662                 | 772                 | 904                 | 1128                | 1535                |
| <b>17.0</b>             | 0                        | 6                   | 52                  | 267                 | 517                 | 646                 | 765                 | 914                 | 1168                | 1640                |
| <b>15.0</b>             | 0                        | 6                   | 52                  | 269                 | 516                 | 646                 | 760                 | 918                 | 1210                | 1710                |
| <b>13.0</b>             | 0                        | 6                   | 53                  | 269                 | 515                 | 646                 | 760                 | 930                 | 1240                | 1854                |
| <b>11.0</b>             | 0                        | 6                   | 53                  | 269                 | 512                 | 644                 | 762                 | 940                 | 1274                | 1957                |
| <b>9.0</b>              | 0                        | 6                   | 53                  | 270                 | 508                 | 643                 | 762                 | 952                 | 1314                | 2020                |
| <b>7.0</b>              | 0                        | 6                   | 53                  | 270                 | 504                 | 640                 | 759                 | 959                 | 1352                | 2115                |
| <b>5.0</b>              | 0                        | 6                   | 53                  | 269                 | 503                 | 637                 | 755                 | 963                 | 1377                | 2203                |
| <b>3.0</b>              | 0                        | 6                   | 52                  | 268                 | 502                 | 638                 | 756                 | 964                 | 1389                | 2243                |
| <b>1.0</b>              | 0                        | 6                   | 51                  | 265                 | 498                 | 635                 | 752                 | 967                 | 1393                | 2267                |
| <b>0.0</b>              | 0                        | 6                   | 50                  | 263                 | 496                 | 633                 | 750                 | 965                 | 1390                | 2265                |
| <b>-1.0</b>             | 0                        | 6                   | 50                  | 262                 | 495                 | 632                 | 750                 | 968                 | 1396                | 2277                |
| <b>-3.0</b>             | 0                        | 6                   | 49                  | 260                 | 494                 | 630                 | 751                 | 969                 | 1399                | 2273                |
| <b>-5.0</b>             | 0                        | 6                   | 48                  | 255                 | 490                 | 624                 | 746                 | 967                 | 1389                | 2244                |
| <b>-7.0</b>             | 0                        | 6                   | 47                  | 250                 | 486                 | 623                 | 748                 | 961                 | 1366                | 2167                |
| <b>-9.0</b>             | 0                        | 6                   | 45                  | 244                 | 484                 | 622                 | 747                 | 950                 | 1327                | 2075                |
| <b>-11.0</b>            | 0                        | 6                   | 44                  | 238                 | 481                 | 620                 | 744                 | 933                 | 1283                | 1994                |
| <b>-13.0</b>            | 0                        | 6                   | 42                  | 231                 | 477                 | 616                 | 739                 | 915                 | 1238                | 1875                |
| <b>-15.0</b>            | 0                        | 6                   | 41                  | 224                 | 472                 | 612                 | 732                 | 894                 | 1201                | 1717                |
| <b>-17.0</b>            | 0                        | 6                   | 39                  | 216                 | 465                 | 607                 | 724                 | 881                 | 1150                | 1636                |
| <b>-19.5</b>            | 0                        | 5                   | 36                  | 205                 | 454                 | 601                 | 714                 | 858                 | 1084                | 1510                |
| <b>-22.5</b>            | 0                        | 5                   | 33                  | 189                 | 437                 | 590                 | 699                 | 826                 | 1016                | 1348                |
| <b>-25.5</b>            | 0                        | 5                   | 30                  | 174                 | 417                 | 577                 | 681                 | 801                 | 946                 | 1166                |
| <b>-29.0</b>            | 0                        | 5                   | 25                  | 153                 | 390                 | 553                 | 662                 | 772                 | 874                 | 1017                |
| <b>-33.0</b>            | 0                        | 5                   | 20                  | 128                 | 353                 | 521                 | 639                 | 744                 | 817                 | 895                 |
| <b>-37.5</b>            | 0                        | 5                   | 17                  | 102                 | 306                 | 483                 | 596                 | 705                 | 778                 | 836                 |
| <b>-42.5</b>            | 0                        | 4                   | 14                  | 76                  | 249                 | 432                 | 543                 | 651                 | 733                 | 811                 |
| <b>-47.5</b>            | 0                        | 4                   | 10                  | 52                  | 188                 | 359                 | 474                 | 601                 | 674                 | 753                 |
| <b>-55.0</b>            | 0                        | 3                   | 8                   | 23                  | 99                  | 209                 | 296                 | 380                 | 454                 | 515                 |
| <b>-65.0</b>            | 0                        | 3                   | 5                   | 9                   | 18                  | 48                  | 86                  | 134                 | 178                 | 208                 |
| <b>-75.0</b>            | 0                        | 2                   | 3                   | 5                   | 6                   | 7                   | 8                   | 9                   | 10                  | 12                  |
| <b>-85.0</b>            | 0                        | 1                   | 2                   | 5                   | 10                  | 11                  | 12                  | 12                  | 13                  | 12                  |
| <b>-90.0</b>            | 0                        | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   | 0                   |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**CANDELA TABULATION - (Cont.)**

| Vert.<br>Angles | Horizontal Angles |              |              |              |              |              |              |             |             |             |
|-----------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|
|                 | <u>-25.5</u>      | <u>-22.5</u> | <u>-19.5</u> | <u>-17.0</u> | <u>-15.0</u> | <u>-13.0</u> | <u>-11.0</u> | <u>-9.0</u> | <u>-7.0</u> | <u>-5.0</u> |
| 90.0            | 0                 | 0            | 0            | 0            | 0            | 0            | 0            | 0           | 0           | 0           |
| 85.0            | 31                | 31           | 32           | 32           | 32           | 32           | 33           | 32          | 32          | 32          |
| 75.0            | 281               | 301          | 320          | 334          | 343          | 351          | 358          | 364         | 369         | 376         |
| 65.0            | 613               | 642          | 683          | 716          | 741          | 763          | 778          | 792         | 805         | 817         |
| 55.0            | 975               | 1026         | 1078         | 1114         | 1140         | 1165         | 1182         | 1196        | 1209        | 1221        |
| 47.5            | 1113              | 1154         | 1179         | 1198         | 1212         | 1221         | 1225         | 1230        | 1234        | 1237        |
| 42.5            | 1201              | 1225         | 1247         | 1271         | 1272         | 1271         | 1269         | 1268        | 1267        | 1266        |
| 37.5            | 1192              | 1241         | 1293         | 1335         | 1354         | 1368         | 1372         | 1370        | 1369        | 1363        |
| 33.0            | 1253              | 1382         | 1513         | 1606         | 1665         | 1703         | 1756         | 1800        | 1833        | 1854        |
| 29.0            | 1431              | 1663         | 1940         | 2152         | 2291         | 2498         | 2646         | 2734        | 2824        | 2940        |
| 25.5            | 1637              | 2040         | 2544         | 3058         | 3476         | 3876         | 4190         | 4506        | 4712        | 4892        |
| 22.5            | 1872              | 2496         | 3342         | 4212         | 5032         | 5704         | 6335         | 6994        | 7339        | 7586        |
| 19.5            | 2163              | 3058         | 4338         | 5642         | 6851         | 8213 *       | 9421 *       | 10968 *     | 11922 *     | 12583 *     |
| 17.0            | 2429              | 3632         | 5269         | 7074         | 8679 *       | 11038 *      | 13155 *      | 15863 *     | 18198 *     | 19885 *     |
| 15.0            | 2700              | 4087         | 6050         | 8155 *       | 10992 *      | 13901 *      | 17647 *      | 20969 *     | 25301 *     | 28495 *     |
| 13.0            | 2933              | 4472         | 6789         | 9994 *       | 13368 *      | 18092 *      | 23067 *      | 28549 *     | 33869 *     | 38923 *     |
| 11.0            | 3123              | 4738         | 7523         | 11514 *      | 16877 *      | 22873 *      | 29914 *      | 37201 *     | 44505 *     | 50173 *     |
| 9.0             | 3316              | 5168         | 8579 *       | 13741 *      | 19685 *      | 28500 *      | 37240 *      | 45977 *     | 53931 *     | 60476 *     |
| 7.0             | 3433              | 5440         | 9399 *       | 15712 *      | 23597 *      | 33368 *      | 44036 *      | 53382 *     | 61978 *     | 66859 *     |
| 5.0             | 3535              | 5667         | 9970 *       | 17172 *      | 26462 *      | 37437 *      | 48882 *      | 58860 *     | 65652 *     | 70934 *     |
| 3.0             | 3558              | 5802         | 10889 *      | 18982 *      | 28635 *      | 40125 *      | 51275 *      | 61362 *     | 68470 *     | 72131 *     |
| 1.0             | 3608              | 5881         | 11474 *      | 20268 *      | 30350 *      | 42366 *      | 53813 *      | 63082 *     | 69528 *     | 73403 *     |
| 0.0             | 3632              | 5869         | 11589 *      | 20558 *      | 30553 *      | 42893 *      | 54425 *      | 63664 *     | 69974 *     | 73571 *     |
| -1.0            | 3625              | 5849         | 11391 *      | 20226 *      | 30369 *      | 42977 *      | 54674 *      | 64061 *     | 70543 *     | 74410 *     |
| -3.0            | 3601              | 5783         | 10935 *      | 19505 *      | 30127 *      | 42654 *      | 54474 *      | 64540 *     | 71490 *     | 75312 *     |
| -5.0            | 3592              | 5731         | 10256 *      | 18242 *      | 28768 *      | 40633 *      | 52744 *      | 63337 *     | 70340 *     | 75450 *     |
| -7.0            | 3503              | 5564         | 9851 *       | 17091 *      | 25995 *      | 36855 *      | 48871 *      | 59044 *     | 67631 *     | 73007 *     |
| -9.0            | 3385              | 5326         | 9082 *       | 14918 *      | 21578 *      | 31951 *      | 42359 *      | 52494 *     | 61176 *     | 68182 *     |
| -11.0           | 3173              | 4897         | 7871         | 12131 *      | 18108 *      | 25580 *      | 34616 *      | 43792 *     | 52531 *     | 59009 *     |
| -13.0           | 2971              | 4540         | 7000         | 10437 *      | 14265 *      | 20201 *      | 26854 *      | 34549 *     | 41114 *     | 46865 *     |
| -15.0           | 2749              | 4121         | 6078         | 8377 *       | 11576 *      | 15106 *      | 20204 *      | 24843 *     | 30395 *     | 34243 *     |
| -17.0           | 2490              | 3684         | 5257         | 7151         | 8811 *       | 11605 *      | 14199 *      | 17924 *     | 21064 *     | 23117 *     |
| -19.5           | 2191              | 3092         | 4346         | 5627         | 6864         | 8267 *       | 9548 *       | 11493 *     | 12856 *     | 13766 *     |
| -22.5           | 1793              | 2412         | 3249         | 4041         | 4833         | 5529         | 6133         | 6814        | 7285        | 7647        |
| -25.5           | 1481              | 1848         | 2333         | 2789         | 3196         | 3576         | 3863         | 4208        | 4408        | 4564        |
| -29.0           | 1219              | 1418         | 1661         | 1880         | 2034         | 2237         | 2392         | 2511        | 2628        | 2732        |
| -33.0           | 998               | 1103         | 1208         | 1312         | 1381         | 1429         | 1491         | 1539        | 1572        | 1590        |
| -37.5           | 883               | 924          | 981          | 1024         | 1048         | 1075         | 1092         | 1102        | 1105        | 1103        |
| -42.5           | 857               | 891          | 920          | 941          | 958          | 973          | 985          | 991         | 991         | 991         |
| -47.5           | 815               | 850          | 897          | 927          | 944          | 962          | 980          | 985         | 994         | 1005        |
| -55.0           | 567               | 607          | 648          | 684          | 710          | 735          | 754          | 771         | 786         | 799         |
| -65.0           | 228               | 246          | 271          | 289          | 301          | 311          | 322          | 331         | 338         | 344         |
| -75.0           | 13                | 13           | 13           | 14           | 14           | 14           | 14           | 14          | 14          | 14          |
| -85.0           | 12                | 12           | 13           | 13           | 13           | 13           | 12           | 12          | 11          | 11          |
| -90.0           | 0                 | 0            | 0            | 0            | 0            | 0            | 0            | 0           | 0           | 0           |

| Vert.<br>Angles | Horizontal Angles |             |            |            |            |            |            |            |             |             |
|-----------------|-------------------|-------------|------------|------------|------------|------------|------------|------------|-------------|-------------|
|                 | <u>-3.0</u>       | <u>-1.0</u> | <u>0.0</u> | <u>1.0</u> | <u>3.0</u> | <u>5.0</u> | <u>7.0</u> | <u>9.0</u> | <u>11.0</u> | <u>13.0</u> |
| 90.0            | 0                 | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0           | 0           |
| 85.0            | 31                | 30          | 30         | 30         | 31         | 32         | 32         | 32         | 33          | 32          |
| 75.0            | 373               | 370         | 368        | 370        | 373        | 376        | 369        | 364        | 358         | 351         |
| 65.0            | 822               | 821         | 820        | 821        | 822        | 817        | 805        | 792        | 778         | 763         |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 55.0  | 1228    | 1227    | 1227    | 1227    | 1228    | 1221    | 1209    | 1196    | 1182    | 1165    |
| 47.5  | 1240    | 1240    | 1240    | 1240    | 1240    | 1237    | 1234    | 1230    | 1225    | 1221    |
| 42.5  | 1268    | 1269    | 1269    | 1269    | 1268    | 1266    | 1267    | 1268    | 1269    | 1271    |
| 37.5  | 1353    | 1349    | 1345    | 1349    | 1353    | 1363    | 1369    | 1370    | 1372    | 1368    |
| 33.0  | 1856    | 1854    | 1848    | 1854    | 1856    | 1854    | 1833    | 1800    | 1756    | 1703    |
| 29.0  | 2994    | 3002    | 2987    | 3002    | 2994    | 2940    | 2824    | 2734    | 2646    | 2498    |
| 25.5  | 4996    | 4998    | 4961    | 4998    | 4996    | 4892    | 4712    | 4506    | 4190    | 3876    |
| 22.5  | 7827    | 8030    | 8098    | 8030    | 7827    | 7586    | 7339    | 6994    | 6335    | 5704    |
| 19.5  | 13497 * | 13877 * | 13813 * | 13877 * | 13497 * | 12583 * | 11922 * | 10968 * | 9421 *  | 8213 *  |
| 17.0  | 21245 * | 21880 * | 21938 * | 21880 * | 21245 * | 19885 * | 18198 * | 15863 * | 13155 * | 11038 * |
| 15.0  | 30414 * | 31351 * | 32021 * | 31351 * | 30414 * | 28495 * | 25301 * | 20969 * | 17647 * | 13901 * |
| 13.0  | 42121 * | 43165 * | 44274 * | 43165 * | 42121 * | 38923 * | 33869 * | 28549 * | 23067 * | 18092 * |
| 11.0  | 54002 * | 55509 * | 56354 * | 55509 * | 54002 * | 50173 * | 44505 * | 37201 * | 29914 * | 22873 * |
| 9.0   | 64217 * | 65942 * | 66289 * | 65942 * | 64217 * | 60476 * | 53931 * | 45977 * | 37240 * | 28500 * |
| 7.0   | 71074 * | 72848 * | 72983 * | 72848 * | 71074 * | 66859 * | 61978 * | 53382 * | 44036 * | 33368 * |
| 5.0   | 73756 * | 76080 * | 76224 * | 76080 * | 73756 * | 70934 * | 65652 * | 58860 * | 48882 * | 37437 * |
| 3.0   | 75161 * | 77047 * | 77305 * | 77047 * | 75161 * | 72131 * | 68470 * | 61362 * | 51275 * | 40125 * |
| 1.0   | 75995 * | 77408 * | 77705 * | 77408 * | 75995 * | 73403 * | 69528 * | 63082 * | 53813 * | 42366 * |
| 0.0   | 76292 * | 77463 * | 77791 * | 77463 * | 76292 * | 73571 * | 69974 * | 63664 * | 54425 * | 42893 * |
| -1.0  | 76954 * | 78206 * | 78591 * | 78206 * | 76954 * | 74410 * | 70543 * | 64061 * | 54674 * | 42977 * |
| -3.0  | 78174 * | 79809 * | 80143 * | 79809 * | 78174 * | 75312 * | 71490 * | 64540 * | 54474 * | 42654 * |
| -5.0  | 78592 * | 81176 * | 81549 * | 81176 * | 78592 * | 75450 * | 70340 * | 63337 * | 52744 * | 40633 * |
| -7.0  | 77093 * | 79025 * | 79334 * | 79025 * | 77093 * | 73007 * | 67631 * | 59044 * | 48871 * | 36855 * |
| -9.0  | 72064 * | 73949 * | 74228 * | 73949 * | 72064 * | 68182 * | 61176 * | 52494 * | 42359 * | 31951 * |
| -11.0 | 63148 * | 65292 * | 65577 * | 65292 * | 63148 * | 59009 * | 52531 * | 43792 * | 34616 * | 25580 * |
| -13.0 | 51019 * | 53316 * | 53604 * | 53316 * | 51019 * | 46865 * | 41114 * | 34549 * | 26854 * | 20201 * |
| -15.0 | 37161 * | 39358 * | 39410 * | 39358 * | 37161 * | 34243 * | 30395 * | 24843 * | 20204 * | 15106 * |
| -17.0 | 25163 * | 26534 * | 27288 * | 26534 * | 25163 * | 23117 * | 21064 * | 17924 * | 14199 * | 11605 * |
| -19.5 | 14896 * | 15534 * | 16107 * | 15534 * | 14896 * | 13766 * | 12856 * | 11493 * | 9548 *  | 8267 *  |
| -22.5 | 7878    | 8189 *  | 8206 *  | 8189 *  | 7878    | 7647    | 7285    | 6814    | 6133    | 5529    |
| -25.5 | 4647    | 4695    | 4783    | 4695    | 4647    | 4564    | 4408    | 4208    | 3863    | 3576    |
| -29.0 | 2779    | 2769    | 2777    | 2769    | 2779    | 2732    | 2628    | 2511    | 2392    | 2237    |
| -33.0 | 1591    | 1579    | 1581    | 1579    | 1591    | 1590    | 1572    | 1539    | 1491    | 1429    |
| -37.5 | 1096    | 1087    | 1087    | 1087    | 1096    | 1103    | 1105    | 1102    | 1092    | 1075    |
| -42.5 | 990     | 990     | 991     | 990     | 990     | 991     | 991     | 991     | 985     | 973     |
| -47.5 | 1017    | 1017    | 1019    | 1017    | 1017    | 1005    | 994     | 985     | 980     | 962     |
| -55.0 | 805     | 803     | 803     | 803     | 805     | 799     | 786     | 771     | 754     | 735     |
| -65.0 | 347     | 345     | 344     | 345     | 347     | 344     | 338     | 331     | 322     | 311     |
| -75.0 | 13      | 13      | 13      | 13      | 13      | 14      | 14      | 14      | 14      | 14      |
| -85.0 | 10      | 10      | 10      | 10      | 10      | 11      | 11      | 12      | 12      | 13      |
| -90.0 | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |

**Vert. Angles**      **Horizontal Angles**

|      | <u>15.0</u> | <u>17.0</u> | <u>19.5</u> | <u>22.5</u> | <u>25.5</u> | <u>29.0</u> | <u>33.0</u> | <u>37.5</u> | <u>42.5</u> | <u>47.5</u> |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 90.0 | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| 85.0 | 32          | 32          | 32          | 31          | 31          | 31          | 31          | 28          | 24          | 21          |
| 75.0 | 343         | 334         | 320         | 301         | 281         | 262         | 244         | 199         | 141         | 89          |
| 65.0 | 741         | 716         | 683         | 642         | 613         | 573         | 524         | 441         | 351         | 266         |
| 55.0 | 1140        | 1114        | 1078        | 1026        | 975         | 921         | 821         | 696         | 569         | 442         |
| 47.5 | 1212        | 1198        | 1179        | 1154        | 1113        | 1064        | 981         | 873         | 755         | 591         |
| 42.5 | 1272        | 1271        | 1247        | 1225        | 1201        | 1137        | 1064        | 953         | 839         | 674         |
| 37.5 | 1354        | 1335        | 1293        | 1241        | 1192        | 1134        | 1069        | 985         | 871         | 716         |
| 33.0 | 1665        | 1606        | 1513        | 1382        | 1253        | 1141        | 1045        | 970         | 854         | 717         |
| 29.0 | 2291        | 2152        | 1940        | 1663        | 1431        | 1206        | 1048        | 937         | 826         | 707         |
| 25.5 | 3476        | 3058        | 2544        | 2040        | 1637        | 1309        | 1076        | 915         | 798         | 696         |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |      |      |      |      |     |     |     |
|-------|---------|---------|---------|------|------|------|------|-----|-----|-----|
| 22.5  | 5032    | 4212    | 3342    | 2496 | 1872 | 1420 | 1104 | 901 | 784 | 680 |
| 19.5  | 6851    | 5642    | 4338    | 3058 | 2163 | 1535 | 1128 | 904 | 772 | 662 |
| 17.0  | 8679 *  | 7074    | 5269    | 3632 | 2429 | 1640 | 1168 | 914 | 765 | 646 |
| 15.0  | 10992 * | 8155 *  | 6050    | 4087 | 2700 | 1710 | 1210 | 918 | 760 | 646 |
| 13.0  | 13368 * | 9994 *  | 6789    | 4472 | 2933 | 1854 | 1240 | 930 | 760 | 646 |
| 11.0  | 16877 * | 11514 * | 7523    | 4738 | 3123 | 1957 | 1274 | 940 | 762 | 644 |
| 9.0   | 19685 * | 13741 * | 8579 *  | 5168 | 3316 | 2020 | 1314 | 952 | 762 | 643 |
| 7.0   | 23597 * | 15712 * | 9399 *  | 5440 | 3433 | 2115 | 1352 | 959 | 759 | 640 |
| 5.0   | 26462 * | 17172 * | 9970 *  | 5667 | 3535 | 2203 | 1377 | 963 | 755 | 637 |
| 3.0   | 28635 * | 18982 * | 10889 * | 5802 | 3558 | 2243 | 1389 | 964 | 756 | 638 |
| 1.0   | 30350 * | 20268 * | 11474 * | 5881 | 3608 | 2267 | 1393 | 967 | 752 | 635 |
| 0.0   | 30553 * | 20558 * | 11589 * | 5869 | 3632 | 2265 | 1390 | 965 | 750 | 633 |
| -1.0  | 30369 * | 20226 * | 11391 * | 5849 | 3625 | 2277 | 1396 | 968 | 750 | 632 |
| -3.0  | 30127 * | 19505 * | 10935 * | 5783 | 3601 | 2273 | 1399 | 969 | 751 | 630 |
| -5.0  | 28768 * | 18242 * | 10256 * | 5731 | 3592 | 2244 | 1389 | 967 | 746 | 624 |
| -7.0  | 25995 * | 17091 * | 9851 *  | 5564 | 3503 | 2167 | 1366 | 961 | 748 | 623 |
| -9.0  | 21578 * | 14918 * | 9082 *  | 5326 | 3385 | 2075 | 1327 | 950 | 747 | 622 |
| -11.0 | 18108 * | 12131 * | 7871    | 4897 | 3173 | 1994 | 1283 | 933 | 744 | 620 |
| -13.0 | 14265 * | 10437 * | 7000    | 4540 | 2971 | 1875 | 1238 | 915 | 739 | 616 |
| -15.0 | 11576 * | 8377 *  | 6078    | 4121 | 2749 | 1717 | 1201 | 894 | 732 | 612 |
| -17.0 | 8811 *  | 7151    | 5257    | 3684 | 2490 | 1636 | 1150 | 881 | 724 | 607 |
| -19.5 | 6864    | 5627    | 4346    | 3092 | 2191 | 1510 | 1084 | 858 | 714 | 601 |
| -22.5 | 4833    | 4041    | 3249    | 2412 | 1793 | 1348 | 1016 | 826 | 699 | 590 |
| -25.5 | 3196    | 2789    | 2333    | 1848 | 1481 | 1166 | 946  | 801 | 681 | 577 |
| -29.0 | 2034    | 1880    | 1661    | 1418 | 1219 | 1017 | 874  | 772 | 662 | 553 |
| -33.0 | 1381    | 1312    | 1208    | 1103 | 998  | 895  | 817  | 744 | 639 | 521 |
| -37.5 | 1048    | 1024    | 981     | 924  | 883  | 836  | 778  | 705 | 596 | 483 |
| -42.5 | 958     | 941     | 920     | 891  | 857  | 811  | 733  | 651 | 543 | 432 |
| -47.5 | 944     | 927     | 897     | 850  | 815  | 753  | 674  | 601 | 474 | 359 |
| -55.0 | 710     | 684     | 648     | 607  | 567  | 515  | 454  | 380 | 296 | 209 |
| -65.0 | 301     | 289     | 271     | 246  | 228  | 208  | 178  | 134 | 86  | 48  |
| -75.0 | 14      | 14      | 13      | 13   | 13   | 12   | 10   | 9   | 8   | 7   |
| -85.0 | 13      | 13      | 13      | 12   | 12   | 12   | 13   | 12  | 12  | 11  |
| -90.0 | 0       | 0       | 0       | 0    | 0    | 0    | 0    | 0   | 0   | 0   |

| Vert.<br>Angles | Horizontal Angles |             |             |             |             |
|-----------------|-------------------|-------------|-------------|-------------|-------------|
|                 | <u>55.0</u>       | <u>65.0</u> | <u>75.0</u> | <u>85.0</u> | <u>90.0</u> |
| 90.0            | 0                 | 0           | 0           | 0           | 0           |
| 85.0            | 17                | 11          | 4           | 1           | 0           |
| 75.0            | 40                | 15          | 8           | 2           | 0           |
| 65.0            | 142               | 37          | 11          | 3           | 0           |
| 55.0            | 273               | 91          | 16          | 4           | 0           |
| 47.5            | 373               | 137         | 23          | 5           | 0           |
| 42.5            | 439               | 167         | 30          | 5           | 0           |
| 37.5            | 476               | 195         | 35          | 6           | 0           |
| 33.0            | 500               | 218         | 39          | 6           | 0           |
| 29.0            | 513               | 236         | 44          | 6           | 0           |
| 25.5            | 516               | 250         | 47          | 6           | 0           |
| 22.5            | 513               | 257         | 49          | 6           | 0           |
| 19.5            | 517               | 263         | 51          | 6           | 0           |
| 17.0            | 517               | 267         | 52          | 6           | 0           |
| 15.0            | 516               | 269         | 52          | 6           | 0           |
| 13.0            | 515               | 269         | 53          | 6           | 0           |
| 11.0            | 512               | 269         | 53          | 6           | 0           |
| 9.0             | 508               | 270         | 53          | 6           | 0           |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**CANDELA TABULATION - (Cont.)**

|       |     |     |    |   |   |
|-------|-----|-----|----|---|---|
| 7.0   | 504 | 270 | 53 | 6 | 0 |
| 5.0   | 503 | 269 | 53 | 6 | 0 |
| 3.0   | 502 | 268 | 52 | 6 | 0 |
| 1.0   | 498 | 265 | 51 | 6 | 0 |
| 0.0   | 496 | 263 | 50 | 6 | 0 |
| -1.0  | 495 | 262 | 50 | 6 | 0 |
| -3.0  | 494 | 260 | 49 | 6 | 0 |
| -5.0  | 490 | 255 | 48 | 6 | 0 |
| -7.0  | 486 | 250 | 47 | 6 | 0 |
| -9.0  | 484 | 244 | 45 | 6 | 0 |
| -11.0 | 481 | 238 | 44 | 6 | 0 |
| -13.0 | 477 | 231 | 42 | 6 | 0 |
| -15.0 | 472 | 224 | 41 | 6 | 0 |
| -17.0 | 465 | 216 | 39 | 6 | 0 |
| -19.5 | 454 | 205 | 36 | 5 | 0 |
| -22.5 | 437 | 189 | 33 | 5 | 0 |
| -25.5 | 417 | 174 | 30 | 5 | 0 |
| -29.0 | 390 | 153 | 25 | 5 | 0 |
| -33.0 | 353 | 128 | 20 | 5 | 0 |
| -37.5 | 306 | 102 | 17 | 5 | 0 |
| -42.5 | 249 | 76  | 14 | 4 | 0 |
| -47.5 | 188 | 52  | 10 | 4 | 0 |
| -55.0 | 99  | 23  | 8  | 3 | 0 |
| -65.0 | 18  | 9   | 5  | 3 | 0 |
| -75.0 | 6   | 5   | 3  | 2 | 0 |
| -85.0 | 10  | 5   | 2  | 1 | 0 |
| -90.0 | 0   | 0   | 0  | 0 | 0 |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 10962.17

Total Field Lumens (one side of beam only) = 8615.81

\* Indicates Values Inside Field Edge

| Vert.<br>Angles | Horizontal Angles |          |          |          |          |          |           |           |           |           |
|-----------------|-------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
|                 | <u>0</u>          | <u>1</u> | <u>3</u> | <u>5</u> | <u>7</u> | <u>9</u> | <u>11</u> | <u>13</u> | <u>15</u> | <u>17</u> |
| 90              |                   |          |          |          |          |          |           |           |           |           |
| 85              | 0.02              | 0.05     | 0.05     | 0.05     | 0.05     | 0.05     | 0.05      | 0.05      | 0.05      | 0.06      |
| 75              | 0.61              | 1.22     | 1.23     | 1.23     | 1.20     | 1.18     | 1.15      | 1.12      | 1.08      | 1.30      |
| 65              | 1.81              | 3.63     | 3.63     | 3.59     | 3.51     | 3.44     | 3.35      | 3.25      | 3.12      | 3.71      |
| 55              | 3.12              | 6.24     | 6.21     | 6.14     | 6.04     | 5.92     | 5.79      | 5.63      | 5.43      | 6.49      |
| 47.5            | 2.82              | 5.63     | 5.61     | 5.57     | 5.51     | 5.44     | 5.36      | 5.25      | 5.12      | 6.20      |
| 42.5            | 1.91              | 3.82     | 3.81     | 3.79     | 3.77     | 3.74     | 3.71      | 3.68      | 3.63      | 4.42      |
| 37.5            | 1.99              | 3.99     | 3.99     | 3.99     | 3.98     | 3.96     | 3.93      | 3.89      | 3.83      | 4.65      |
| 33              | 2.19              | 4.39     | 4.39     | 4.38     | 4.32     | 4.25     | 4.16      | 4.05      | 3.93      | 4.68      |
| 29              | 2.95              | 5.91     | 5.86     | 5.73     | 5.54     | 5.36     | 5.13      | 4.82      | 4.52      | 5.21      |
| 25.5            | 4.25              | 8.52     | 8.41     | 8.15     | 7.80     | 7.39     | 6.89      | 6.28      | 5.62      | 6.13      |
| 22.5            | 5.96              | 11.80    | 11.53    | 11.15    | 10.66    | 9.91     | 8.99      | 8.02      | 6.93      | 7.14      |
| 19.5            | 10.01 *           | 19.74 *  | 18.91 *  | 17.92 *  | 16.84 *  | 15.17 *  | 13.26     | 11.44     | 9.55      | 9.51      |
| 17              | 13.61 *           | 26.83 *  | 25.53 *  | 23.70 *  | 21.47 *  | 18.53 *  | 15.58 *   | 12.85 *   | 10.34     | 10.09     |
| 15              | 16.33 *           | 31.93 *  | 30.40 *  | 27.83 *  | 24.23 *  | 20.29 *  | 16.61 *   | 13.18 *   | 10.22 *   | 9.60      |
| 13              | 22.97 *           | 44.76 *  | 42.53 *  | 38.35 *  | 32.78 *  | 27.07 *  | 21.66 *   | 16.66 *   | 12.45 *   | 11.20     |
| 11              | 30.35 *           | 59.30 *  | 56.28 *  | 50.73 *  | 43.47 *  | 35.62 *  | 27.99 *   | 21.05 *   | 15.15 *   | 12.95 *   |
| 9               | 37.18 *           | 72.96 *  | 69.54 *  | 63.34 *  | 54.78 *  | 45.10 *  | 35.31 *   | 25.99 *   | 18.10 *   | 14.95 *   |
| 7               | 42.35 *           | 83.43 *  | 79.80 *  | 73.69 *  | 64.93 *  | 54.19 *  | 42.65 *   | 31.08 *   | 21.30 *   | 17.15 *   |
| 5               | 45.41 *           | 89.42 *  | 85.88 *  | 80.41 *  | 72.35 *  | 61.54 *  | 48.78 *   | 35.72 *   | 24.29 *   | 18.89 *   |
| 3               | 46.70 *           | 91.95 *  | 88.72 *  | 83.97 *  | 76.72 *  | 66.11 *  | 52.95 *   | 39.21 *   | 26.72 *   | 20.62 *   |
| 1               | 47.13 *           | 93.03 *  | 90.15 *  | 85.89 *  | 79.16 *  | 68.85 *  | 55.89 *   | 41.81 *   | 28.76 *   | 22.28 *   |
| 0               | 23.63 *           | 46.75 *  | 45.47 *  | 43.39 *  | 40.16 *  | 35.24 *  | 28.83 *   | 21.60 *   | 14.89 *   | 11.55 *   |
| -1              | 23.76 *           | 47.02 *  | 45.77 *  | 43.70 *  | 40.46 *  | 35.52 *  | 29.05 *   | 21.69 *   | 14.89 *   | 11.53 *   |
|                 | 48.24 *           | 95.33 *  | 92.63 *  | 88.38 *  | 81.63 *  | 71.32 *  | 58.03 *   | 43.19 *   | 29.35 *   | 22.44 *   |



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

|              |         |         |         |         |         |         |         |         |         |         |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>-3</b>    | 49.14 * | 96.73 * | 93.45 * | 88.64 * | 81.35 * | 70.52 * | 56.76 * | 42.02 * | 28.30 * | 21.31 * |
| <b>-5</b>    | 48.90 * | 96.16 * | 92.42 * | 86.77 * | 78.53 * | 67.19 * | 53.36 * | 39.09 * | 26.38 * | 20.05 * |
| <b>-7</b>    | 46.69 * | 91.97 * | 88.22 * | 81.79 * | 72.50 * | 60.83 * | 47.68 * | 34.40 * | 23.30 * | 18.42 * |
| <b>-9</b>    | 42.50 * | 83.55 * | 79.73 * | 72.98 * | 63.34 * | 51.97 * | 40.08 * | 28.73 * | 19.54 * | 15.91 * |
| <b>-11</b>   | 36.22 * | 70.86 * | 66.86 * | 60.44 * | 51.88 * | 41.94 * | 31.95 * | 23.10 * | 16.09 * | 13.54 * |
| <b>-13</b>   | 28.28 * | 55.05 * | 51.44 * | 46.23 * | 39.48 * | 31.93 * | 24.54 * | 18.07 * | 13.08 * | 11.53   |
| <b>-15</b>   | 20.19 * | 39.03 * | 36.37 * | 32.96 * | 28.42 * | 23.15 * | 18.21 * | 13.92 * | 10.52 * | 9.71    |
| <b>-17</b>   | 16.27 * | 31.25 * | 29.22 * | 26.81 * | 23.88 * | 19.93 * | 16.25 * | 13.13 * | 10.41   | 10.12   |
| <b>-19.5</b> | 10.97 * | 21.23 * | 20.14 * | 18.88 * | 17.40 * | 15.29 * | 13.17   | 11.30   | 9.38    | 9.36    |
| <b>-22.5</b> | 5.91    | 11.60   | 11.27   | 10.86   | 10.28   | 9.46    | 8.54    | 7.60    | 6.53    | 6.73    |
| <b>-25.5</b> | 4.00    | 7.93    | 7.83    | 7.60    | 7.26    | 6.81    | 6.29    | 5.71    | 5.07    | 5.48    |
| <b>-29</b>   | 2.65    | 5.31    | 5.28    | 5.16    | 4.98    | 4.76    | 4.50    | 4.19    | 3.87    | 4.38    |
| <b>-33</b>   | 1.83    | 3.67    | 3.68    | 3.66    | 3.61    | 3.53    | 3.41    | 3.28    | 3.14    | 3.68    |
| <b>-37.5</b> | 1.58    | 3.17    | 3.18    | 3.17    | 3.16    | 3.13    | 3.07    | 3.00    | 2.91    | 3.49    |
| <b>-42.5</b> | 1.53    | 3.05    | 3.04    | 3.01    | 2.99    | 2.96    | 2.90    | 2.84    | 2.76    | 3.33    |
| <b>-47.5</b> | 2.08    | 4.16    | 4.13    | 4.07    | 4.00    | 3.93    | 3.83    | 3.71    | 3.58    | 4.28    |
| <b>-55</b>   | 1.75    | 3.50    | 3.49    | 3.43    | 3.36    | 3.27    | 3.16    | 3.04    | 2.90    | 3.42    |
| <b>-65</b>   | 0.54    | 1.09    | 1.09    | 1.08    | 1.05    | 1.02    | 0.98    | 0.95    | 0.90    | 1.06    |
| <b>-75</b>   | 0.04    | 0.07    | 0.07    | 0.08    | 0.08    | 0.08    | 0.08    | 0.08    | 0.08    | 0.10    |
| <b>-85</b>   | 0.01    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    |
| <b>-90</b>   |         |         |         |         |         |         |         |         |         |         |
| <b>Total</b> | 756.40  | 1487.07 | 1427.26 | 1332.68 | 1198.94 | 1026.89 | 833.89  | 639.66  | 468.02  | 408.70  |

**Vert. Horizontal Angles**

| <b>Angles</b> | <b>19.5</b> | <b>22.5</b> | <b>25.5</b> | <b>29</b> | <b>33</b> | <b>37.5</b> | <b>42.5</b> | <b>47.5</b> | <b>55</b> | <b>65</b> |
|---------------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-------------|-----------|-----------|
| <b>90</b>     | 0.07        | 0.06        | 0.07        | 0.08      | 0.08      | 0.08        | 0.06        | 0.07        | 0.05      | 0.02      |
| <b>85</b>     | 1.46        | 1.34        | 1.43        | 1.48      | 1.40      | 1.14        | 0.74        | 0.60        | 0.32      | 0.10      |
| <b>75</b>     | 4.15        | 3.83        | 4.10        | 4.18      | 3.94      | 3.30        | 2.28        | 1.92        | 0.89      | 0.18      |
| <b>65</b>     | 7.31        | 6.79        | 7.30        | 7.41      | 6.94      | 6.00        | 4.38        | 4.01        | 2.06      | 0.40      |
| <b>55</b>     | 7.10        | 6.68        | 7.24        | 7.41      | 7.07      | 6.33        | 4.76        | 4.50        | 2.49      | 0.52      |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

|              |         |      |      |      |      |      |      |      |      |      |
|--------------|---------|------|------|------|------|------|------|------|------|------|
| <b>47.5</b>  |         |      |      |      |      |      |      |      |      |      |
|              | 5.12    | 4.90 | 5.35 | 5.54 | 5.42 | 4.99 | 3.85 | 3.71 | 2.12 | 0.46 |
| <b>42.5</b>  | 5.34    | 5.07 | 5.53 | 5.75 | 5.70 | 5.32 | 4.17 | 4.12 | 2.43 | 0.56 |
| <b>37.5</b>  | 5.21    | 4.76 | 5.03 | 5.16 | 5.12 | 4.83 | 3.83 | 3.87 | 2.38 | 0.57 |
| <b>33</b>    | 5.54    | 4.78 | 4.77 | 4.64 | 4.48 | 4.18 | 3.34 | 3.48 | 2.23 | 0.56 |
| <b>29</b>    | 6.11    | 4.95 | 4.63 | 4.24 | 3.89 | 3.55 | 2.85 | 3.04 | 2.02 | 0.53 |
| <b>25.5</b>  | 6.67    | 5.04 | 4.43 | 3.84 | 3.35 | 2.97 | 2.39 | 2.58 | 1.75 | 0.47 |
| <b>22.5</b>  | 8.47    | 6.00 | 4.97 | 4.06 | 3.39 | 2.94 | 2.34 | 2.54 | 1.77 | 0.48 |
| <b>19.5</b>  | 8.69    | 5.89 | 4.60 | 3.57 | 2.88 | 2.45 | 1.91 | 2.09 | 1.49 | 0.41 |
| <b>17</b>    | 8.12    | 5.36 | 4.02 | 2.99 | 2.36 | 1.96 | 1.52 | 1.66 | 1.19 | 0.33 |
| <b>15</b>    | 9.13    | 5.92 | 4.36 | 3.14 | 2.41 | 1.96 | 1.51 | 1.66 | 1.19 | 0.33 |
| <b>13</b>    | 10.03   | 6.37 | 4.68 | 3.30 | 2.45 | 1.98 | 1.51 | 1.66 | 1.19 | 0.34 |
| <b>11</b>    | 11.09   | 6.82 | 4.94 | 3.43 | 2.51 | 1.99 | 1.51 | 1.65 | 1.19 | 0.34 |
| <b>9</b>     | 12.19   | 7.24 | 5.16 | 3.55 | 2.56 | 2.00 | 1.51 | 1.64 | 1.18 | 0.34 |
| <b>7</b>     | 13.00   | 7.54 | 5.35 | 3.68 | 2.60 | 2.00 | 1.50 | 1.63 | 1.18 | 0.34 |
| <b>5</b>     | 13.79   | 7.75 | 5.47 | 3.77 | 2.63 | 2.01 | 1.50 | 1.63 | 1.17 | 0.33 |
| <b>3</b>     | 14.52 * | 7.87 | 5.53 | 3.81 | 2.64 | 2.01 | 1.50 | 1.62 | 1.17 | 0.33 |
| <b>1</b>     | 7.42 *  | 3.96 | 2.79 | 1.91 | 1.32 | 1.00 | 0.75 | 0.81 | 0.58 | 0.16 |
| <b>0</b>     | 7.40 *  | 3.96 | 2.80 | 1.91 | 1.32 | 1.00 | 0.74 | 0.81 | 0.58 | 0.16 |
| <b>-1</b>    | 14.48 * | 7.87 | 5.58 | 3.83 | 2.65 | 2.01 | 1.49 | 1.61 | 1.15 | 0.32 |
| <b>-3</b>    | 13.95 * | 7.81 | 5.55 | 3.81 | 2.64 | 2.00 | 1.48 | 1.60 | 1.14 | 0.32 |
| <b>-5</b>    | 13.39   | 7.68 | 5.45 | 3.74 | 2.62 | 2.00 | 1.48 | 1.59 | 1.13 | 0.31 |
| <b>-7</b>    | 12.72   | 7.42 | 5.27 | 3.62 | 2.58 | 1.99 | 1.48 | 1.58 | 1.11 | 0.30 |
| <b>-9</b>    | 11.59   | 7.00 | 5.04 | 3.49 | 2.51 | 1.97 | 1.47 | 1.58 | 1.10 | 0.30 |
| <b>-11</b>   | 10.37   | 6.50 | 4.74 | 3.34 | 2.44 | 1.94 | 1.46 | 1.57 | 1.09 | 0.29 |
| <b>-13</b>   | 9.27    | 6.00 | 4.41 | 3.15 | 2.38 | 1.91 | 1.45 | 1.56 | 1.07 | 0.28 |
| <b>-15</b>   | 8.16    | 5.44 | 4.07 | 2.98 | 2.31 | 1.88 | 1.44 | 1.54 | 1.05 | 0.27 |
| <b>-17</b>   | 8.73    | 5.98 | 4.64 | 3.51 | 2.78 | 2.32 | 1.78 | 1.90 | 1.27 | 0.32 |
| <b>-19.5</b> | 8.38    | 5.94 | 4.86 | 3.88 | 3.18 | 2.71 | 2.10 | 2.23 | 1.47 | 0.36 |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

|              |        |        |        |        |        |        |       |       |       |       |
|--------------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| <b>-22.5</b> | 6.30   | 4.72   | 4.11   | 3.51   | 3.01   | 2.63   | 2.06  | 2.17  | 1.39  | 0.33  |
| <b>-25.5</b> | 5.42   | 4.36   | 4.05   | 3.66   | 3.32   | 2.98   | 2.33  | 2.42  | 1.51  | 0.35  |
| <b>-29</b>   | 4.60   | 3.96   | 3.91   | 3.76   | 3.59   | 3.29   | 2.56  | 2.60  | 1.56  | 0.34  |
| <b>-33</b>   | 4.05   | 3.67   | 3.85   | 3.91   | 3.83   | 3.52   | 2.71  | 2.67  | 1.52  | 0.31  |
| <b>-37.5</b> | 3.96   | 3.71   | 4.01   | 4.12   | 4.01   | 3.64   | 2.76  | 2.63  | 1.39  | 0.27  |
| <b>-42.5</b> | 3.79   | 3.56   | 3.83   | 3.88   | 3.72   | 3.31   | 2.43  | 2.19  | 1.07  | 0.20  |
| <b>-47.5</b> | 4.80   | 4.44   | 4.71   | 4.69   | 4.43   | 3.83   | 2.70  | 2.29  | 1.03  | 0.18  |
| <b>-55</b>   | 3.78   | 3.44   | 3.60   | 3.54   | 3.21   | 2.61   | 1.72  | 1.34  | 0.57  | 0.12  |
| <b>-65</b>   | 1.16   | 1.04   | 1.09   | 1.07   | 0.93   | 0.69   | 0.40  | 0.28  | 0.14  | 0.06  |
| <b>-75</b>   | 0.11   | 0.10   | 0.12   | 0.12   | 0.12   | 0.12   | 0.10  | 0.12  | 0.10  | 0.04  |
| <b>-85</b>   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03  | 0.04  | 0.03  | 0.01  |
| <b>-90</b>   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03  | 0.04  | 0.03  | 0.01  |
| <b>Total</b> | 326.98 | 223.57 | 187.46 | 156.50 | 132.75 | 113.35 | 85.90 | 86.79 | 54.50 | 13.55 |

| <b>Vert.<br/>Angles</b> | <b>Horizontal Angles</b> |                  |                  |
|-------------------------|--------------------------|------------------|------------------|
|                         | <b><u>75</u></b>         | <b><u>85</u></b> | <b><u>90</u></b> |
| <b>90</b>               |                          |                  |                  |
|                         | 0.00                     | 0.00             | 1.11             |
| <b>85</b>               |                          |                  |                  |
|                         | 0.02                     | 0.00             | 21.37            |
| <b>75</b>               |                          |                  |                  |
|                         | 0.03                     | 0.00             | 61.85            |
| <b>65</b>               |                          |                  |                  |
|                         | 0.04                     | 0.00             | 109.68           |
| <b>55</b>               |                          |                  |                  |
|                         | 0.05                     | 0.00             | 106.65           |
| <b>47.5</b>             |                          |                  |                  |
|                         | 0.04                     | 0.00             | 77.78            |
| <b>42.5</b>             |                          |                  |                  |
|                         | 0.05                     | 0.00             | 82.21            |
| <b>37.5</b>             |                          |                  |                  |
|                         | 0.05                     | 0.00             | 81.54            |
| <b>33</b>               |                          |                  |                  |
|                         | 0.05                     | 0.00             | 89.09            |
| <b>29</b>               |                          |                  |                  |
|                         | 0.05                     | 0.00             | 105.29           |
| <b>25.5</b>             |                          |                  |                  |
|                         | 0.04                     | 0.00             | 125.62           |
| <b>22.5</b>             |                          |                  |                  |
|                         | 0.04                     | 0.00             | 179.36           |
| <b>19.5</b>             |                          |                  |                  |
|                         | 0.04                     | 0.00             | 212.53           |
| <b>17</b>               |                          |                  |                  |
|                         | 0.03                     | 0.00             | 230.16           |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

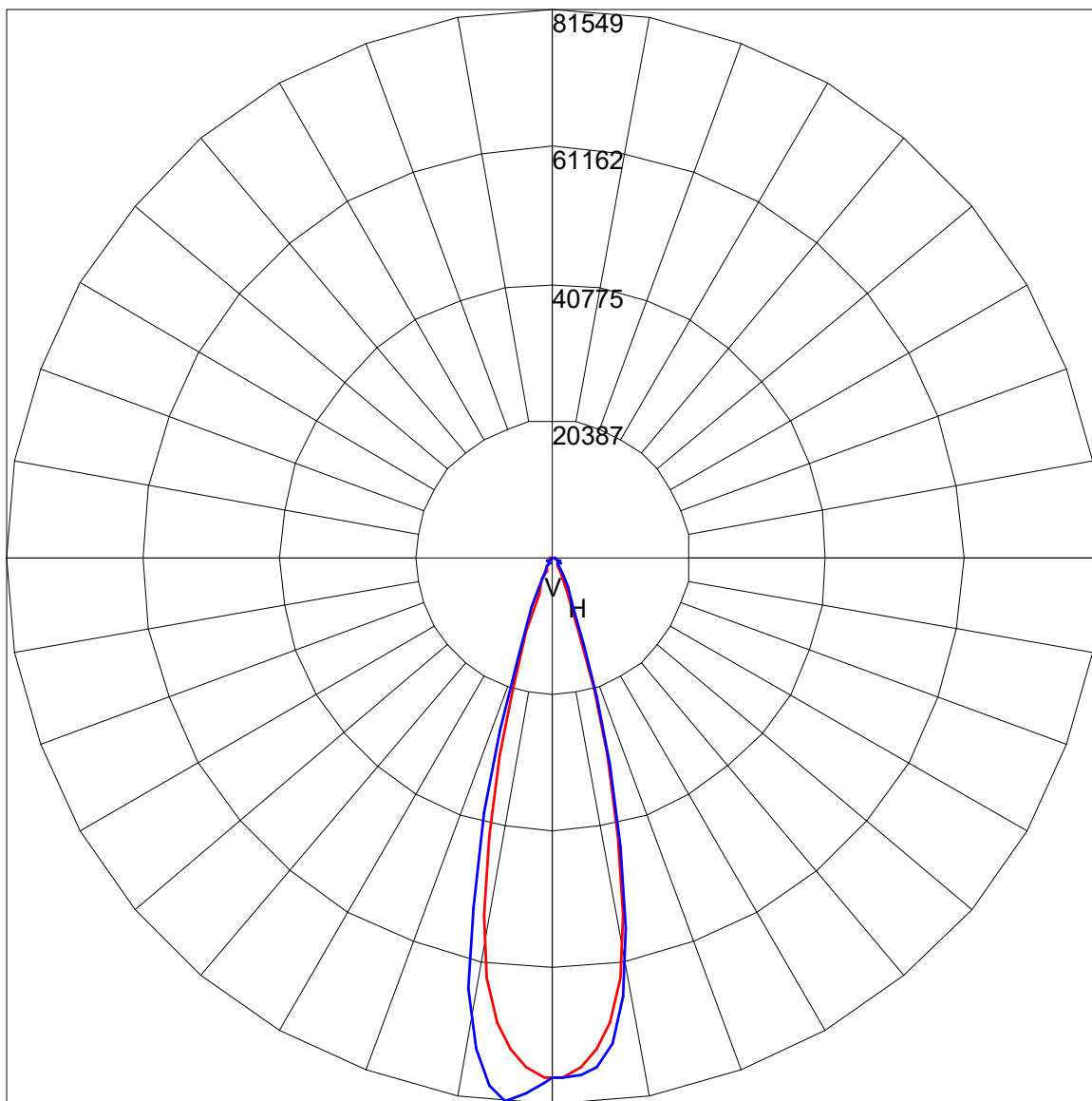
|              |      |      |        |
|--------------|------|------|--------|
| <b>15</b>    | 0.03 | 0.00 | 302.08 |
| <b>13</b>    | 0.03 | 0.00 | 386.44 |
| <b>11</b>    | 0.03 | 0.00 | 472.75 |
| <b>9</b>     | 0.03 | 0.00 | 547.97 |
| <b>7</b>     | 0.03 | 0.00 | 601.55 |
| <b>5</b>     | 0.03 | 0.00 | 633.73 |
| <b>3</b>     | 0.03 | 0.00 | 653.99 |
| <b>1</b>     | 0.01 | 0.00 | 332.23 |
| <b>0</b>     | 0.01 | 0.00 | 334.07 |
| <b>-1</b>    | 0.03 | 0.00 | 671.56 |
| <b>-3</b>    | 0.03 | 0.00 | 668.55 |
| <b>-5</b>    | 0.03 | 0.00 | 648.26 |
| <b>-7</b>    | 0.03 | 0.00 | 603.90 |
| <b>-9</b>    | 0.03 | 0.00 | 534.40 |
| <b>-11</b>   | 0.03 | 0.00 | 446.65 |
| <b>-13</b>   | 0.03 | 0.00 | 351.15 |
| <b>-15</b>   | 0.02 | 0.00 | 261.66 |
| <b>-17</b>   | 0.03 | 0.00 | 230.54 |
| <b>-19.5</b> | 0.03 | 0.00 | 182.28 |
| <b>-22.5</b> | 0.03 | 0.00 | 119.02 |
| <b>-25.5</b> | 0.03 | 0.00 | 94.41  |
| <b>-29</b>   | 0.03 | 0.00 | 75.26  |
| <b>-33</b>   | 0.03 | 0.00 | 63.56  |
| <b>-37.5</b> | 0.03 | 0.00 | 60.39  |
| <b>-42.5</b> | 0.02 | 0.00 | 56.43  |
| <b>-47.5</b> | 0.02 | 0.00 | 70.91  |
| <b>-55</b>   | 0.03 | 0.00 | 55.26  |
| <b>-65</b>   | 0.02 | 0.00 | 16.65  |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80-HGS.IES**

**LUMENS TABULATION - (Cont.)**

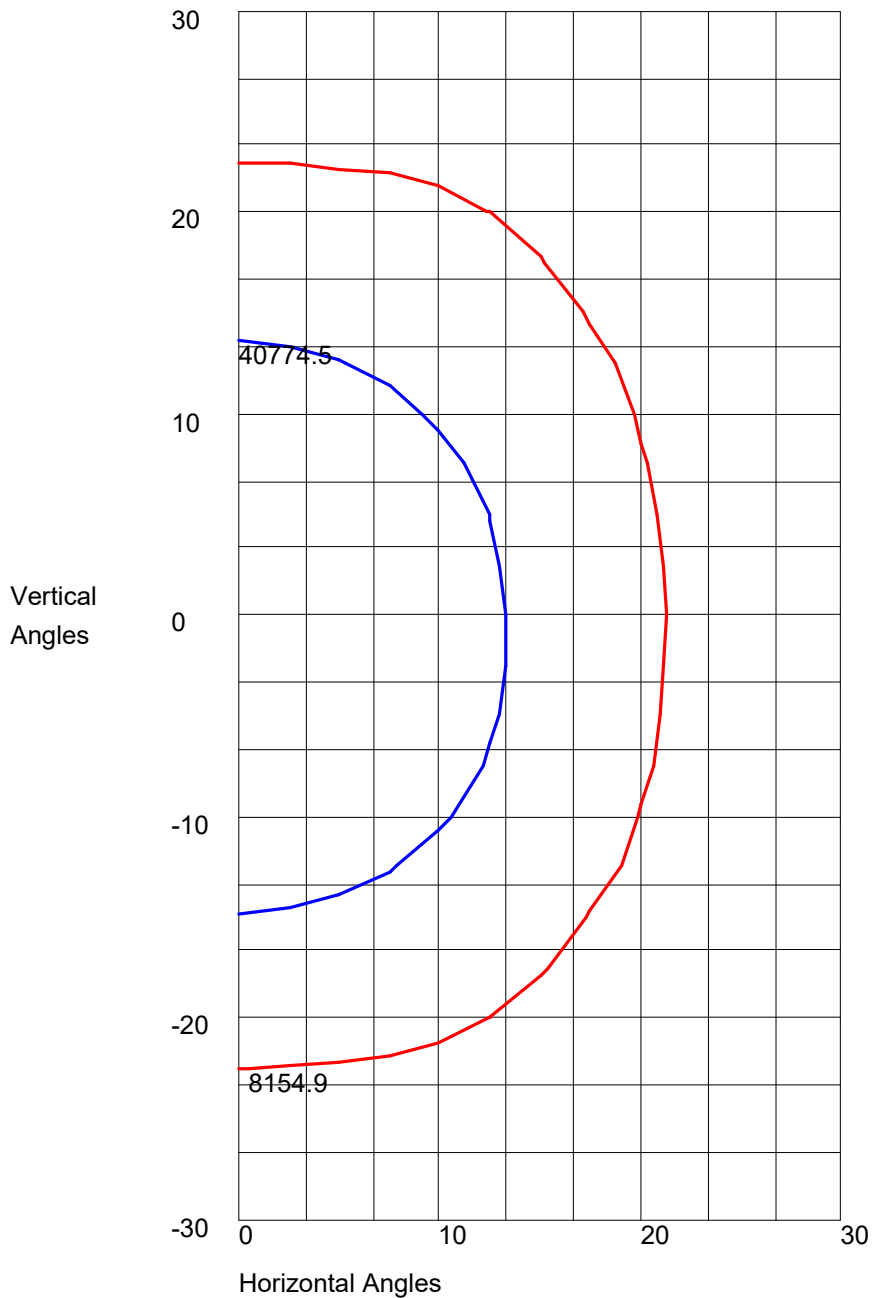
|              |      |      |          |
|--------------|------|------|----------|
| <b>-75</b>   | 0.01 | 0.00 | 1.81     |
| <b>-85</b>   | 0.00 | 0.00 | 0.46     |
| <b>-90</b>   |      |      |          |
| <b>Total</b> | 1.31 | 0.02 | 10962.17 |

AXIAL CANDELA DISPLAY



Maximum Candela = 81549 Located At Horizontal Angle = 0, Vertical Angle = -5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 81549 Located At Horizontal Angle = 0, Vertical Angle = -5  
50% Maximum Candela = 40774.5  
10% Maximum Candela = 8154.9