



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-40-80.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12461
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 03/05/21
 [TESTDATE] 01/25/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] PFL-LED-42L-PC-WF-40-80
 [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 | 6 H x 6 V |
| Maximum Candela | 36267 |
| Maximum Candela Angle | 0H -3V |
| Horizontal Beam Angle (50%) | 64.2 |
| Vertical Beam Angle (50%) | 65.7 |
| Horizontal Field Angle (10%) | 102.9 |
| Vertical Field Angle (10%) | 103.7 |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Beam Lumens | 28153 |
| Beam Efficiency | N.A. |
| Field Lumens | 40041 |
| Field Efficiency | N.A. |
| Spill Lumens | 3419 |
| Luminaire Lumens | 43460 |
| Total Efficiency | N.A. |
| Total Luminaire Watts | 304 |
| Ballast Factor | 1.00 |



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AXIAL CANDELA

| DEG. | HOR. | DEG. | VERT. |
|-------|-------|-------|-------|
| 90 | 0 | 90 | 0 |
| 85 | 125 | 85 | 129 |
| 75 | 280 | 75 | 328 |
| 65 | 667 | 65 | 883 |
| 55 | 2205 | 55 | 2422 |
| 47.5 | 5181 | 47.5 | 5300 |
| 42.5 | 7783 | 42.5 | 7974 |
| 37.5 | 11573 | 37.5 | 12037 |
| 33 | 17011 | 33 | 17911 |
| 29 | 22690 | 29 | 23636 |
| 25.5 | 26997 | 25.5 | 27347 |
| 22.5 | 29958 | 22.5 | 29517 |
| 19.5 | 32067 | 19.5 | 31167 |
| 17 | 33372 | 17 | 32359 |
| 15 | 34215 | 15 | 33261 |
| 13 | 34779 | 13 | 34067 |
| 11 | 35221 | 11 | 34744 |
| 9 | 35535 | 9 | 35307 |
| 7 | 35735 | 7 | 35761 |
| 5 | 35849 | 5 | 36092 |
| 3 | 35914 | 3 | 36267 |
| 1 | 36034 | 1 | 36186 |
| 0 | 36103 | 0 | 36103 |
| -1 | 36034 | -1 | 36186 |
| -3 | 35914 | -3 | 36267 |
| -5 | 35849 | -5 | 36092 |
| -7 | 35735 | -7 | 35761 |
| -9 | 35535 | -9 | 35307 |
| -11 | 35221 | -11 | 34744 |
| -13 | 34779 | -13 | 34067 |
| -15 | 34215 | -15 | 33261 |
| -17 | 33372 | -17 | 32359 |
| -19.5 | 32067 | -19.5 | 31167 |
| -22.5 | 29958 | -22.5 | 29517 |
| -25.5 | 26997 | -25.5 | 27347 |
| -29 | 22690 | -29 | 23636 |
| -33 | 17011 | -33 | 17911 |
| -37.5 | 11573 | -37.5 | 12037 |
| -42.5 | 7783 | -42.5 | 7974 |
| -47.5 | 5181 | -47.5 | 5300 |
| -55 | 2205 | -55 | 2422 |
| -65 | 667 | -65 | 883 |
| -75 | 280 | -75 | 328 |
| -85 | 125 | -85 | 129 |
| -90 | 0 | -90 | 0 |

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CANDELA TABULATION

Maximum Candela = 36267

Beam Edge = 18133.5 Cd (50% of Max.)

Field Edge = 3626.7 Cd (10% of Max.)

* Indicates Values Inside Field Edge

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | -90.0 | -85.0 | -75.0 | -65.0 | -55.0 | -47.5 | -42.5 | -37.5 | -33.0 | -29.0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85.0 | 0 | 10 | 35 | 58 | 76 | 82 | 87 | 93 | 99 | 105 |
| 75.0 | 0 | 30 | 85 | 126 | 177 | 207 | 223 | 244 | 266 | 307 |
| 65.0 | 0 | 50 | 126 | 226 | 364 | 470 | 547 | 620 | 683 | 734 |
| 55.0 | 0 | 67 | 166 | 330 | 591 | 840 | 1014 | 1216 | 1414 | 1586 |
| 47.5 | 0 | 80 | 193 | 404 | 794 | 1231 | 1574 | 1999 | 2439 | 2883 |
| 42.5 | 0 | 87 | 210 | 452 | 957 | 1552 | 2079 | 2753 | 3470 | 4173 * |
| 37.5 | 0 | 94 | 226 | 496 | 1127 | 1966 | 2733 | 3743 * | 4812 * | 5856 * |
| 33.0 | 0 | 100 | 237 | 535 | 1295 | 2403 | 3445 | 4816 * | 6210 * | 7586 * |
| 29.0 | 0 | 105 | 248 | 569 | 1439 | 2843 | 4153 * | 5839 * | 7582 * | 9507 * |
| 25.5 | 0 | 109 | 256 | 596 | 1594 | 3235 | 4798 * | 6760 * | 8937 * | 11338 * |
| 22.5 | 0 | 112 | 261 | 615 | 1714 | 3613 | 5340 * | 7540 * | 10164 * | 13100 * |
| 19.5 | 0 | 115 | 266 | 633 | 1827 | 3952 * | 5872 * | 8360 * | 11395 * | 15023 * |
| 17.0 | 0 | 117 | 270 | 644 | 1934 | 4217 * | 6259 * | 9002 * | 12501 * | 16779 * |
| 15.0 | 0 | 118 | 273 | 650 | 2008 | 4424 * | 6561 * | 9461 * | 13344 * | 18028 * |
| 13.0 | 0 | 120 | 275 | 653 | 2070 | 4607 * | 6846 * | 9971 * | 14098 * | 19160 * |
| 11.0 | 0 | 123 | 277 | 654 | 2122 | 4766 * | 7098 * | 10419 * | 14883 * | 20175 * |
| 9.0 | 0 | 124 | 279 | 660 | 2162 | 4900 * | 7311 * | 10798 * | 15583 * | 21061 * |
| 7.0 | 0 | 124 | 280 | 665 | 2191 | 5009 * | 7485 * | 11102 * | 16137 * | 21741 * |
| 5.0 | 0 | 124 | 282 | 668 | 2211 | 5091 * | 7618 * | 11329 * | 16553 * | 22229 * |
| 3.0 | 0 | 125 | 281 | 671 | 2233 | 5176 * | 7761 * | 11483 * | 16829 * | 22563 * |
| 1.0 | 0 | 125 | 280 | 668 | 2214 | 5179 * | 7776 * | 11572 * | 16988 * | 22691 * |
| 0.0 | 0 | 125 | 280 | 667 | 2205 | 5181 * | 7783 * | 11573 * | 17011 * | 22690 * |
| -1.0 | 0 | 125 | 280 | 668 | 2214 | 5179 * | 7776 * | 11572 * | 16988 * | 22691 * |
| -3.0 | 0 | 125 | 281 | 671 | 2233 | 5176 * | 7761 * | 11483 * | 16829 * | 22563 * |
| -5.0 | 0 | 124 | 282 | 668 | 2211 | 5091 * | 7618 * | 11329 * | 16553 * | 22229 * |
| -7.0 | 0 | 124 | 280 | 665 | 2191 | 5009 * | 7485 * | 11102 * | 16137 * | 21741 * |
| -9.0 | 0 | 124 | 279 | 660 | 2162 | 4900 * | 7311 * | 10798 * | 15583 * | 21061 * |
| -11.0 | 0 | 123 | 277 | 654 | 2122 | 4766 * | 7098 * | 10419 * | 14883 * | 20175 * |
| -13.0 | 0 | 120 | 275 | 653 | 2070 | 4607 * | 6846 * | 9971 * | 14098 * | 19160 * |
| -15.0 | 0 | 118 | 273 | 650 | 2008 | 4424 * | 6561 * | 9461 * | 13344 * | 18028 * |
| -17.0 | 0 | 117 | 270 | 644 | 1934 | 4217 * | 6259 * | 9002 * | 12501 * | 16779 * |
| -19.5 | 0 | 115 | 266 | 633 | 1827 | 3952 * | 5872 * | 8360 * | 11395 * | 15023 * |
| -22.5 | 0 | 112 | 261 | 615 | 1714 | 3613 | 5340 * | 7540 * | 10164 * | 13100 * |
| -25.5 | 0 | 109 | 256 | 596 | 1594 | 3235 | 4798 * | 6760 * | 8937 * | 11338 * |
| -29.0 | 0 | 105 | 248 | 569 | 1439 | 2843 | 4153 * | 5839 * | 7582 * | 9507 * |
| -33.0 | 0 | 100 | 237 | 535 | 1295 | 2403 | 3445 | 4816 * | 6210 * | 7586 * |
| -37.5 | 0 | 94 | 226 | 496 | 1127 | 1966 | 2733 | 3743 * | 4812 * | 5856 * |
| -42.5 | 0 | 87 | 210 | 452 | 957 | 1552 | 2079 | 2753 | 3470 | 4173 * |
| -47.5 | 0 | 80 | 193 | 404 | 794 | 1231 | 1574 | 1999 | 2439 | 2883 |
| -55.0 | 0 | 67 | 166 | 330 | 591 | 840 | 1014 | 1216 | 1414 | 1586 |
| -65.0 | 0 | 50 | 126 | 226 | 364 | 470 | 547 | 620 | 683 | 734 |
| -75.0 | 0 | 30 | 85 | 126 | 177 | 207 | 223 | 244 | 266 | 307 |
| -85.0 | 0 | 10 | 35 | 58 | 76 | 82 | 87 | 93 | 99 | 105 |
| -90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

| Vert. 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 | 110 | 113 | 115 | 117 | 119 | 120 | 124 | 124 | 125 | 126 |
| 75.0 | 339 | 354 | 358 | 360 | 361 | 358 | 353 | 347 | 341 | 335 |
| 65.0 | 777 | 806 | 832 | 851 | 865 | 875 | 879 | 881 | 881 | 878 |
| 55.0 | 1748 | 1867 | 1986 | 2098 | 2176 | 2243 | 2303 | 2352 | 2389 | 2415 |
| 47.5 | 3268 | 3641 * | 3987 * | 4264 * | 4481 * | 4676 * | 4846 * | 4986 * | 5101 * | 5189 * |
| 42.5 | 4844 * | 5413 * | 5996 * | 6434 * | 6751 * | 7044 * | 7301 * | 7518 * | 7690 * | 7816 * |
| 37.5 | 6826 * | 7661 * | 8540 * | 9239 * | 9737 * | 10273 * | 10747 * | 11156 * | 11502 * | 11773 * |
| 33.0 | 8984 * | 10273 * | 11607 * | 12781 * | 13651 * | 14427 * | 15289 * | 16104 * | 16769 * | 17272 * |
| 29.0 | 11358 * | 13308 * | 15364 * | 17165 * | 18498 * | 19701 * | 20786 * | 21743 * | 22488 * | 23009 * |
| 25.5 | 13901 * | 16582 * | 19199 * | 21213 * | 22574 * | 23748 * | 24790 * | 25602 * | 26271 * | 26762 * |
| 22.5 | 16457 * | 19458 * | 22154 * | 24101 * | 25413 * | 26475 * | 27395 * | 28072 * | 28658 * | 29091 * |
| 19.5 | 18953 * | 22036 * | 24628 * | 26450 * | 27667 * | 28628 * | 29420 * | 29989 * | 30508 * | 30894 * |
| 17.0 | 20864 * | 23849 * | 26421 * | 28101 * | 29274 * | 30146 * | 30912 * | 31404 * | 31793 * | 32126 * |
| 15.0 | 22174 * | 25168 * | 27669 * | 29338 * | 30324 * | 31230 * | 31888 * | 32404 * | 32716 * | 33024 * |
| 13.0 | 23336 * | 26337 * | 28749 * | 30300 * | 31340 * | 32102 * | 32758 * | 33267 * | 33599 * | 33822 * |
| 11.0 | 24406 * | 27376 * | 29743 * | 31240 * | 32136 * | 32908 * | 33492 * | 33962 * | 34316 * | 34504 * |
| 9.0 | 25264 * | 28210 * | 30518 * | 31966 * | 32888 * | 33589 * | 34129 * | 34513 * | 34855 * | 35085 * |
| 7.0 | 25968 * | 28924 * | 31193 * | 32572 * | 33448 * | 34160 * | 34638 * | 34996 * | 35249 * | 35515 * |
| 5.0 | 26490 * | 29449 * | 31732 * | 33063 * | 33881 * | 34515 * | 35000 * | 35361 * | 35605 * | 35729 * |
| 3.0 | 26860 * | 29795 * | 32009 * | 33333 * | 34158 * | 34750 * | 35207 * | 35551 * | 35808 * | 35955 * |
| 1.0 | 27003 * | 29972 * | 32104 * | 33423 * | 34275 * | 34843 * | 35278 * | 35591 * | 35815 * | 35955 * |
| 0.0 | 26997 * | 29958 * | 32067 * | 33372 * | 34215 * | 34779 * | 35221 * | 35535 * | 35735 * | 35849 * |
| -1.0 | 27003 * | 29972 * | 32104 * | 33423 * | 34275 * | 34843 * | 35278 * | 35591 * | 35815 * | 35955 * |
| -3.0 | 26860 * | 29795 * | 32009 * | 33333 * | 34158 * | 34750 * | 35207 * | 35551 * | 35808 * | 35955 * |
| -5.0 | 26490 * | 29449 * | 31732 * | 33063 * | 33881 * | 34515 * | 35000 * | 35361 * | 35605 * | 35729 * |
| -7.0 | 25968 * | 28924 * | 31193 * | 32572 * | 33448 * | 34160 * | 34638 * | 34996 * | 35249 * | 35515 * |
| -9.0 | 25264 * | 28210 * | 30518 * | 31966 * | 32888 * | 33589 * | 34129 * | 34513 * | 34855 * | 35085 * |
| -11.0 | 24406 * | 27376 * | 29743 * | 31240 * | 32136 * | 32908 * | 33492 * | 33962 * | 34316 * | 34504 * |
| -13.0 | 23336 * | 26337 * | 28749 * | 30300 * | 31340 * | 32102 * | 32758 * | 33267 * | 33599 * | 33822 * |
| -15.0 | 22174 * | 25168 * | 27669 * | 29338 * | 30324 * | 31230 * | 31888 * | 32404 * | 32716 * | 33024 * |
| -17.0 | 20864 * | 23849 * | 26421 * | 28101 * | 29274 * | 30146 * | 30912 * | 31404 * | 31793 * | 32126 * |
| -19.5 | 18953 * | 22036 * | 24628 * | 26450 * | 27667 * | 28628 * | 29420 * | 29989 * | 30508 * | 30894 * |
| -22.5 | 16457 * | 19458 * | 22154 * | 24101 * | 25413 * | 26475 * | 27395 * | 28072 * | 28658 * | 29091 * |
| -25.5 | 13901 * | 16582 * | 19199 * | 21213 * | 22574 * | 23748 * | 24790 * | 25602 * | 26271 * | 26762 * |
| -29.0 | 11358 * | 13308 * | 15364 * | 17165 * | 18498 * | 19701 * | 20786 * | 21743 * | 22488 * | 23009 * |
| -33.0 | 8984 * | 10273 * | 11607 * | 12781 * | 13651 * | 14427 * | 15289 * | 16104 * | 16769 * | 17272 * |
| -37.5 | 6826 * | 7661 * | 8540 * | 9239 * | 9737 * | 10273 * | 10747 * | 11156 * | 11502 * | 11773 * |
| -42.5 | 4844 * | 5413 * | 5996 * | 6434 * | 6751 * | 7044 * | 7301 * | 7518 * | 7690 * | 7816 * |
| -47.5 | 3268 | 3641 * | 3987 * | 4264 * | 4481 * | 4676 * | 4846 * | 4986 * | 5101 * | 5189 * |
| -55.0 | 1748 | 1867 | 1986 | 2098 | 2176 | 2243 | 2303 | 2352 | 2389 | 2415 |
| -65.0 | 777 | 806 | 832 | 851 | 865 | 875 | 879 | 881 | 881 | 878 |
| -75.0 | 339 | 354 | 358 | 360 | 361 | 358 | 353 | 347 | 341 | 335 |
| -85.0 | 110 | 113 | 115 | 117 | 119 | 120 | 124 | 124 | 125 | 126 |
| -90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Vert. 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 | 127 | 128 | 129 | 128 | 127 | 126 | 125 | 124 | 124 | 120 |
| 75.0 | 332 | 329 | 328 | 329 | 332 | 335 | 341 | 347 | 353 | 358 |
| 65.0 | 884 | 883 | 883 | 883 | 884 | 878 | 881 | 881 | 879 | 875 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-40-80.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 55.0 | 2439 | 2428 | 2422 | 2428 | 2439 | 2415 | 2389 | 2352 | 2303 | 2243 |
| 47.5 | 5283 * | 5294 * | 5300 * | 5294 * | 5283 * | 5189 * | 5101 * | 4986 * | 4846 * | 4676 * |
| 42.5 | 7951 * | 7966 * | 7974 * | 7966 * | 7951 * | 7816 * | 7690 * | 7518 * | 7301 * | 7044 * |
| 37.5 | 11967 * | 12045 * | 12037 * | 12045 * | 11967 * | 11773 * | 11502 * | 11156 * | 10747 * | 10273 * |
| 33.0 | 17615 * | 17850 * | 17911 * | 17850 * | 17615 * | 17272 * | 16769 * | 16104 * | 15289 * | 14427 * |
| 29.0 | 23387 * | 23594 * | 23636 * | 23594 * | 23387 * | 23009 * | 22488 * | 21743 * | 20786 * | 19701 * |
| 25.5 | 27098 * | 27297 * | 27347 * | 27297 * | 27098 * | 26762 * | 26271 * | 25602 * | 24790 * | 23748 * |
| 22.5 | 29365 * | 29518 * | 29517 * | 29518 * | 29365 * | 29091 * | 28658 * | 28072 * | 27395 * | 26475 * |
| 19.5 | 31078 * | 31155 * | 31167 * | 31155 * | 31078 * | 30894 * | 30508 * | 29989 * | 29420 * | 28628 * |
| 17.0 | 32282 * | 32332 * | 32359 * | 32332 * | 32282 * | 32126 * | 31793 * | 31404 * | 30912 * | 30146 * |
| 15.0 | 33192 * | 33242 * | 33261 * | 33242 * | 33192 * | 33024 * | 32716 * | 32404 * | 31888 * | 31230 * |
| 13.0 | 33988 * | 33997 * | 34067 * | 33997 * | 33988 * | 33822 * | 33599 * | 33267 * | 32758 * | 32102 * |
| 11.0 | 34679 * | 34657 * | 34744 * | 34657 * | 34679 * | 34504 * | 34316 * | 33962 * | 33492 * | 32908 * |
| 9.0 | 35234 * | 35235 * | 35307 * | 35235 * | 35234 * | 35085 * | 34855 * | 34513 * | 34129 * | 33589 * |
| 7.0 | 35653 * | 35707 * | 35761 * | 35707 * | 35653 * | 35515 * | 35249 * | 34996 * | 34638 * | 34160 * |
| 5.0 | 35945 * | 36065 * | 36092 * | 36065 * | 35945 * | 35729 * | 35605 * | 35361 * | 35000 * | 34515 * |
| 3.0 | 36038 * | 36219 * | 36267 * | 36219 * | 36038 * | 35955 * | 35808 * | 35551 * | 35207 * | 34750 * |
| 1.0 | 36069 * | 36130 * | 36186 * | 36130 * | 36069 * | 35955 * | 35815 * | 35591 * | 35278 * | 34843 * |
| 0.0 | 35914 * | 36034 * | 36103 * | 36034 * | 35914 * | 35849 * | 35735 * | 35535 * | 35221 * | 34779 * |
| -1.0 | 36069 * | 36130 * | 36186 * | 36130 * | 36069 * | 35955 * | 35815 * | 35591 * | 35278 * | 34843 * |
| -3.0 | 36038 * | 36219 * | 36267 * | 36219 * | 36038 * | 35955 * | 35808 * | 35551 * | 35207 * | 34750 * |
| -5.0 | 35945 * | 36065 * | 36092 * | 36065 * | 35945 * | 35729 * | 35605 * | 35361 * | 35000 * | 34515 * |
| -7.0 | 35653 * | 35707 * | 35761 * | 35707 * | 35653 * | 35515 * | 35249 * | 34996 * | 34638 * | 34160 * |
| -9.0 | 35234 * | 35235 * | 35307 * | 35235 * | 35234 * | 35085 * | 34855 * | 34513 * | 34129 * | 33589 * |
| -11.0 | 34679 * | 34657 * | 34744 * | 34657 * | 34679 * | 34504 * | 34316 * | 33962 * | 33492 * | 32908 * |
| -13.0 | 33988 * | 33997 * | 34067 * | 33997 * | 33988 * | 33822 * | 33599 * | 33267 * | 32758 * | 32102 * |
| -15.0 | 33192 * | 33242 * | 33261 * | 33242 * | 33192 * | 33024 * | 32716 * | 32404 * | 31888 * | 31230 * |
| -17.0 | 32282 * | 32332 * | 32359 * | 32332 * | 32282 * | 32126 * | 31793 * | 31404 * | 30912 * | 30146 * |
| -19.5 | 31078 * | 31155 * | 31167 * | 31155 * | 31078 * | 30894 * | 30508 * | 29989 * | 29420 * | 28628 * |
| -22.5 | 29365 * | 29518 * | 29517 * | 29518 * | 29365 * | 29091 * | 28658 * | 28072 * | 27395 * | 26475 * |
| -25.5 | 27098 * | 27297 * | 27347 * | 27297 * | 27098 * | 26762 * | 26271 * | 25602 * | 24790 * | 23748 * |
| -29.0 | 23387 * | 23594 * | 23636 * | 23594 * | 23387 * | 23009 * | 22488 * | 21743 * | 20786 * | 19701 * |
| -33.0 | 17615 * | 17850 * | 17911 * | 17850 * | 17615 * | 17272 * | 16769 * | 16104 * | 15289 * | 14427 * |
| -37.5 | 11967 * | 12045 * | 12037 * | 12045 * | 11967 * | 11773 * | 11502 * | 11156 * | 10747 * | 10273 * |
| -42.5 | 7951 * | 7966 * | 7974 * | 7966 * | 7951 * | 7816 * | 7690 * | 7518 * | 7301 * | 7044 * |
| -47.5 | 5283 * | 5294 * | 5300 * | 5294 * | 5283 * | 5189 * | 5101 * | 4986 * | 4846 * | 4676 * |
| -55.0 | 2439 | 2428 | 2422 | 2428 | 2439 | 2415 | 2389 | 2352 | 2303 | 2243 |
| -65.0 | 884 | 883 | 883 | 883 | 884 | 878 | 881 | 881 | 879 | 875 |
| -75.0 | 332 | 329 | 328 | 329 | 332 | 335 | 341 | 347 | 353 | 358 |
| -85.0 | 127 | 128 | 129 | 128 | 127 | 126 | 125 | 124 | 124 | 120 |
| -90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Vert. Horizontal Angles
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 | 119 | 117 | 115 | 113 | 110 | 105 | 99 | 93 | 87 | 82 |
| 75.0 | 361 | 360 | 358 | 354 | 339 | 307 | 266 | 244 | 223 | 207 |
| 65.0 | 865 | 851 | 832 | 806 | 777 | 734 | 683 | 620 | 547 | 470 |
| 55.0 | 2176 | 2098 | 1986 | 1867 | 1748 | 1586 | 1414 | 1216 | 1014 | 840 |
| 47.5 | 4481 * | 4264 * | 3987 * | 3641 * | 3268 | 2883 | 2439 | 1999 | 1574 | 1231 |
| 42.5 | 6751 * | 6434 * | 5996 * | 5413 * | 4844 * | 4173 * | 3470 | 2753 | 2079 | 1552 |
| 37.5 | 9737 * | 9239 * | 8540 * | 7661 * | 6826 * | 5856 * | 4812 * | 3743 * | 2733 | 1966 |
| 33.0 | 13651 * | 12781 * | 11607 * | 10273 * | 8984 * | 7586 * | 6210 * | 4816 * | 3445 | 2403 |
| 29.0 | 18498 * | 17165 * | 15364 * | 13308 * | 11358 * | 9507 * | 7582 * | 5839 * | 4153 * | 2843 |
| 25.5 | 22574 * | 21213 * | 19199 * | 16582 * | 13901 * | 11338 * | 8937 * | 6760 * | 4798 * | 3235 |

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PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-40-80.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 22.5 | 25413 * | 24101 * | 22154 * | 19458 * | 16457 * | 13100 * | 10164 * | 7540 * | 5340 * | 3613 |
| 19.5 | 27667 * | 26450 * | 24628 * | 22036 * | 18953 * | 15023 * | 11395 * | 8360 * | 5872 * | 3952 * |
| 17.0 | 29274 * | 28101 * | 26421 * | 23849 * | 20864 * | 16779 * | 12501 * | 9002 * | 6259 * | 4217 * |
| 15.0 | 30324 * | 29338 * | 27669 * | 25168 * | 22174 * | 18028 * | 13344 * | 9461 * | 6561 * | 4424 * |
| 13.0 | 31340 * | 30300 * | 28749 * | 26337 * | 23336 * | 19160 * | 14098 * | 9971 * | 6846 * | 4607 * |
| 11.0 | 32136 * | 31240 * | 29743 * | 27376 * | 24406 * | 20175 * | 14883 * | 10419 * | 7098 * | 4766 * |
| 9.0 | 32888 * | 31966 * | 30518 * | 28210 * | 25264 * | 21061 * | 15583 * | 10798 * | 7311 * | 4900 * |
| 7.0 | 33448 * | 32572 * | 31193 * | 28924 * | 25968 * | 21741 * | 16137 * | 11102 * | 7485 * | 5009 * |
| 5.0 | 33881 * | 33063 * | 31732 * | 29449 * | 26490 * | 22229 * | 16553 * | 11329 * | 7618 * | 5091 * |
| 3.0 | 34158 * | 33333 * | 32009 * | 29795 * | 26860 * | 22563 * | 16829 * | 11483 * | 7761 * | 5176 * |
| 1.0 | 34275 * | 33423 * | 32104 * | 29972 * | 27003 * | 22691 * | 16988 * | 11572 * | 7776 * | 5179 * |
| 0.0 | 34215 * | 33372 * | 32067 * | 29958 * | 26997 * | 22690 * | 17011 * | 11573 * | 7783 * | 5181 * |
| -1.0 | 34275 * | 33423 * | 32104 * | 29972 * | 27003 * | 22691 * | 16988 * | 11572 * | 7776 * | 5179 * |
| -3.0 | 34158 * | 33333 * | 32009 * | 29795 * | 26860 * | 22563 * | 16829 * | 11483 * | 7761 * | 5176 * |
| -5.0 | 33881 * | 33063 * | 31732 * | 29449 * | 26490 * | 22229 * | 16553 * | 11329 * | 7618 * | 5091 * |
| -7.0 | 33448 * | 32572 * | 31193 * | 28924 * | 25968 * | 21741 * | 16137 * | 11102 * | 7485 * | 5009 * |
| -9.0 | 32888 * | 31966 * | 30518 * | 28210 * | 25264 * | 21061 * | 15583 * | 10798 * | 7311 * | 4900 * |
| -11.0 | 32136 * | 31240 * | 29743 * | 27376 * | 24406 * | 20175 * | 14883 * | 10419 * | 7098 * | 4766 * |
| -13.0 | 31340 * | 30300 * | 28749 * | 26337 * | 23336 * | 19160 * | 14098 * | 9971 * | 6846 * | 4607 * |
| -15.0 | 30324 * | 29338 * | 27669 * | 25168 * | 22174 * | 18028 * | 13344 * | 9461 * | 6561 * | 4424 * |
| -17.0 | 29274 * | 28101 * | 26421 * | 23849 * | 20864 * | 16779 * | 12501 * | 9002 * | 6259 * | 4217 * |
| -19.5 | 27667 * | 26450 * | 24628 * | 22036 * | 18953 * | 15023 * | 11395 * | 8360 * | 5872 * | 3952 * |
| -22.5 | 25413 * | 24101 * | 22154 * | 19458 * | 16457 * | 13100 * | 10164 * | 7540 * | 5340 * | 3613 |
| -25.5 | 22574 * | 21213 * | 19199 * | 16582 * | 13901 * | 11338 * | 8937 * | 6760 * | 4798 * | 3235 |
| -29.0 | 18498 * | 17165 * | 15364 * | 13308 * | 11358 * | 9507 * | 7582 * | 5839 * | 4153 * | 2843 |
| -33.0 | 13651 * | 12781 * | 11607 * | 10273 * | 8984 * | 7586 * | 6210 * | 4816 * | 3445 * | 2403 |
| -37.5 | 9737 * | 9239 * | 8540 * | 7661 * | 6826 * | 5856 * | 4812 * | 3743 * | 2733 * | 1966 |
| -42.5 | 6751 * | 6434 * | 5996 * | 5413 * | 4844 * | 4173 * | 3470 * | 2753 * | 2079 * | 1552 |
| -47.5 | 4481 * | 4264 * | 3987 * | 3641 * | 3268 * | 2883 * | 2439 * | 1999 * | 1574 * | 1231 |
| -55.0 | 2176 | 2098 | 1986 | 1867 | 1748 | 1586 | 1414 | 1216 | 1014 | 840 |
| -65.0 | 865 | 851 | 832 | 806 | 777 | 734 | 683 | 620 | 547 | 470 |
| -75.0 | 361 | 360 | 358 | 354 | 339 | 307 | 266 | 244 | 223 | 207 |
| -85.0 | 119 | 117 | 115 | 113 | 110 | 105 | 99 | 93 | 87 | 82 |
| -90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Vert. 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 | 76 | 58 | 35 | 10 | 0 |
| 75.0 | 177 | 126 | 85 | 30 | 0 |
| 65.0 | 364 | 226 | 126 | 50 | 0 |
| 55.0 | 591 | 330 | 166 | 67 | 0 |
| 47.5 | 794 | 404 | 193 | 80 | 0 |
| 42.5 | 957 | 452 | 210 | 87 | 0 |
| 37.5 | 1127 | 496 | 226 | 94 | 0 |
| 33.0 | 1295 | 535 | 237 | 100 | 0 |
| 29.0 | 1439 | 569 | 248 | 105 | 0 |
| 25.5 | 1594 | 596 | 256 | 109 | 0 |
| 22.5 | 1714 | 615 | 261 | 112 | 0 |
| 19.5 | 1827 | 633 | 266 | 115 | 0 |
| 17.0 | 1934 | 644 | 270 | 117 | 0 |
| 15.0 | 2008 | 650 | 273 | 118 | 0 |
| 13.0 | 2070 | 653 | 275 | 120 | 0 |
| 11.0 | 2122 | 654 | 277 | 123 | 0 |
| 9.0 | 2162 | 660 | 279 | 124 | 0 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-40-80.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|--------------|------|-----|-----|-----|---|
| 7.0 | 2191 | 665 | 280 | 124 | 0 |
| 5.0 | 2211 | 668 | 282 | 124 | 0 |
| 3.0 | 2233 | 671 | 281 | 125 | 0 |
| 1.0 | 2214 | 668 | 280 | 125 | 0 |
| 0.0 | 2205 | 667 | 280 | 125 | 0 |
| -1.0 | 2214 | 668 | 280 | 125 | 0 |
| -3.0 | 2233 | 671 | 281 | 125 | 0 |
| -5.0 | 2211 | 668 | 282 | 124 | 0 |
| -7.0 | 2191 | 665 | 280 | 124 | 0 |
| -9.0 | 2162 | 660 | 279 | 124 | 0 |
| -11.0 | 2122 | 654 | 277 | 123 | 0 |
| -13.0 | 2070 | 653 | 275 | 120 | 0 |
| -15.0 | 2008 | 650 | 273 | 118 | 0 |
| -17.0 | 1934 | 644 | 270 | 117 | 0 |
| -19.5 | 1827 | 633 | 266 | 115 | 0 |
| -22.5 | 1714 | 615 | 261 | 112 | 0 |
| -25.5 | 1594 | 596 | 256 | 109 | 0 |
| -29.0 | 1439 | 569 | 248 | 105 | 0 |
| -33.0 | 1295 | 535 | 237 | 100 | 0 |
| -37.5 | 1127 | 496 | 226 | 94 | 0 |
| -42.5 | 957 | 452 | 210 | 87 | 0 |
| -47.5 | 794 | 404 | 193 | 80 | 0 |
| -55.0 | 591 | 330 | 166 | 67 | 0 |
| -65.0 | 364 | 226 | 126 | 50 | 0 |
| -75.0 | 177 | 126 | 85 | 30 | 0 |
| -85.0 | 76 | 58 | 35 | 10 | 0 |
| -90.0 | 0 | 0 | 0 | 0 | 0 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-40-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 21729.9

Total Field Lumens (one side of beam only) = 20020.56

* Indicates Values Inside Field Edge

| Vert. 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 | 0.10 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.18 | 0.18 | 0.17 |
| 75 | 0.70 | 1.39 | 1.40 | 1.40 | 1.40 | 1.41 | 1.42 | 1.42 | 1.42 | 1.40 |
| 65 | 1.85 | 3.70 | 3.69 | 3.69 | 3.69 | 3.70 | 3.69 | 3.67 | 3.63 | 3.57 |
| 55 | 5.04 | 10.10 | 10.05 | 9.94 | 9.81 | 9.62 | 9.39 | 9.10 | 8.77 | 8.43 |
| 47.5 | 8.82 * | 17.63 * | 17.46 * | 17.15 * | 16.77 * | 16.30 | 15.72 | 15.05 | 14.29 | 13.73 |
| 42.5 | 10.10 * | 20.16 * | 19.93 * | 19.54 * | 19.07 * | 18.49 * | 17.78 * | 16.96 * | 16.05 * | 15.70 * |
| 37.5 | 15.24 * | 30.39 * | 30.01 * | 29.37 * | 28.55 * | 27.54 * | 26.34 * | 24.98 * | 23.54 * | 22.31 * |
| 33 | 20.51 * | 40.74 * | 40.08 * | 39.07 * | 37.69 * | 35.97 * | 34.01 * | 31.98 * | 29.92 * | 27.31 * |
| 29 | 25.28 * | 50.20 * | 49.40 * | 48.19 * | 46.51 * | 44.35 * | 41.83 * | 39.18 * | 36.36 * | 33.16 * |
| 25.5 | 27.15 * | 54.01 * | 53.31 * | 52.23 * | 50.73 * | 48.78 * | 46.42 * | 43.72 * | 40.71 * | 37.16 * |
| 22.5 | 25.97 * | 51.73 * | 51.19 * | 50.34 * | 49.14 * | 47.63 * | 45.77 * | 43.54 * | 40.98 * | 37.01 * |
| 19.5 | 27.72 * | 55.30 * | 54.89 * | 54.14 * | 53.04 * | 51.69 * | 50.02 * | 47.96 * | 45.52 * | 42.79 * |
| 17 | 24.18 * | 48.27 * | 48.00 * | 47.45 * | 46.64 * | 45.64 * | 44.36 * | 42.75 * | 40.81 * | 37.73 * |
| 15 | 19.98 * | 39.89 * | 39.69 * | 39.28 * | 38.71 * | 37.98 * | 37.00 * | 35.75 * | 34.27 * | 32.33 * |
| 13 | 20.49 * | 40.92 * | 40.73 * | 40.34 * | 39.81 * | 39.09 * | 38.13 * | 36.94 * | 35.52 * | 33.96 * |
| 11 | 20.94 * | 41.80 * | 41.63 * | 41.27 * | 40.76 * | 40.04 * | 39.11 * | 37.97 * | 36.60 * | 34.40 * |
| 9 | 21.31 * | 42.56 * | 42.39 * | 42.04 * | 41.52 * | 40.83 * | 39.96 * | 38.87 * | 37.55 * | 35.64 * |
| 7 | 21.63 * | 43.18 * | 42.99 * | 42.62 * | 42.11 * | 41.48 * | 40.67 * | 39.63 * | 38.32 * | 36.65 * |
| 5 | 21.87 * | 43.64 * | 43.40 * | 43.05 * | 42.59 * | 41.99 * | 41.21 * | 40.20 * | 38.93 * | 37.49 * |
| 3 | 22.03 * | 43.92 * | 43.65 * | 43.35 * | 42.93 * | 42.33 * | 41.56 * | 40.58 * | 39.36 * | 37.86 * |
| 1 | 22.05 * | 43.97 * | 43.76 * | 43.48 * | 43.06 * | 42.48 * | 41.74 * | 40.79 * | 39.58 * | 38.32 * |
| 0 | 11.00 * | 21.94 * | 21.85 * | 21.71 * | 21.52 * | 21.24 * | 20.87 * | 20.41 * | 19.81 * | 19.08 * |
| -1 | 11.00 * | 21.94 * | 21.85 * | 21.71 * | 21.52 * | 21.24 * | 20.87 * | 20.41 * | 19.81 * | 19.08 * |
| | 22.05 * | 43.97 * | 43.76 * | 43.48 * | 43.06 * | 42.48 * | 41.74 * | 40.79 * | 39.58 * | 38.32 * |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-40-80.IES

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -3 | 22.03 * | 43.92 * | 43.65 * | 43.35 * | 42.93 * | 42.33 * | 41.56 * | 40.58 * | 39.36 * | 47.06 * |
| -5 | 21.87 * | 43.64 * | 43.40 * | 43.05 * | 42.59 * | 41.99 * | 41.21 * | 40.20 * | 38.93 * | 46.49 * |
| -7 | 21.63 * | 43.18 * | 42.99 * | 42.62 * | 42.11 * | 41.48 * | 40.67 * | 39.63 * | 38.32 * | 45.65 * |
| -9 | 21.31 * | 42.56 * | 42.39 * | 42.04 * | 41.52 * | 40.83 * | 39.96 * | 38.87 * | 37.55 * | 44.64 * |
| -11 | 20.94 * | 41.80 * | 41.63 * | 41.27 * | 40.76 * | 40.04 * | 39.11 * | 37.97 * | 36.60 * | 43.40 * |
| -13 | 20.49 * | 40.92 * | 40.73 * | 40.34 * | 39.81 * | 39.09 * | 38.13 * | 36.94 * | 35.52 * | 41.96 * |
| -15 | 19.98 * | 39.89 * | 39.69 * | 39.28 * | 38.71 * | 37.98 * | 37.00 * | 35.75 * | 34.27 * | 40.33 * |
| -17 | 24.18 * | 48.27 * | 48.00 * | 47.45 * | 46.64 * | 45.64 * | 44.36 * | 42.75 * | 40.81 * | 47.73 * |
| -19.5 | 27.72 * | 55.30 * | 54.89 * | 54.14 * | 53.04 * | 51.69 * | 50.02 * | 47.96 * | 45.52 * | 52.79 * |
| -22.5 | 25.97 * | 51.73 * | 51.19 * | 50.34 * | 49.14 * | 47.63 * | 45.77 * | 43.54 * | 40.98 * | 47.01 * |
| -25.5 | 27.15 * | 54.01 * | 53.31 * | 52.23 * | 50.73 * | 48.78 * | 46.42 * | 43.72 * | 40.71 * | 46.16 * |
| -29 | 25.28 * | 50.20 * | 49.40 * | 48.19 * | 46.51 * | 44.35 * | 41.83 * | 39.18 * | 36.36 * | 41.16 * |
| -33 | 20.51 * | 40.74 * | 40.08 * | 39.07 * | 37.69 * | 35.97 * | 34.01 * | 31.98 * | 29.92 * | 34.31 * |
| -37.5 | 15.24 * | 30.39 * | 30.01 * | 29.37 * | 28.55 * | 27.54 * | 26.34 * | 24.98 * | 23.54 * | 27.31 * |
| -42.5 | 10.10 * | 20.16 * | 19.93 * | 19.54 * | 19.07 * | 18.49 * | 17.78 * | 16.96 * | 16.05 * | 18.70 * |
| -47.5 | 8.82 * | 17.63 * | 17.46 * | 17.15 * | 16.77 * | 16.30 | 15.72 | 15.05 | 14.29 | 16.73 |
| -55 | 5.04 | 10.10 | 10.05 | 9.94 | 9.81 | 9.62 | 9.39 | 9.10 | 8.77 | 10.43 |
| -65 | 1.85 | 3.70 | 3.69 | 3.69 | 3.70 | 3.69 | 3.67 | 3.63 | 3.57 | 4.34 |
| -75 | 0.70 | 1.39 | 1.40 | 1.40 | 1.41 | 1.42 | 1.42 | 1.42 | 1.40 | 1.72 |
| -85 | 0.10 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.18 | 0.18 | 0.17 | 0.21 |
| -90 | | | | | | | | | | |
| Total | 747.92 | 1491.25 | 1479.41 | 1459.68 | 1432.55 | 1397.55 | 1354.31 | 1303.17 | 1244.06 | 1458.21 |

Vert. Horizontal Angles

| Angles | 19.5 | 22.5 | 25.5 | 29 | 33 | 37.5 | 42.5 | 47.5 | 55 | 65 |
|---------------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-------------|-----------|-----------|
| 90 | 0.24 | 0.23 | 0.25 | 0.27 | 0.27 | 0.26 | 0.23 | 0.28 | 0.25 | 0.12 |
| 85 | 2.00 | 1.91 | 2.04 | 2.03 | 1.96 | 1.89 | 1.61 | 1.94 | 1.66 | 0.79 |
| 75 | 5.01 | 4.75 | 5.11 | 5.19 | 5.07 | 4.76 | 3.89 | 4.35 | 3.40 | 1.46 |
| 65 | 11.71 | 10.85 | 11.48 | 11.53 | 11.00 | 9.91 | 7.73 | 8.09 | 5.75 | 2.21 |
| 55 | 18.36 | 16.47 | 16.85 | 16.29 | 14.83 | 12.69 | 9.41 | 9.26 | 6.04 | 2.13 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-40-80.IES

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|------|------|
| 47.5 | | | | | | | | | | |
| | 20.30 * | 17.91 * | 17.97 * | 16.92 | 14.91 | 12.25 | 8.66 | 8.10 | 4.96 | 1.64 |
| 42.5 | 29.44 * | 25.82 * | 25.70 * | 23.90 * | 20.67 * | 16.49 | 11.21 | 10.01 | 5.77 | 1.80 |
| 37.5 | 36.55 * | 31.69 * | 31.19 * | 28.74 * | 24.65 * | 19.34 * | 12.77 | 10.92 | 5.91 | 1.75 |
| 33 | 43.12 * | 36.66 * | 35.48 * | 32.25 * | 27.36 * | 21.29 * | 13.83 | 11.40 | 5.84 | 1.65 |
| 29 | 48.11 * | 40.28 * | 38.23 * | 34.14 * | 28.51 * | 21.99 * | 14.16 * | 11.39 | 5.59 | 1.52 |
| 25.5 | 49.52 * | 41.57 * | 38.95 * | 34.10 * | 28.04 * | 21.38 * | 13.72 * | 10.88 | 5.16 | 1.35 |
| 22.5 | 56.48 * | 48.15 * | 45.16 * | 38.91 * | 31.44 * | 23.72 * | 15.16 * | 11.90 | 5.46 | 1.39 |
| 19.5 | 51.68 * | 44.71 * | 42.42 * | 36.35 * | 28.86 * | 21.50 * | 13.66 * | 10.65 | 4.79 | 1.18 |
| 17 | 43.98 * | 38.42 * | 36.89 * | 31.67 * | 24.79 * | 18.24 * | 11.55 * | 8.99 | 3.98 | 0.96 |
| 15 | 46.03 * | 40.49 * | 39.19 * | 33.74 * | 26.23 * | 19.15 * | 12.08 * | 9.37 | 4.09 | 0.96 |
| 13 | 47.86 * | 42.34 * | 41.26 * | 35.67 * | 27.63 * | 20.02 * | 12.55 * | 9.69 | 4.18 | 0.97 |
| 11 | 49.41 * | 43.93 * | 43.08 * | 37.44 * | 28.92 * | 20.78 * | 12.96 * | 9.97 | 4.26 | 0.97 |
| 9 | 50.69 * | 45.23 * | 44.56 * | 38.91 * | 30.00 * | 21.40 * | 13.30 * | 10.19 | 4.32 | 0.98 |
| 7 | 51.74 * | 46.26 * | 45.69 * | 40.02 * | 30.84 * | 21.89 * | 13.57 * | 10.36 | 4.36 | 0.99 |
| 5 | 52.46 * | 46.99 * | 46.50 * | 40.82 * | 31.44 * | 22.27 * | 13.81 * | 10.51 * | 4.40 | 0.99 |
| 3 | 52.84 * | 47.43 * | 46.97 * | 41.28 * | 31.82 * | 22.51 * | 13.94 * | 10.58 * | 4.40 | 0.99 |
| 1 | 26.47 * | 23.78 * | 23.55 * | 20.72 * | 15.99 * | 11.29 * | 6.98 * | 5.28 * | 2.19 | 0.49 |
| 0 | 26.47 * | 23.78 * | 23.55 * | 20.72 * | 15.99 * | 11.29 * | 6.98 * | 5.28 * | 2.19 | 0.49 |
| -1 | 52.84 * | 47.43 * | 46.97 * | 41.28 * | 31.82 * | 22.51 * | 13.94 * | 10.58 * | 4.40 | 0.99 |
| -3 | 52.46 * | 46.99 * | 46.50 * | 40.82 * | 31.44 * | 22.27 * | 13.81 * | 10.51 * | 4.40 | 0.99 |
| -5 | 51.74 * | 46.26 * | 45.69 * | 40.02 * | 30.84 * | 21.89 * | 13.57 * | 10.36 | 4.36 | 0.99 |
| -7 | 50.69 * | 45.23 * | 44.56 * | 38.91 * | 30.00 * | 21.40 * | 13.30 * | 10.19 | 4.32 | 0.98 |
| -9 | 49.41 * | 43.93 * | 43.08 * | 37.44 * | 28.92 * | 20.78 * | 12.96 * | 9.97 | 4.26 | 0.97 |
| -11 | 47.86 * | 42.34 * | 41.26 * | 35.67 * | 27.63 * | 20.02 * | 12.55 * | 9.69 | 4.18 | 0.97 |
| -13 | 46.03 * | 40.49 * | 39.19 * | 33.74 * | 26.23 * | 19.15 * | 12.08 * | 9.37 | 4.09 | 0.96 |
| -15 | 43.98 * | 38.42 * | 36.89 * | 31.67 * | 24.79 * | 18.24 * | 11.55 * | 8.99 | 3.98 | 0.96 |
| -17 | 51.68 * | 44.71 * | 42.42 * | 36.35 * | 28.86 * | 21.50 * | 13.66 * | 10.65 | 4.79 | 1.18 |
| -19.5 | 56.48 * | 48.15 * | 45.16 * | 38.91 * | 31.44 * | 23.72 * | 15.16 * | 11.90 | 5.46 | 1.39 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-40-80.IES

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|-------|
| -22.5 | 49.52 * | 41.57 * | 38.95 * | 34.10 * | 28.04 * | 21.38 * | 13.72 * | 10.88 | 5.16 | 1.35 |
| -25.5 | 48.11 * | 40.28 * | 38.23 * | 34.14 * | 28.51 * | 21.99 * | 14.16 * | 11.39 | 5.59 | 1.52 |
| -29 | 43.12 * | 36.66 * | 35.48 * | 32.25 * | 27.36 * | 21.29 * | 13.83 | 11.40 | 5.84 | 1.65 |
| -33 | 36.55 * | 31.69 * | 31.19 * | 28.74 * | 24.65 * | 19.34 * | 12.77 | 10.92 | 5.91 | 1.75 |
| -37.5 | 29.44 * | 25.82 * | 25.70 * | 23.90 * | 20.67 * | 16.49 | 11.21 | 10.01 | 5.77 | 1.80 |
| -42.5 | 20.30 * | 17.91 * | 17.97 * | 16.92 | 14.91 | 12.25 | 8.66 | 8.10 | 4.96 | 1.64 |
| -47.5 | 18.36 | 16.47 | 16.85 | 16.29 | 14.83 | 12.69 | 9.41 | 9.26 | 6.04 | 2.13 |
| -55 | 11.71 | 10.85 | 11.48 | 11.53 | 11.00 | 9.91 | 7.73 | 8.09 | 5.75 | 2.21 |
| -65 | 5.01 | 4.75 | 5.11 | 5.19 | 5.07 | 4.76 | 3.89 | 4.35 | 3.40 | 1.46 |
| -75 | 2.00 | 1.91 | 2.04 | 2.03 | 1.96 | 1.89 | 1.61 | 1.94 | 1.66 | 0.79 |
| -85 | 0.24 | 0.23 | 0.25 | 0.27 | 0.27 | 0.26 | 0.23 | 0.28 | 0.25 | 0.12 |
| -90 | | | | | | | | | | |
| Total | 1588.00 | 1391.76 | 1357.01 | 1201.79 | 970.53 | 730.04 | 473.54 | 388.23 | 193.50 | 54.57 |

| Vert. Angles | Horizontal Angles | | | |
|-----------------|-------------------|-----------|-----------|--------------|
| | <u>75</u> | <u>85</u> | <u>90</u> | <u>Total</u> |
| 90 | | | | |
| | 0.03 | 0.00 | | 4.23 |
| 85 | | | | |
| | 0.21 | 0.01 | | 31.74 |
| 75 | | | | |
| | 0.38 | 0.01 | | 78.93 |
| 65 | | | | |
| | 0.54 | 0.02 | | 183.05 |
| 55 | | | | |
| | 0.50 | 0.02 | | 278.78 |
| 47.5 | | | | |
| | 0.38 | 0.01 | | 300.80 |
| 42.5 | | | | |
| | 0.41 | 0.02 | | 434.50 |
| 37.5 | | | | |
| | 0.39 | 0.01 | | 548.17 |
| 33 | | | | |
| | 0.36 | 0.01 | | 651.73 |
| 29 | | | | |
| | 0.33 | 0.01 | | 707.48 |
| 25.5 | | | | |
| | 0.29 | 0.01 | | 698.24 |
| 22.5 | | | | |
| | 0.30 | 0.01 | | 771.15 |
| 19.5 | | | | |
| | 0.25 | 0.01 | | 691.90 |
| 17 | | | | |
| | 0.21 | 0.01 | | 582.56 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-40-80.IES

LUMENS TABULATION - (Cont.)

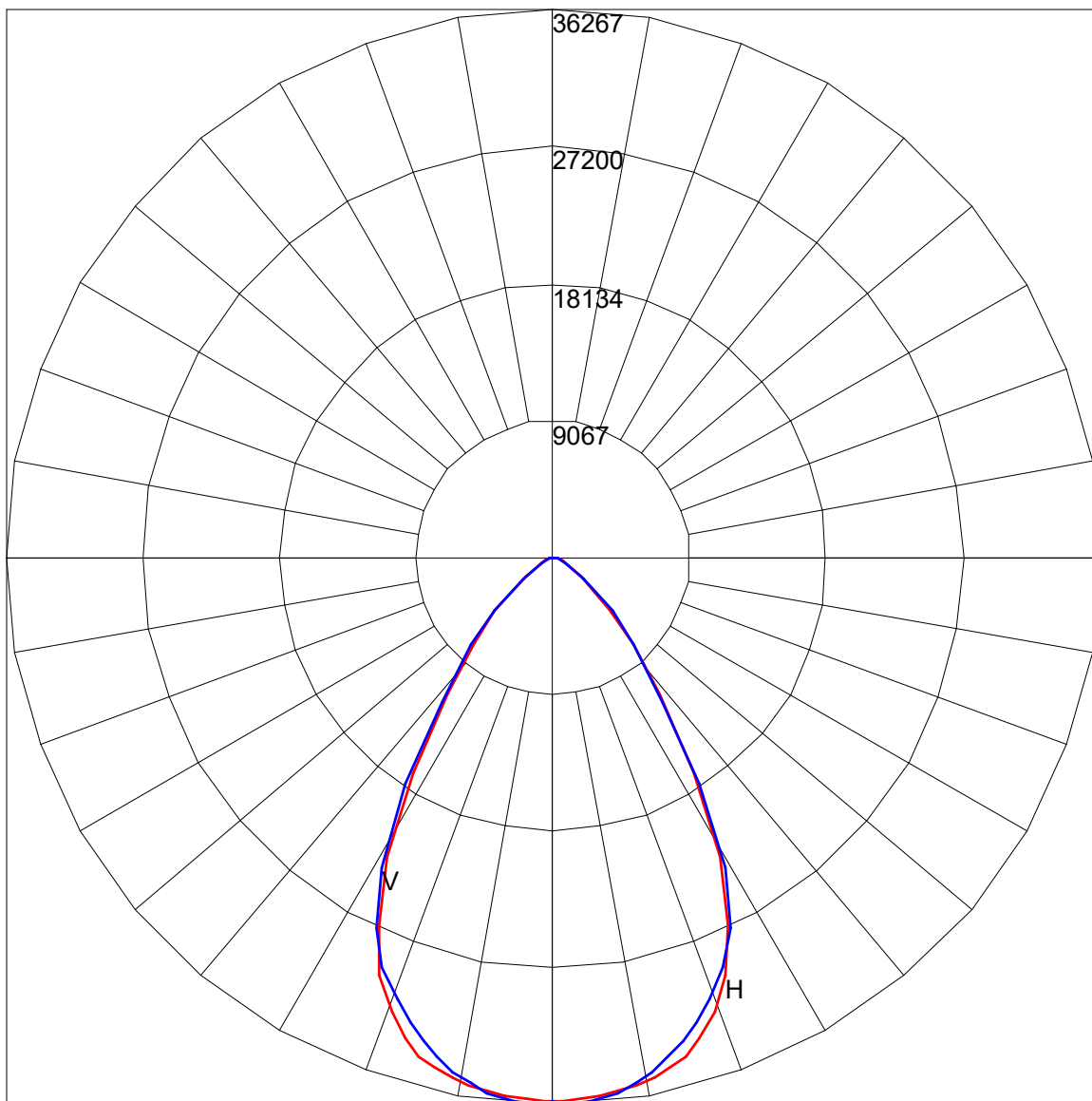
| | | | |
|--------------|------|------|--------|
| 15 | 0.21 | 0.01 | 605.49 |
| 13 | 0.21 | 0.01 | 625.93 |
| 11 | 0.21 | 0.01 | 643.59 |
| 9 | 0.21 | 0.01 | 658.09 |
| 7 | 0.21 | 0.01 | 669.33 |
| 5 | 0.21 | 0.01 | 677.18 |
| 3 | 0.21 | 0.01 | 681.22 |
| 1 | 0.11 | 0.00 | 340.86 |
| 0 | 0.11 | 0.00 | 340.86 |
| -1 | 0.21 | 0.01 | 681.22 |
| -3 | 0.21 | 0.01 | 677.18 |
| -5 | 0.21 | 0.01 | 669.33 |
| -7 | 0.21 | 0.01 | 658.09 |
| -9 | 0.21 | 0.01 | 643.59 |
| -11 | 0.21 | 0.01 | 625.93 |
| -13 | 0.21 | 0.01 | 605.49 |
| -15 | 0.21 | 0.01 | 582.56 |
| -17 | 0.25 | 0.01 | 691.90 |
| -19.5 | 0.30 | 0.01 | 771.15 |
| -22.5 | 0.29 | 0.01 | 698.24 |
| -25.5 | 0.33 | 0.01 | 707.48 |
| -29 | 0.36 | 0.01 | 651.73 |
| -33 | 0.39 | 0.01 | 548.17 |
| -37.5 | 0.41 | 0.02 | 434.50 |
| -42.5 | 0.38 | 0.01 | 300.80 |
| -47.5 | 0.50 | 0.02 | 278.78 |
| -55 | 0.54 | 0.02 | 183.05 |
| -65 | 0.38 | 0.01 | 78.93 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-42L-PC-WF-40-80.IES

LUMENS TABULATION - (Cont.)

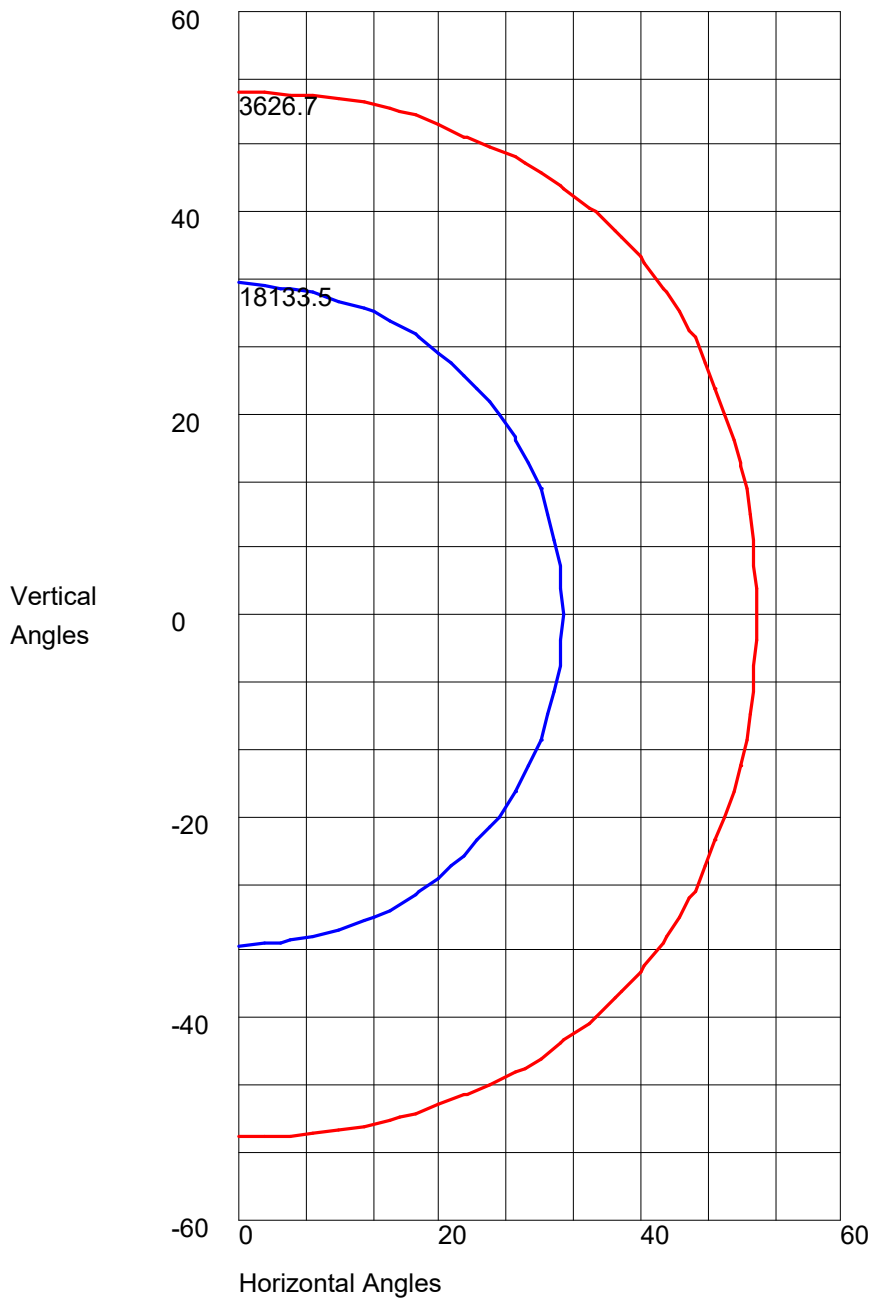
| | | | |
|--------------|-------|------|----------|
| -75 | 0.21 | 0.01 | 31.74 |
| -85 | 0.03 | 0.00 | 4.23 |
| -90 | | | |
| Total | 12.36 | 0.46 | 21729.91 |

AXIAL CANDELA DISPLAY



Maximum Candela = 36267 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 36267 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 18133.5
10% Maximum Candela = 3626.7