



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12454
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/05/21
[TEST DATE] 01/21/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-16L-PC-VWF-50-80
[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 | 7 H x 7 V |
| Maximum Candela | 4333 |
| Maximum Candela Angle | -42.5H -75V |
| Horizontal Beam Angle (50%) | 121.4 |
| Vertical Beam Angle (50%) | 163.9 |
| Horizontal Field Angle (10%) | 148.3 |
| Vertical Field Angle (10%) | 176.5 |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Beam Lumens | 13176 |
| Beam Efficiency | N.A. |
| Field Lumens | 16008 |
| Field Efficiency | N.A. |
| Spill Lumens | 54 |
| Luminaire Lumens | 16062 |
| Total Efficiency | N.A. |
| Total Luminaire Watts | 142 |
| Ballast Factor | 1.00 |



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AXIAL CANDELA

| DEG. | HOR. | DEG. | VERT. |
|-------|------|-------|-------|
| 90 | 0 | 90 | 1 |
| 85 | 290 | 85 | 374 |
| 75 | 3019 | 75 | 2931 |
| 65 | 3672 | 65 | 3549 |
| 55 | 3091 | 55 | 3079 |
| 47.5 | 2716 | 47.5 | 2763 |
| 42.5 | 2506 | 42.5 | 2559 |
| 37.5 | 2320 | 37.5 | 2367 |
| 33 | 2169 | 33 | 2209 |
| 29 | 2046 | 29 | 2074 |
| 25.5 | 1948 | 25.5 | 1963 |
| 22.5 | 1876 | 22.5 | 1881 |
| 19.5 | 1814 | 19.5 | 1811 |
| 17 | 1769 | 17 | 1761 |
| 15 | 1737 | 15 | 1725 |
| 13 | 1711 | 13 | 1695 |
| 11 | 1690 | 11 | 1670 |
| 9 | 1672 | 9 | 1650 |
| 7 | 1657 | 7 | 1634 |
| 5 | 1647 | 5 | 1622 |
| 3 | 1641 | 3 | 1615 |
| 1 | 1627 | 1 | 1617 |
| 0 | 1619 | 0 | 1619 |
| -1 | 1627 | -1 | 1617 |
| -3 | 1641 | -3 | 1615 |
| -5 | 1647 | -5 | 1622 |
| -7 | 1657 | -7 | 1634 |
| -9 | 1672 | -9 | 1650 |
| -11 | 1690 | -11 | 1670 |
| -13 | 1711 | -13 | 1695 |
| -15 | 1737 | -15 | 1725 |
| -17 | 1769 | -17 | 1761 |
| -19.5 | 1814 | -19.5 | 1811 |
| -22.5 | 1876 | -22.5 | 1881 |
| -25.5 | 1948 | -25.5 | 1963 |
| -29 | 2046 | -29 | 2074 |
| -33 | 2169 | -33 | 2209 |
| -37.5 | 2320 | -37.5 | 2367 |
| -42.5 | 2506 | -42.5 | 2559 |
| -47.5 | 2716 | -47.5 | 2763 |
| -55 | 3091 | -55 | 3079 |
| -65 | 3672 | -65 | 3549 |
| -75 | 3019 | -75 | 2931 |
| -85 | 290 | -85 | 374 |
| -90 | 0 | -90 | 1 |

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CANDELA TABULATION

Maximum Candela = 4333

Beam Edge = 2166.5 Cd (50% of Max.)

Field Edge = 433.3 Cd (10% of Max.)

* Indicates Values Inside Field Edge

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-----------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | <u>-90.0</u> | <u>-85.0</u> | <u>-75.0</u> | <u>-65.0</u> | <u>-55.0</u> | <u>-47.5</u> | <u>-42.5</u> | <u>-37.5</u> | <u>-33.0</u> | <u>-29.0</u> |
| 90.0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| 85.0 | 0 | 21 | 112 | 361 | 817 * | 1055 * | 1223 * | 1357 * | 1361 * | 1225 * |
| 75.0 | 0 | 62 | 350 | 1345 * | 3254 * | 4188 * | 4333 * | 4229 * | 4170 * | 3985 * |
| 65.0 | 0 | 102 | 665 * | 2630 * | 4068 * | 4114 * | 4030 * | 3954 * | 3899 * | 3838 * |
| 55.0 | 0 | 146 | 1121 * | 3528 * | 3883 * | 3624 * | 3482 * | 3363 * | 3280 * | 3216 * |
| 47.5 | 0 | 183 | 1499 * | 3809 * | 3665 * | 3347 * | 3192 * | 3058 * | 2975 * | 2911 * |
| 42.5 | 0 | 205 | 1810 * | 3875 * | 3530 * | 3218 * | 3049 * | 2919 * | 2822 * | 2752 * |
| 37.5 | 0 | 224 | 2080 * | 3871 * | 3435 * | 3111 * | 2937 * | 2799 * | 2694 * | 2614 * |
| 33.0 | 0 | 240 | 2286 * | 3842 * | 3362 * | 3039 * | 2859 * | 2706 * | 2594 * | 2506 * |
| 29.0 | 0 | 252 | 2447 * | 3805 * | 3306 * | 2980 * | 2798 * | 2634 * | 2510 * | 2409 * |
| 25.5 | 0 | 262 | 2573 * | 3777 * | 3266 * | 2930 * | 2748 * | 2571 * | 2438 * | 2333 * |
| 22.5 | 0 | 269 | 2667 * | 3756 * | 3236 * | 2889 * | 2697 * | 2518 * | 2380 * | 2271 * |
| 19.5 | 0 | 275 | 2749 * | 3734 * | 3201 * | 2850 * | 2650 * | 2470 * | 2328 * | 2218 * |
| 17.0 | 0 | 279 | 2821 * | 3720 * | 3176 * | 2821 * | 2615 * | 2434 * | 2292 * | 2179 * |
| 15.0 | 0 | 282 | 2873 * | 3710 * | 3158 * | 2798 * | 2592 * | 2409 * | 2265 * | 2151 * |
| 13.0 | 0 | 284 | 2917 * | 3702 * | 3142 * | 2778 * | 2572 * | 2387 * | 2241 * | 2126 * |
| 11.0 | 0 | 293 | 2953 * | 3696 * | 3128 * | 2761 * | 2553 * | 2369 * | 2220 * | 2104 * |
| 9.0 | 0 | 293 | 2982 * | 3688 * | 3116 * | 2746 * | 2537 * | 2353 * | 2203 * | 2085 * |
| 7.0 | 0 | 292 | 3004 * | 3681 * | 3107 * | 2733 * | 2525 * | 2339 * | 2189 * | 2069 * |
| 5.0 | 0 | 291 | 3041 * | 3676 * | 3099 * | 2724 * | 2515 * | 2329 * | 2179 * | 2057 * |
| 3.0 | 0 | 291 | 3032 * | 3671 * | 3091 * | 2715 * | 2505 * | 2323 * | 2172 * | 2049 * |
| 1.0 | 0 | 290 | 3024 * | 3672 * | 3091 * | 2716 * | 2506 * | 2320 * | 2169 * | 2046 * |
| 0.0 | 0 | 290 | 3019 * | 3672 * | 3091 * | 2716 * | 2506 * | 2320 * | 2169 * | 2046 * |
| -1.0 | 0 | 290 | 3024 * | 3672 * | 3091 * | 2716 * | 2506 * | 2320 * | 2169 * | 2046 * |
| -3.0 | 0 | 291 | 3032 * | 3671 * | 3091 * | 2715 * | 2505 * | 2323 * | 2172 * | 2049 * |
| -5.0 | 0 | 291 | 3041 * | 3676 * | 3099 * | 2724 * | 2515 * | 2329 * | 2179 * | 2057 * |
| -7.0 | 0 | 292 | 3004 * | 3681 * | 3107 * | 2733 * | 2525 * | 2339 * | 2189 * | 2069 * |
| -9.0 | 0 | 293 | 2982 * | 3688 * | 3116 * | 2746 * | 2537 * | 2353 * | 2203 * | 2085 * |
| -11.0 | 0 | 293 | 2953 * | 3696 * | 3128 * | 2761 * | 2553 * | 2369 * | 2220 * | 2104 * |
| -13.0 | 0 | 284 | 2917 * | 3702 * | 3142 * | 2778 * | 2572 * | 2387 * | 2241 * | 2126 * |
| -15.0 | 0 | 282 | 2873 * | 3710 * | 3158 * | 2798 * | 2592 * | 2409 * | 2265 * | 2151 * |
| -17.0 | 0 | 279 | 2821 * | 3720 * | 3176 * | 2821 * | 2615 * | 2434 * | 2292 * | 2179 * |
| -19.5 | 0 | 275 | 2749 * | 3734 * | 3201 * | 2850 * | 2650 * | 2470 * | 2328 * | 2218 * |
| -22.5 | 0 | 269 | 2667 * | 3756 * | 3236 * | 2889 * | 2697 * | 2518 * | 2380 * | 2271 * |
| -25.5 | 0 | 262 | 2573 * | 3777 * | 3266 * | 2930 * | 2748 * | 2571 * | 2438 * | 2333 * |
| -29.0 | 0 | 252 | 2447 * | 3805 * | 3306 * | 2980 * | 2798 * | 2634 * | 2510 * | 2409 * |
| -33.0 | 0 | 240 | 2286 * | 3842 * | 3362 * | 3039 * | 2859 * | 2706 * | 2594 * | 2506 * |
| -37.5 | 0 | 224 | 2080 * | 3871 * | 3435 * | 3111 * | 2937 * | 2799 * | 2694 * | 2614 * |
| -42.5 | 0 | 205 | 1810 * | 3875 * | 3530 * | 3218 * | 3049 * | 2919 * | 2822 * | 2752 * |
| -47.5 | 0 | 183 | 1499 * | 3809 * | 3665 * | 3347 * | 3192 * | 3058 * | 2975 * | 2911 * |
| -55.0 | 0 | 146 | 1121 * | 3528 * | 3883 * | 3624 * | 3482 * | 3363 * | 3280 * | 3216 * |
| -65.0 | 0 | 102 | 665 * | 2630 * | 4068 * | 4114 * | 4030 * | 3954 * | 3899 * | 3838 * |
| -75.0 | 0 | 62 | 350 | 1345 * | 3254 * | 4188 * | 4333 * | 4229 * | 4170 * | 3985 * |
| -85.0 | 0 | 21 | 112 | 361 | 817 * | 1055 * | 1223 * | 1357 * | 1361 * | 1225 * |
| -90.0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

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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 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 85.0 | 1082 * | 955 * | 823 * | 706 * | 606 * | 569 * | 541 * | 497 * | 452 * | 407 |
| 75.0 | 3866 * | 3740 * | 3594 * | 3479 * | 3391 * | 3315 * | 3241 * | 3162 * | 3079 * | 3011 * |
| 65.0 | 3788 * | 3762 * | 3709 * | 3673 * | 3648 * | 3626 * | 3604 * | 3585 * | 3569 * | 3555 * |
| 55.0 | 3180 * | 3153 * | 3127 * | 3108 * | 3095 * | 3086 * | 3079 * | 3074 * | 3072 * | 3073 * |
| 47.5 | 2864 * | 2834 * | 2807 * | 2789 * | 2777 * | 2766 * | 2758 * | 2754 * | 2753 * | 2754 * |
| 42.5 | 2696 * | 2660 * | 2629 * | 2606 * | 2591 * | 2578 * | 2568 * | 2560 * | 2555 * | 2552 * |
| 37.5 | 2554 * | 2507 * | 2470 * | 2442 * | 2423 * | 2406 * | 2392 * | 2379 * | 2371 * | 2365 * |
| 33.0 | 2437 * | 2384 * | 2338 * | 2306 * | 2284 * | 2264 * | 2245 * | 2230 * | 2219 * | 2212 * |
| 29.0 | 2335 * | 2278 * | 2226 * | 2188 * | 2161 * | 2137 * | 2116 * | 2099 * | 2087 * | 2078 * |
| 25.5 | 2252 * | 2189 * | 2132 * | 2089 * | 2059 * | 2033 * | 2010 * | 1993 * | 1979 * | 1969 * |
| 22.5 | 2187 * | 2120 * | 2060 * | 2014 * | 1982 * | 1954 * | 1928 * | 1910 * | 1897 * | 1887 * |
| 19.5 | 2129 * | 2060 * | 1997 * | 1951 * | 1917 * | 1887 * | 1862 * | 1842 * | 1827 * | 1816 * |
| 17.0 | 2088 * | 2017 * | 1952 * | 1905 * | 1870 * | 1840 * | 1814 * | 1794 * | 1779 * | 1768 * |
| 15.0 | 2059 * | 1986 * | 1922 * | 1873 * | 1838 * | 1807 * | 1782 * | 1761 * | 1746 * | 1735 * |
| 13.0 | 2032 * | 1959 * | 1895 * | 1847 * | 1810 * | 1780 * | 1755 * | 1734 * | 1717 * | 1706 * |
| 11.0 | 2009 * | 1936 * | 1872 * | 1823 * | 1789 * | 1758 * | 1732 * | 1711 * | 1694 * | 1681 * |
| 9.0 | 1990 * | 1918 * | 1854 * | 1806 * | 1770 * | 1741 * | 1715 * | 1693 * | 1675 * | 1661 * |
| 7.0 | 1975 * | 1902 * | 1837 * | 1791 * | 1758 * | 1727 * | 1703 * | 1682 * | 1661 * | 1647 * |
| 5.0 | 1962 * | 1889 * | 1824 * | 1779 * | 1747 * | 1719 * | 1695 * | 1674 * | 1657 * | 1640 * |
| 3.0 | 1952 * | 1879 * | 1816 * | 1771 * | 1740 * | 1714 * | 1692 * | 1672 * | 1655 * | 1641 * |
| 1.0 | 1948 * | 1875 * | 1813 * | 1768 * | 1736 * | 1710 * | 1688 * | 1670 * | 1655 * | 1644 * |
| 0.0 | 1948 * | 1876 * | 1814 * | 1769 * | 1737 * | 1711 * | 1690 * | 1672 * | 1657 * | 1647 * |
| -1.0 | 1948 * | 1875 * | 1813 * | 1768 * | 1736 * | 1710 * | 1688 * | 1670 * | 1655 * | 1644 * |
| -3.0 | 1952 * | 1879 * | 1816 * | 1771 * | 1740 * | 1714 * | 1692 * | 1672 * | 1655 * | 1641 * |
| -5.0 | 1962 * | 1889 * | 1824 * | 1779 * | 1747 * | 1719 * | 1695 * | 1674 * | 1657 * | 1640 * |
| -7.0 | 1975 * | 1902 * | 1837 * | 1791 * | 1758 * | 1727 * | 1703 * | 1682 * | 1661 * | 1647 * |
| -9.0 | 1990 * | 1918 * | 1854 * | 1806 * | 1770 * | 1741 * | 1715 * | 1693 * | 1675 * | 1661 * |
| -11.0 | 2009 * | 1936 * | 1872 * | 1823 * | 1789 * | 1758 * | 1732 * | 1711 * | 1694 * | 1681 * |
| -13.0 | 2032 * | 1959 * | 1895 * | 1847 * | 1810 * | 1780 * | 1755 * | 1734 * | 1717 * | 1706 * |
| -15.0 | 2059 * | 1986 * | 1922 * | 1873 * | 1838 * | 1807 * | 1782 * | 1761 * | 1746 * | 1735 * |
| -17.0 | 2088 * | 2017 * | 1952 * | 1905 * | 1870 * | 1840 * | 1814 * | 1794 * | 1779 * | 1768 * |
| -19.5 | 2129 * | 2060 * | 1997 * | 1951 * | 1917 * | 1887 * | 1862 * | 1842 * | 1827 * | 1816 * |
| -22.5 | 2187 * | 2120 * | 2060 * | 2014 * | 1982 * | 1954 * | 1928 * | 1910 * | 1897 * | 1887 * |
| -25.5 | 2252 * | 2189 * | 2132 * | 2089 * | 2059 * | 2033 * | 2010 * | 1993 * | 1979 * | 1969 * |
| -29.0 | 2335 * | 2278 * | 2226 * | 2188 * | 2161 * | 2137 * | 2116 * | 2099 * | 2087 * | 2078 * |
| -33.0 | 2437 * | 2384 * | 2338 * | 2306 * | 2284 * | 2264 * | 2245 * | 2230 * | 2219 * | 2212 * |
| -37.5 | 2554 * | 2507 * | 2470 * | 2442 * | 2423 * | 2406 * | 2392 * | 2379 * | 2371 * | 2365 * |
| -42.5 | 2696 * | 2660 * | 2629 * | 2606 * | 2591 * | 2578 * | 2568 * | 2560 * | 2555 * | 2552 * |
| -47.5 | 2864 * | 2834 * | 2807 * | 2789 * | 2777 * | 2766 * | 2758 * | 2754 * | 2753 * | 2754 * |
| -55.0 | 3180 * | 3153 * | 3127 * | 3108 * | 3095 * | 3086 * | 3079 * | 3074 * | 3072 * | 3073 * |
| -65.0 | 3788 * | 3762 * | 3709 * | 3673 * | 3648 * | 3626 * | 3604 * | 3585 * | 3569 * | 3555 * |
| -75.0 | 3866 * | 3740 * | 3594 * | 3479 * | 3391 * | 3315 * | 3241 * | 3162 * | 3079 * | 3011 * |
| -85.0 | 1082 * | 955 * | 823 * | 706 * | 606 * | 569 * | 541 * | 497 * | 452 * | 407 |
| -90.0 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 85.0 | 394 | 381 | 374 | 381 | 394 | 407 | 452 * | 497 * | 541 * | 569 * |
| 75.0 | 2975 * | 2946 * | 2931 * | 2946 * | 2975 * | 3011 * | 3079 * | 3162 * | 3241 * | 3315 * |
| 65.0 | 3549 * | 3549 * | 3549 * | 3549 * | 3549 * | 3555 * | 3569 * | 3585 * | 3604 * | 3626 * |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 55.0 | 3072 * | 3077 * | 3079 * | 3077 * | 3072 * | 3073 * | 3072 * | 3074 * | 3079 * | 3086 * |
| 47.5 | 2754 * | 2760 * | 2763 * | 2760 * | 2754 * | 2754 * | 2753 * | 2754 * | 2758 * | 2766 * |
| 42.5 | 2548 * | 2555 * | 2559 * | 2555 * | 2548 * | 2552 * | 2555 * | 2560 * | 2568 * | 2578 * |
| 37.5 | 2363 * | 2364 * | 2367 * | 2364 * | 2363 * | 2365 * | 2371 * | 2379 * | 2392 * | 2406 * |
| 33.0 | 2208 * | 2208 * | 2209 * | 2208 * | 2208 * | 2212 * | 2219 * | 2230 * | 2245 * | 2264 * |
| 29.0 | 2073 * | 2072 * | 2074 * | 2072 * | 2073 * | 2078 * | 2087 * | 2099 * | 2116 * | 2137 * |
| 25.5 | 1963 * | 1962 * | 1963 * | 1962 * | 1963 * | 1969 * | 1979 * | 1993 * | 2010 * | 2033 * |
| 22.5 | 1881 * | 1879 * | 1881 * | 1879 * | 1881 * | 1887 * | 1897 * | 1910 * | 1928 * | 1954 * |
| 19.5 | 1810 * | 1809 * | 1811 * | 1809 * | 1810 * | 1816 * | 1827 * | 1842 * | 1862 * | 1887 * |
| 17.0 | 1760 * | 1758 * | 1761 * | 1758 * | 1760 * | 1768 * | 1779 * | 1794 * | 1814 * | 1840 * |
| 15.0 | 1727 * | 1723 * | 1725 * | 1723 * | 1727 * | 1735 * | 1746 * | 1761 * | 1782 * | 1807 * |
| 13.0 | 1698 * | 1695 * | 1695 * | 1695 * | 1698 * | 1706 * | 1717 * | 1734 * | 1755 * | 1780 * |
| 11.0 | 1673 * | 1670 * | 1670 * | 1670 * | 1673 * | 1681 * | 1694 * | 1711 * | 1732 * | 1758 * |
| 9.0 | 1653 * | 1649 * | 1650 * | 1649 * | 1653 * | 1661 * | 1675 * | 1693 * | 1715 * | 1741 * |
| 7.0 | 1637 * | 1633 * | 1634 * | 1633 * | 1637 * | 1647 * | 1661 * | 1682 * | 1703 * | 1727 * |
| 5.0 | 1627 * | 1620 * | 1622 * | 1620 * | 1627 * | 1640 * | 1657 * | 1674 * | 1695 * | 1719 * |
| 3.0 | 1625 * | 1614 * | 1615 * | 1614 * | 1625 * | 1641 * | 1655 * | 1672 * | 1692 * | 1714 * |
| 1.0 | 1637 * | 1619 * | 1617 * | 1619 * | 1637 * | 1644 * | 1655 * | 1670 * | 1688 * | 1710 * |
| 0.0 | 1641 * | 1627 * | 1619 * | 1627 * | 1641 * | 1647 * | 1657 * | 1672 * | 1690 * | 1711 * |
| -1.0 | 1637 * | 1619 * | 1617 * | 1619 * | 1637 * | 1644 * | 1655 * | 1670 * | 1688 * | 1710 * |
| -3.0 | 1625 * | 1614 * | 1615 * | 1614 * | 1625 * | 1641 * | 1655 * | 1672 * | 1692 * | 1714 * |
| -5.0 | 1627 * | 1620 * | 1622 * | 1620 * | 1627 * | 1640 * | 1657 * | 1674 * | 1695 * | 1719 * |
| -7.0 | 1637 * | 1633 * | 1634 * | 1633 * | 1637 * | 1647 * | 1661 * | 1682 * | 1703 * | 1727 * |
| -9.0 | 1653 * | 1649 * | 1650 * | 1649 * | 1653 * | 1661 * | 1675 * | 1693 * | 1715 * | 1741 * |
| -11.0 | 1673 * | 1670 * | 1670 * | 1670 * | 1673 * | 1681 * | 1694 * | 1711 * | 1732 * | 1758 * |
| -13.0 | 1698 * | 1695 * | 1695 * | 1695 * | 1698 * | 1706 * | 1717 * | 1734 * | 1755 * | 1780 * |
| -15.0 | 1727 * | 1723 * | 1725 * | 1723 * | 1727 * | 1735 * | 1746 * | 1761 * | 1782 * | 1807 * |
| -17.0 | 1760 * | 1758 * | 1761 * | 1758 * | 1760 * | 1768 * | 1779 * | 1794 * | 1814 * | 1840 * |
| -19.5 | 1810 * | 1809 * | 1811 * | 1809 * | 1810 * | 1816 * | 1827 * | 1842 * | 1862 * | 1887 * |
| -22.5 | 1881 * | 1879 * | 1881 * | 1879 * | 1881 * | 1887 * | 1897 * | 1910 * | 1928 * | 1954 * |
| -25.5 | 1963 * | 1962 * | 1963 * | 1962 * | 1963 * | 1969 * | 1979 * | 1993 * | 2010 * | 2033 * |
| -29.0 | 2073 * | 2072 * | 2074 * | 2072 * | 2073 * | 2078 * | 2087 * | 2099 * | 2116 * | 2137 * |
| -33.0 | 2208 * | 2208 * | 2209 * | 2208 * | 2208 * | 2212 * | 2219 * | 2230 * | 2245 * | 2264 * |
| -37.5 | 2363 * | 2364 * | 2367 * | 2364 * | 2363 * | 2365 * | 2371 * | 2379 * | 2392 * | 2406 * |
| -42.5 | 2548 * | 2555 * | 2559 * | 2555 * | 2548 * | 2552 * | 2555 * | 2560 * | 2568 * | 2578 * |
| -47.5 | 2754 * | 2760 * | 2763 * | 2760 * | 2754 * | 2754 * | 2753 * | 2754 * | 2758 * | 2766 * |
| -55.0 | 3072 * | 3077 * | 3079 * | 3077 * | 3072 * | 3073 * | 3072 * | 3074 * | 3079 * | 3086 * |
| -65.0 | 3549 * | 3549 * | 3549 * | 3549 * | 3549 * | 3555 * | 3569 * | 3585 * | 3604 * | 3626 * |
| -75.0 | 2975 * | 2946 * | 2931 * | 2946 * | 2975 * | 3011 * | 3079 * | 3162 * | 3241 * | 3315 * |
| -85.0 | 394 | 381 | 374 | 381 | 394 | 407 | 452 * | 497 * | 541 * | 569 * |
| -90.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

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 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 85.0 | 606 * | 706 * | 823 * | 955 * | 1082 * | 1225 * | 1361 * | 1357 * | 1223 * | 1055 * |
| 75.0 | 3391 * | 3479 * | 3594 * | 3740 * | 3866 * | 3985 * | 4170 * | 4229 * | 4333 * | 4188 * |
| 65.0 | 3648 * | 3673 * | 3709 * | 3762 * | 3788 * | 3838 * | 3899 * | 3954 * | 4030 * | 4114 * |
| 55.0 | 3095 * | 3108 * | 3127 * | 3153 * | 3180 * | 3216 * | 3280 * | 3363 * | 3482 * | 3624 * |
| 47.5 | 2777 * | 2789 * | 2807 * | 2834 * | 2864 * | 2911 * | 2975 * | 3058 * | 3192 * | 3347 * |
| 42.5 | 2591 * | 2606 * | 2629 * | 2660 * | 2696 * | 2752 * | 2822 * | 2919 * | 3049 * | 3218 * |
| 37.5 | 2423 * | 2442 * | 2470 * | 2507 * | 2554 * | 2614 * | 2694 * | 2799 * | 2937 * | 3111 * |
| 33.0 | 2284 * | 2306 * | 2338 * | 2384 * | 2437 * | 2506 * | 2594 * | 2706 * | 2859 * | 3039 * |
| 29.0 | 2161 * | 2188 * | 2226 * | 2278 * | 2335 * | 2409 * | 2510 * | 2634 * | 2798 * | 2980 * |
| 25.5 | 2059 * | 2089 * | 2132 * | 2189 * | 2252 * | 2333 * | 2438 * | 2571 * | 2748 * | 2930 * |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 22.5 | 1982 * | 2014 * | 2060 * | 2120 * | 2187 * | 2271 * | 2380 * | 2518 * | 2697 * | 2889 * |
| 19.5 | 1917 * | 1951 * | 1997 * | 2060 * | 2129 * | 2218 * | 2328 * | 2470 * | 2650 * | 2850 * |
| 17.0 | 1870 * | 1905 * | 1952 * | 2017 * | 2088 * | 2179 * | 2292 * | 2434 * | 2615 * | 2821 * |
| 15.0 | 1838 * | 1873 * | 1922 * | 1986 * | 2059 * | 2151 * | 2265 * | 2409 * | 2592 * | 2798 * |
| 13.0 | 1810 * | 1847 * | 1895 * | 1959 * | 2032 * | 2126 * | 2241 * | 2387 * | 2572 * | 2778 * |
| 11.0 | 1789 * | 1823 * | 1872 * | 1936 * | 2009 * | 2104 * | 2220 * | 2369 * | 2553 * | 2761 * |
| 9.0 | 1770 * | 1806 * | 1854 * | 1918 * | 1990 * | 2085 * | 2203 * | 2353 * | 2537 * | 2746 * |
| 7.0 | 1758 * | 1791 * | 1837 * | 1902 * | 1975 * | 2069 * | 2189 * | 2339 * | 2525 * | 2733 * |
| 5.0 | 1747 * | 1779 * | 1824 * | 1889 * | 1962 * | 2057 * | 2179 * | 2329 * | 2515 * | 2724 * |
| 3.0 | 1740 * | 1771 * | 1816 * | 1879 * | 1952 * | 2049 * | 2172 * | 2323 * | 2505 * | 2715 * |
| 1.0 | 1736 * | 1768 * | 1813 * | 1875 * | 1948 * | 2046 * | 2169 * | 2320 * | 2506 * | 2716 * |
| 0.0 | 1737 * | 1769 * | 1814 * | 1876 * | 1948 * | 2046 * | 2169 * | 2320 * | 2506 * | 2716 * |
| -1.0 | 1736 * | 1768 * | 1813 * | 1875 * | 1948 * | 2046 * | 2169 * | 2320 * | 2506 * | 2716 * |
| -3.0 | 1740 * | 1771 * | 1816 * | 1879 * | 1952 * | 2049 * | 2172 * | 2323 * | 2505 * | 2715 * |
| -5.0 | 1747 * | 1779 * | 1824 * | 1889 * | 1962 * | 2057 * | 2179 * | 2329 * | 2515 * | 2724 * |
| -7.0 | 1758 * | 1791 * | 1837 * | 1902 * | 1975 * | 2069 * | 2189 * | 2339 * | 2525 * | 2733 * |
| -9.0 | 1770 * | 1806 * | 1854 * | 1918 * | 1990 * | 2085 * | 2203 * | 2353 * | 2537 * | 2746 * |
| -11.0 | 1789 * | 1823 * | 1872 * | 1936 * | 2009 * | 2104 * | 2220 * | 2369 * | 2553 * | 2761 * |
| -13.0 | 1810 * | 1847 * | 1895 * | 1959 * | 2032 * | 2126 * | 2241 * | 2387 * | 2572 * | 2778 * |
| -15.0 | 1838 * | 1873 * | 1922 * | 1986 * | 2059 * | 2151 * | 2265 * | 2409 * | 2592 * | 2798 * |
| -17.0 | 1870 * | 1905 * | 1952 * | 2017 * | 2088 * | 2179 * | 2292 * | 2434 * | 2615 * | 2821 * |
| -19.5 | 1917 * | 1951 * | 1997 * | 2060 * | 2129 * | 2218 * | 2328 * | 2470 * | 2650 * | 2850 * |
| -22.5 | 1982 * | 2014 * | 2060 * | 2120 * | 2187 * | 2271 * | 2380 * | 2518 * | 2697 * | 2889 * |
| -25.5 | 2059 * | 2089 * | 2132 * | 2189 * | 2252 * | 2333 * | 2438 * | 2571 * | 2748 * | 2930 * |
| -29.0 | 2161 * | 2188 * | 2226 * | 2278 * | 2335 * | 2409 * | 2510 * | 2634 * | 2798 * | 2980 * |
| -33.0 | 2284 * | 2306 * | 2338 * | 2384 * | 2437 * | 2506 * | 2594 * | 2706 * | 2859 * | 3039 * |
| -37.5 | 2423 * | 2442 * | 2470 * | 2507 * | 2554 * | 2614 * | 2694 * | 2799 * | 2937 * | 3111 * |
| -42.5 | 2591 * | 2606 * | 2629 * | 2660 * | 2696 * | 2752 * | 2822 * | 2919 * | 3049 * | 3218 * |
| -47.5 | 2777 * | 2789 * | 2807 * | 2834 * | 2864 * | 2911 * | 2975 * | 3058 * | 3192 * | 3347 * |
| -55.0 | 3095 * | 3108 * | 3127 * | 3153 * | 3180 * | 3216 * | 3280 * | 3363 * | 3482 * | 3624 * |
| -65.0 | 3648 * | 3673 * | 3709 * | 3762 * | 3788 * | 3838 * | 3899 * | 3954 * | 4030 * | 4114 * |
| -75.0 | 3391 * | 3479 * | 3594 * | 3740 * | 3866 * | 3985 * | 4170 * | 4229 * | 4333 * | 4188 * |
| -85.0 | 606 * | 706 * | 823 * | 955 * | 1082 * | 1225 * | 1361 * | 1357 * | 1223 * | 1055 * |
| -90.0 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| 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 | 2 | 1 | 0 | 0 | 0 |
| 85.0 | 817 * | 361 | 112 | 21 | 0 |
| 75.0 | 3254 * | 1345 * | 350 | 62 | 0 |
| 65.0 | 4068 * | 2630 * | 665 * | 102 | 0 |
| 55.0 | 3883 * | 3528 * | 1121 * | 146 | 0 |
| 47.5 | 3665 * | 3809 * | 1499 * | 183 | 0 |
| 42.5 | 3530 * | 3875 * | 1810 * | 205 | 0 |
| 37.5 | 3435 * | 3871 * | 2080 * | 224 | 0 |
| 33.0 | 3362 * | 3842 * | 2286 * | 240 | 0 |
| 29.0 | 3306 * | 3805 * | 2447 * | 252 | 0 |
| 25.5 | 3266 * | 3777 * | 2573 * | 262 | 0 |
| 22.5 | 3236 * | 3756 * | 2667 * | 269 | 0 |
| 19.5 | 3201 * | 3734 * | 2749 * | 275 | 0 |
| 17.0 | 3176 * | 3720 * | 2821 * | 279 | 0 |
| 15.0 | 3158 * | 3710 * | 2873 * | 282 | 0 |
| 13.0 | 3142 * | 3702 * | 2917 * | 284 | 0 |
| 11.0 | 3128 * | 3696 * | 2953 * | 293 | 0 |
| 9.0 | 3116 * | 3688 * | 2982 * | 293 | 0 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|--------------|--------|--------|--------|-----|---|
| 7.0 | 3107 * | 3681 * | 3004 * | 292 | 0 |
| 5.0 | 3099 * | 3676 * | 3041 * | 291 | 0 |
| 3.0 | 3091 * | 3671 * | 3032 * | 291 | 0 |
| 1.0 | 3091 * | 3672 * | 3024 * | 290 | 0 |
| 0.0 | 3091 * | 3672 * | 3019 * | 290 | 0 |
| -1.0 | 3091 * | 3672 * | 3024 * | 290 | 0 |
| -3.0 | 3091 * | 3671 * | 3032 * | 291 | 0 |
| -5.0 | 3099 * | 3676 * | 3041 * | 291 | 0 |
| -7.0 | 3107 * | 3681 * | 3004 * | 292 | 0 |
| -9.0 | 3116 * | 3688 * | 2982 * | 293 | 0 |
| -11.0 | 3128 * | 3696 * | 2953 * | 293 | 0 |
| -13.0 | 3142 * | 3702 * | 2917 * | 284 | 0 |
| -15.0 | 3158 * | 3710 * | 2873 * | 282 | 0 |
| -17.0 | 3176 * | 3720 * | 2821 * | 279 | 0 |
| -19.5 | 3201 * | 3734 * | 2749 * | 275 | 0 |
| -22.5 | 3236 * | 3756 * | 2667 * | 269 | 0 |
| -25.5 | 3266 * | 3777 * | 2573 * | 262 | 0 |
| -29.0 | 3306 * | 3805 * | 2447 * | 252 | 0 |
| -33.0 | 3362 * | 3842 * | 2286 * | 240 | 0 |
| -37.5 | 3435 * | 3871 * | 2080 * | 224 | 0 |
| -42.5 | 3530 * | 3875 * | 1810 * | 205 | 0 |
| -47.5 | 3665 * | 3809 * | 1499 * | 183 | 0 |
| -55.0 | 3883 * | 3528 * | 1121 * | 146 | 0 |
| -65.0 | 4068 * | 2630 * | 665 * | 102 | 0 |
| -75.0 | 3254 * | 1345 * | 350 | 62 | 0 |
| -85.0 | 817 * | 361 | 112 | 21 | 0 |
| -90.0 | 2 | 1 | 0 | 0 | 0 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 8030.89

Total Field Lumens (one side of beam only) = 8004.01

* 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 | 0.29 | 0.59 | 0.61 | 0.65 | 0.72 | 0.78 | 0.83 | 0.87 | 0.96 | 1.38 |
| 75 | 5.05 * | 10.19 * | 10.31 * | 10.53 * | 10.84 * | 11.16 * | 11.42 * | 11.65 * | 11.98 * | 15.55 * |
| 65 | 9.88 * | 19.82 * | 19.89 * | 20.01 * | 20.20 * | 20.39 * | 20.54 * | 20.66 * | 20.78 * | 26.13 * |
| 55 | 10.09 * | 20.16 * | 20.13 * | 20.10 * | 20.06 * | 20.01 * | 19.95 * | 19.88 * | 19.80 * | 24.62 * |
| 47.5 | 6.67 * | 13.31 * | 13.28 * | 13.24 * | 13.18 * | 13.12 * | 13.06 * | 12.99 * | 12.92 * | 16.04 * |
| 42.5 | 4.05 * | 8.08 * | 8.06 * | 8.04 * | 8.01 * | 7.98 * | 7.95 * | 7.91 * | 7.88 * | 9.79 * |
| 37.5 | 3.75 * | 7.48 * | 7.47 * | 7.45 * | 7.44 * | 7.42 * | 7.41 * | 7.39 * | 7.37 * | 9.17 * |
| 33 | 3.13 * | 6.26 * | 6.25 * | 6.25 * | 6.24 * | 6.24 * | 6.24 * | 6.24 * | 6.23 * | 7.77 * |
| 29 | 2.61 * | 5.21 * | 5.21 * | 5.21 * | 5.21 * | 5.21 * | 5.22 * | 5.23 * | 5.23 * | 6.55 * |
| 25.5 | 2.15 * | 4.30 * | 4.30 * | 4.30 * | 4.31 * | 4.31 * | 4.33 * | 4.34 * | 4.35 * | 5.46 * |
| 22.5 | 1.76 * | 3.51 * | 3.51 * | 3.51 * | 3.52 * | 3.53 * | 3.54 * | 3.56 * | 3.58 * | 4.50 * |
| 19.5 | 1.69 * | 3.37 * | 3.37 * | 3.37 * | 3.38 * | 3.39 * | 3.41 * | 3.43 * | 3.45 * | 4.35 * |
| 17 | 1.36 * | 2.72 * | 2.72 * | 2.72 * | 2.73 * | 2.74 * | 2.76 * | 2.78 * | 2.80 * | 3.53 * |
| 15 | 1.06 * | 2.12 * | 2.12 * | 2.13 * | 2.14 * | 2.15 * | 2.16 * | 2.17 * | 2.19 * | 2.77 * |
| 13 | 1.04 * | 2.08 * | 2.09 * | 2.09 * | 2.10 * | 2.11 * | 2.12 * | 2.14 * | 2.16 * | 2.73 * |
| 11 | 1.02 * | 2.05 * | 2.05 * | 2.06 * | 2.07 * | 2.08 * | 2.09 * | 2.11 * | 2.13 * | 2.69 * |
| 9 | 1.01 * | 2.02 * | 2.03 * | 2.03 * | 2.04 * | 2.06 * | 2.07 * | 2.09 * | 2.10 * | 2.66 * |
| 7 | 1.00 * | 2.00 * | 2.00 * | 2.01 * | 2.02 * | 2.04 * | 2.05 * | 2.07 * | 2.09 * | 2.64 * |
| 5 | 0.99 * | 1.98 * | 1.99 * | 2.00 * | 2.01 * | 2.03 * | 2.04 * | 2.05 * | 2.07 * | 2.61 * |
| 3 | 0.99 * | 1.97 * | 1.99 * | 2.00 * | 2.01 * | 2.02 * | 2.03 * | 2.05 * | 2.06 * | 2.60 * |
| 1 | 0.98 * | 1.98 * | 1.99 * | 2.00 * | 2.01 * | 2.02 * | 2.03 * | 2.04 * | 2.05 * | 2.59 * |
| 0 | 0.49 * | 0.99 * | 1.00 * | 1.00 * | 1.00 * | 1.01 * | 1.01 * | 1.02 * | 1.03 * | 1.30 * |
| -1 | 0.49 * | 0.99 * | 1.00 * | 1.00 * | 1.00 * | 1.01 * | 1.01 * | 1.02 * | 1.03 * | 1.30 * |
| | 0.98 * | 1.98 * | 1.99 * | 2.00 * | 2.01 * | 2.02 * | 2.03 * | 2.04 * | 2.05 * | 2.59 * |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80.IES

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -3 | 0.99 * | 1.97 * | 1.99 * | 2.00 * | 2.01 * | 2.02 * | 2.03 * | 2.05 * | 2.06 * | 2.60 * |
| -5 | 0.99 * | 1.98 * | 1.99 * | 2.00 * | 2.01 * | 2.03 * | 2.04 * | 2.05 * | 2.07 * | 2.61 * |
| -7 | 1.00 * | 2.00 * | 2.00 * | 2.01 * | 2.02 * | 2.04 * | 2.05 * | 2.07 * | 2.09 * | 2.64 * |
| -9 | 1.01 * | 2.02 * | 2.03 * | 2.03 * | 2.04 * | 2.06 * | 2.07 * | 2.09 * | 2.10 * | 2.66 * |
| -11 | 1.02 * | 2.05 * | 2.05 * | 2.06 * | 2.07 * | 2.08 * | 2.09 * | 2.11 * | 2.13 * | 2.69 * |
| -13 | 1.04 * | 2.08 * | 2.09 * | 2.09 * | 2.10 * | 2.11 * | 2.12 * | 2.14 * | 2.16 * | 2.73 * |
| -15 | 1.06 * | 2.12 * | 2.12 * | 2.13 * | 2.14 * | 2.15 * | 2.16 * | 2.17 * | 2.19 * | 2.77 * |
| -17 | 1.36 * | 2.72 * | 2.72 * | 2.72 * | 2.73 * | 2.74 * | 2.76 * | 2.78 * | 2.80 * | 3.53 * |
| -19.5 | 1.69 * | 3.37 * | 3.37 * | 3.37 * | 3.38 * | 3.39 * | 3.41 * | 3.43 * | 3.45 * | 4.35 * |
| -22.5 | 1.76 * | 3.51 * | 3.51 * | 3.51 * | 3.52 * | 3.53 * | 3.54 * | 3.56 * | 3.58 * | 4.50 * |
| -25.5 | 2.15 * | 4.30 * | 4.30 * | 4.30 * | 4.31 * | 4.31 * | 4.33 * | 4.34 * | 4.35 * | 5.46 * |
| -29 | 2.61 * | 5.21 * | 5.21 * | 5.21 * | 5.21 * | 5.21 * | 5.22 * | 5.23 * | 5.23 * | 6.55 * |
| -33 | 3.13 * | 6.26 * | 6.25 * | 6.25 * | 6.24 * | 6.24 * | 6.24 * | 6.24 * | 6.23 * | 7.77 * |
| -37.5 | 3.75 * | 7.48 * | 7.47 * | 7.45 * | 7.44 * | 7.42 * | 7.41 * | 7.39 * | 7.37 * | 9.17 * |
| -42.5 | 4.05 * | 8.08 * | 8.06 * | 8.04 * | 8.01 * | 7.98 * | 7.95 * | 7.91 * | 7.88 * | 9.79 * |
| -47.5 | 6.67 * | 13.31 * | 13.28 * | 13.24 * | 13.18 * | 13.12 * | 13.06 * | 12.99 * | 12.92 * | 16.04 * |
| -55 | 10.09 * | 20.16 * | 20.13 * | 20.10 * | 20.06 * | 20.01 * | 19.95 * | 19.88 * | 19.80 * | 24.62 * |
| -65 | 9.88 * | 19.82 * | 19.89 * | 20.01 * | 20.20 * | 20.39 * | 20.54 * | 20.66 * | 20.78 * | 26.13 * |
| -75 | 5.05 * | 10.19 * | 10.31 * | 10.53 * | 10.84 * | 11.16 * | 11.42 * | 11.65 * | 11.98 * | 15.55 * |
| -85 | 0.29 | 0.59 | 0.61 | 0.65 | 0.72 | 0.78 | 0.83 | 0.87 | 0.96 | 1.38 |
| -90 | | | | | | | | | | |
| Total | 122.14 | 244.42 | 244.71 | 245.42 | 246.49 | 247.58 | 248.51 | 249.32 | 250.42 | 314.88 |

Vert. Horizontal Angles

| | <u>19.5</u> | <u>22.5</u> | <u>25.5</u> | <u>29</u> | <u>33</u> | <u>37.5</u> | <u>42.5</u> | <u>47.5</u> | <u>55</u> | <u>65</u> |
|-----------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-------------|-----------|-----------|
| 90 | 1.90 * | 2.13 * | 2.74 * | 3.38 * | 3.81 * | 3.77 * | 3.07 * | 3.35 * | 2.25 | 0.62 |
| 85 | 19.43 * | 20.12 * | 24.07 * | 28.04 * | 31.10 * | 32.49 * | 29.07 * | 33.27 * | 21.97 * | 5.64 * |
| 75 | 31.57 * | 31.63 * | 36.67 * | 41.49 * | 45.47 * | 48.25 * | 44.86 * | 55.82 * | 42.96 * | 12.98 * |
| 65 | 29.33 * | 28.97 * | 33.22 * | 37.16 * | 40.56 * | 43.24 * | 41.05 * | 56.05 * | 53.65 * | 20.66 * |
| 55 | 19.07 * | 18.83 * | 21.63 * | 24.24 * | 26.60 * | 28.64 * | 27.55 * | 38.90 * | 42.45 * | 19.43 * |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80.IES

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 47.5 | | | | | | | | | | |
| | 11.65 * | 11.53 * | 13.29 * | 14.96 * | 16.47 * | 17.81 * | 17.23 * | 24.58 * | 28.29 * | 14.30 * |
| 42.5 | | | | | | | | | | |
| | 10.95 * | 10.87 * | 12.58 * | 14.20 * | 15.72 * | 17.06 * | 16.57 * | 23.75 * | 27.97 * | 15.13 * |
| 37.5 | | | | | | | | | | |
| | 9.31 * | 9.28 * | 10.78 * | 12.23 * | 13.59 * | 14.83 * | 14.47 * | 20.81 * | 24.83 * | 14.14 * |
| 33 | | | | | | | | | | |
| | 7.87 * | 7.88 * | 9.18 * | 10.46 * | 11.69 * | 12.83 * | 12.57 * | 18.13 * | 21.78 * | 12.88 * |
| 29 | | | | | | | | | | |
| | 6.59 * | 6.61 * | 7.74 * | 8.85 * | 9.94 * | 10.97 * | 10.79 * | 15.61 * | 18.84 * | 11.47 * |
| 25.5 | | | | | | | | | | |
| | 5.44 * | 5.48 * | 6.43 * | 7.38 * | 8.32 * | 9.22 * | 9.10 * | 13.20 * | 16.01 * | 9.97 * |
| 22.5 | | | | | | | | | | |
| | 5.27 * | 5.32 * | 6.26 * | 7.20 * | 8.14 * | 9.04 * | 8.95 * | 13.05 * | 15.89 * | 10.07 * |
| 19.5 | | | | | | | | | | |
| | 4.28 * | 4.33 * | 5.10 * | 5.88 * | 6.66 * | 7.41 * | 7.36 * | 10.76 * | 13.15 * | 8.47 * |
| 17 | | | | | | | | | | |
| | 3.36 * | 3.40 * | 4.02 * | 4.64 * | 5.26 * | 5.86 * | 5.83 * | 8.54 * | 10.47 * | 6.83 * |
| 15 | | | | | | | | | | |
| | 3.31 * | 3.35 * | 3.97 * | 4.59 * | 5.21 * | 5.81 * | 5.78 * | 8.49 * | 10.43 * | 6.87 * |
| 13 | | | | | | | | | | |
| | 3.27 * | 3.31 * | 3.92 * | 4.54 * | 5.16 * | 5.76 * | 5.74 * | 8.44 * | 10.40 * | 6.90 * |
| 11 | | | | | | | | | | |
| | 3.23 * | 3.28 * | 3.88 * | 4.50 * | 5.12 * | 5.72 * | 5.70 * | 8.40 * | 10.37 * | 6.93 * |
| 9 | | | | | | | | | | |
| | 3.20 * | 3.25 * | 3.85 * | 4.46 * | 5.08 * | 5.69 * | 5.67 * | 8.36 * | 10.34 * | 6.95 * |
| 7 | | | | | | | | | | |
| | 3.18 * | 3.23 * | 3.82 * | 4.43 * | 5.06 * | 5.66 * | 5.65 * | 8.33 * | 10.32 * | 6.97 * |
| 5 | | | | | | | | | | |
| | 3.16 * | 3.21 * | 3.80 * | 4.42 * | 5.04 * | 5.64 * | 5.63 * | 8.31 * | 10.30 * | 6.98 * |
| 3 | | | | | | | | | | |
| | 3.15 * | 3.19 * | 3.79 * | 4.40 * | 5.03 * | 5.63 * | 5.62 * | 8.30 * | 10.29 * | 6.97 * |
| 1 | | | | | | | | | | |
| | 1.57 * | 1.60 * | 1.89 * | 2.20 * | 2.51 * | 2.81 * | 2.81 * | 4.15 * | 5.14 * | 3.48 * |
| 0 | | | | | | | | | | |
| | 1.57 * | 1.60 * | 1.89 * | 2.20 * | 2.51 * | 2.81 * | 2.81 * | 4.15 * | 5.14 * | 3.48 * |
| -1 | | | | | | | | | | |
| | 3.15 * | 3.19 * | 3.79 * | 4.40 * | 5.03 * | 5.63 * | 5.62 * | 8.30 * | 10.29 * | 6.97 * |
| -3 | | | | | | | | | | |
| | 3.16 * | 3.21 * | 3.80 * | 4.42 * | 5.04 * | 5.64 * | 5.63 * | 8.31 * | 10.30 * | 6.98 * |
| -5 | | | | | | | | | | |
| | 3.18 * | 3.23 * | 3.82 * | 4.43 * | 5.06 * | 5.66 * | 5.65 * | 8.33 * | 10.32 * | 6.97 * |
| -7 | | | | | | | | | | |
| | 3.20 * | 3.25 * | 3.85 * | 4.46 * | 5.08 * | 5.69 * | 5.67 * | 8.36 * | 10.34 * | 6.95 * |
| -9 | | | | | | | | | | |
| | 3.23 * | 3.28 * | 3.88 * | 4.50 * | 5.12 * | 5.72 * | 5.70 * | 8.40 * | 10.37 * | 6.93 * |
| -11 | | | | | | | | | | |
| | 3.27 * | 3.31 * | 3.92 * | 4.54 * | 5.16 * | 5.76 * | 5.74 * | 8.44 * | 10.40 * | 6.90 * |
| -13 | | | | | | | | | | |
| | 3.31 * | 3.35 * | 3.97 * | 4.59 * | 5.21 * | 5.81 * | 5.78 * | 8.49 * | 10.43 * | 6.87 * |
| -15 | | | | | | | | | | |
| | 3.36 * | 3.40 * | 4.02 * | 4.64 * | 5.26 * | 5.86 * | 5.83 * | 8.54 * | 10.47 * | 6.83 * |
| -17 | | | | | | | | | | |
| | 4.28 * | 4.33 * | 5.10 * | 5.88 * | 6.66 * | 7.41 * | 7.36 * | 10.76 * | 13.15 * | 8.47 * |
| -19.5 | | | | | | | | | | |
| | 5.27 * | 5.32 * | 6.26 * | 7.20 * | 8.14 * | 9.04 * | 8.95 * | 13.05 * | 15.89 * | 10.07 * |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80.IES

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -22.5 | 5.44 * | 5.48 * | 6.43 * | 7.38 * | 8.32 * | 9.22 * | 9.10 * | 13.20 * | 16.01 * | 9.97 * |
| -25.5 | 6.59 * | 6.61 * | 7.74 * | 8.85 * | 9.94 * | 10.97 * | 10.79 * | 15.61 * | 18.84 * | 11.47 * |
| -29 | 7.87 * | 7.88 * | 9.18 * | 10.46 * | 11.69 * | 12.83 * | 12.57 * | 18.13 * | 21.78 * | 12.88 * |
| -33 | 9.31 * | 9.28 * | 10.78 * | 12.23 * | 13.59 * | 14.83 * | 14.47 * | 20.81 * | 24.83 * | 14.14 * |
| -37.5 | 10.95 * | 10.87 * | 12.58 * | 14.20 * | 15.72 * | 17.06 * | 16.57 * | 23.75 * | 27.97 * | 15.13 * |
| -42.5 | 11.65 * | 11.53 * | 13.29 * | 14.96 * | 16.47 * | 17.81 * | 17.23 * | 24.58 * | 28.29 * | 14.30 * |
| -47.5 | 19.07 * | 18.83 * | 21.63 * | 24.24 * | 26.60 * | 28.64 * | 27.55 * | 38.90 * | 42.45 * | 19.43 * |
| -55 | 29.33 * | 28.97 * | 33.22 * | 37.16 * | 40.56 * | 43.24 * | 41.05 * | 56.05 * | 53.65 * | 20.66 * |
| -65 | 31.57 * | 31.63 * | 36.67 * | 41.49 * | 45.47 * | 48.25 * | 44.86 * | 55.82 * | 42.96 * | 12.98 * |
| -75 | 19.43 * | 20.12 * | 24.07 * | 28.04 * | 31.10 * | 32.49 * | 29.07 * | 33.27 * | 21.97 * | 5.64 * |
| -85 | 1.90 * | 2.13 * | 2.74 * | 3.38 * | 3.81 * | 3.77 * | 3.07 * | 3.35 * | 2.25 | 0.62 |
| -90 | | | | | | | | | | |
| Total | 380.18 | 381.59 | 445.21 | 507.31 | 563.04 | 608.30 | 582.15 | 797.18 | 836.17 | 429.30 |

| Vert. Angles | Horizontal Angles | | |
|-------------------------|--------------------------|-----------|-----------|
| | 75 | 85 | 90 |
| 90 | | | |
| | 0.09 | 0.00 | 34.78 |
| 85 | | | |
| | 0.72 | 0.01 | 354.62 |
| 75 | | | |
| | 1.56 | 0.03 | 591.57 |
| 65 | | | |
| | 2.69 * | 0.04 | 581.43 |
| 55 | | | |
| | 2.92 * | 0.04 | 398.12 |
| 47.5 | | | |
| | 2.44 * | 0.03 | 250.35 |
| 42.5 | | | |
| | 2.85 * | 0.04 | 240.04 |
| 37.5 | | | |
| | 2.87 * | 0.03 | 208.03 |
| 33 | | | |
| | 2.76 * | 0.03 | 178.95 |
| 29 | | | |
| | 2.56 * | 0.03 | 152.16 |
| 25.5 | | | |
| | 2.29 * | 0.03 | 127.36 |
| 22.5 | | | |
| | 2.36 * | 0.03 | 124.80 |
| 19.5 | | | |
| | 2.02 * | 0.02 | 102.30 |
| 17 | | | |
| | 1.65 * | 0.02 | 80.88 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80.IES

LUMENS TABULATION - (Cont.)

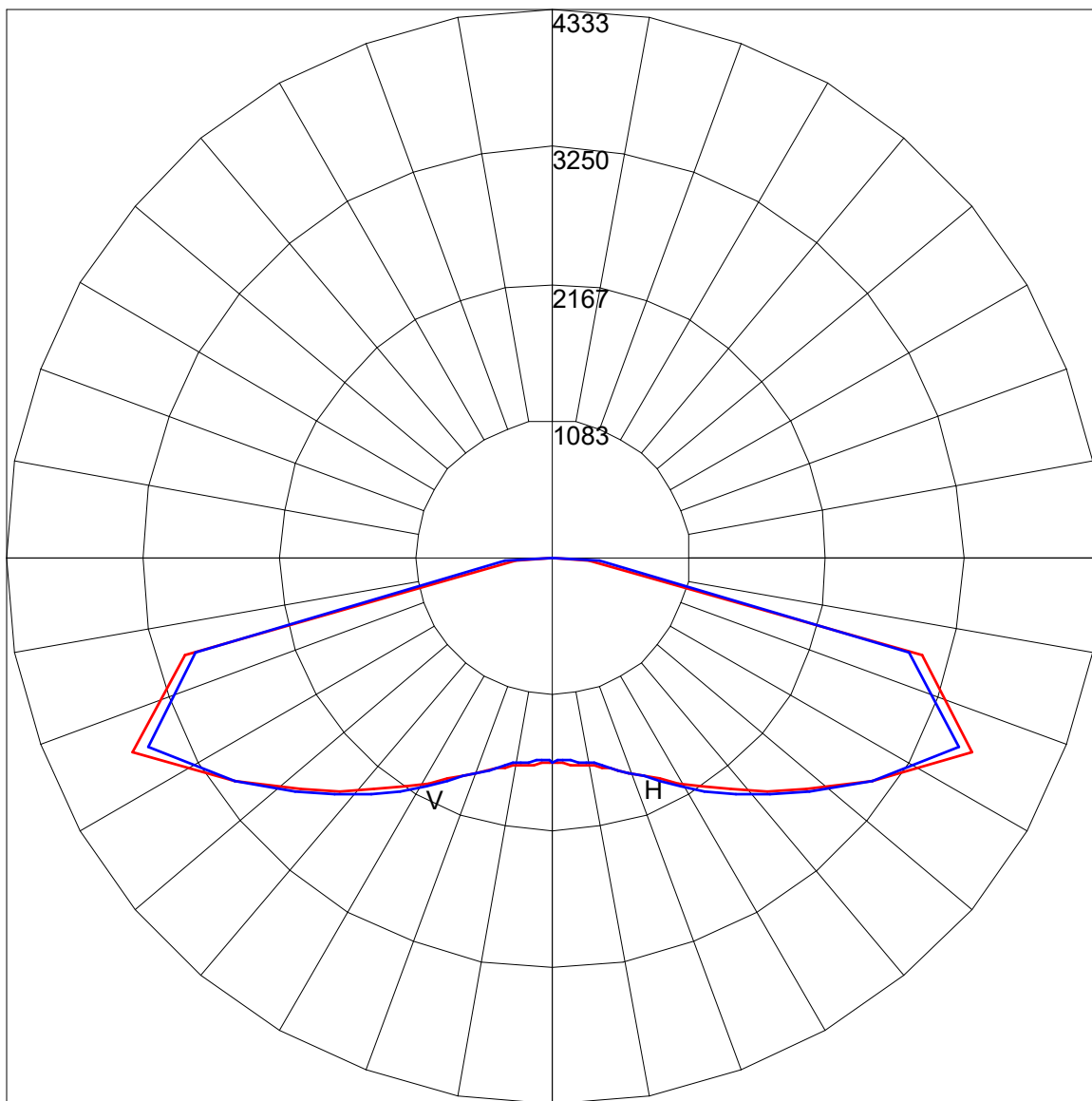
| | | | |
|--------------|--------|------|--------|
| 15 | | | |
| | 1.68 * | 0.02 | 80.15 |
| 13 | | | |
| | 1.70 * | 0.02 | 79.51 |
| 11 | | | |
| | 1.72 * | 0.02 | 78.97 |
| 9 | | | |
| | 1.74 * | 0.02 | 78.53 |
| 7 | | | |
| | 1.75 * | 0.02 | 78.21 |
| 5 | | | |
| | 1.76 * | 0.02 | 77.96 |
| 3 | | | |
| | 1.75 * | 0.02 | 77.83 |
| 1 | | | |
| | 0.87 * | 0.01 | 38.91 |
| 0 | | | |
| | 0.87 * | 0.01 | 38.91 |
| -1 | | | |
| | 1.75 * | 0.02 | 77.83 |
| -3 | | | |
| | 1.76 * | 0.02 | 77.96 |
| -5 | | | |
| | 1.75 * | 0.02 | 78.21 |
| -7 | | | |
| | 1.74 * | 0.02 | 78.53 |
| -9 | | | |
| | 1.72 * | 0.02 | 78.97 |
| -11 | | | |
| | 1.70 * | 0.02 | 79.51 |
| -13 | | | |
| | 1.68 * | 0.02 | 80.15 |
| -15 | | | |
| | 1.65 * | 0.02 | 80.88 |
| -17 | | | |
| | 2.02 * | 0.02 | 102.30 |
| -19.5 | | | |
| | 2.36 * | 0.03 | 124.80 |
| -22.5 | | | |
| | 2.29 * | 0.03 | 127.36 |
| -25.5 | | | |
| | 2.56 * | 0.03 | 152.16 |
| -29 | | | |
| | 2.76 * | 0.03 | 178.95 |
| -33 | | | |
| | 2.87 * | 0.03 | 208.03 |
| -37.5 | | | |
| | 2.85 * | 0.04 | 240.04 |
| -42.5 | | | |
| | 2.44 * | 0.03 | 250.35 |
| -47.5 | | | |
| | 2.92 * | 0.04 | 398.12 |
| -55 | | | |
| | 2.69 * | 0.04 | 581.43 |
| -65 | | | |
| | 1.56 | 0.03 | 591.57 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80.IES

LUMENS TABULATION - (Cont.)

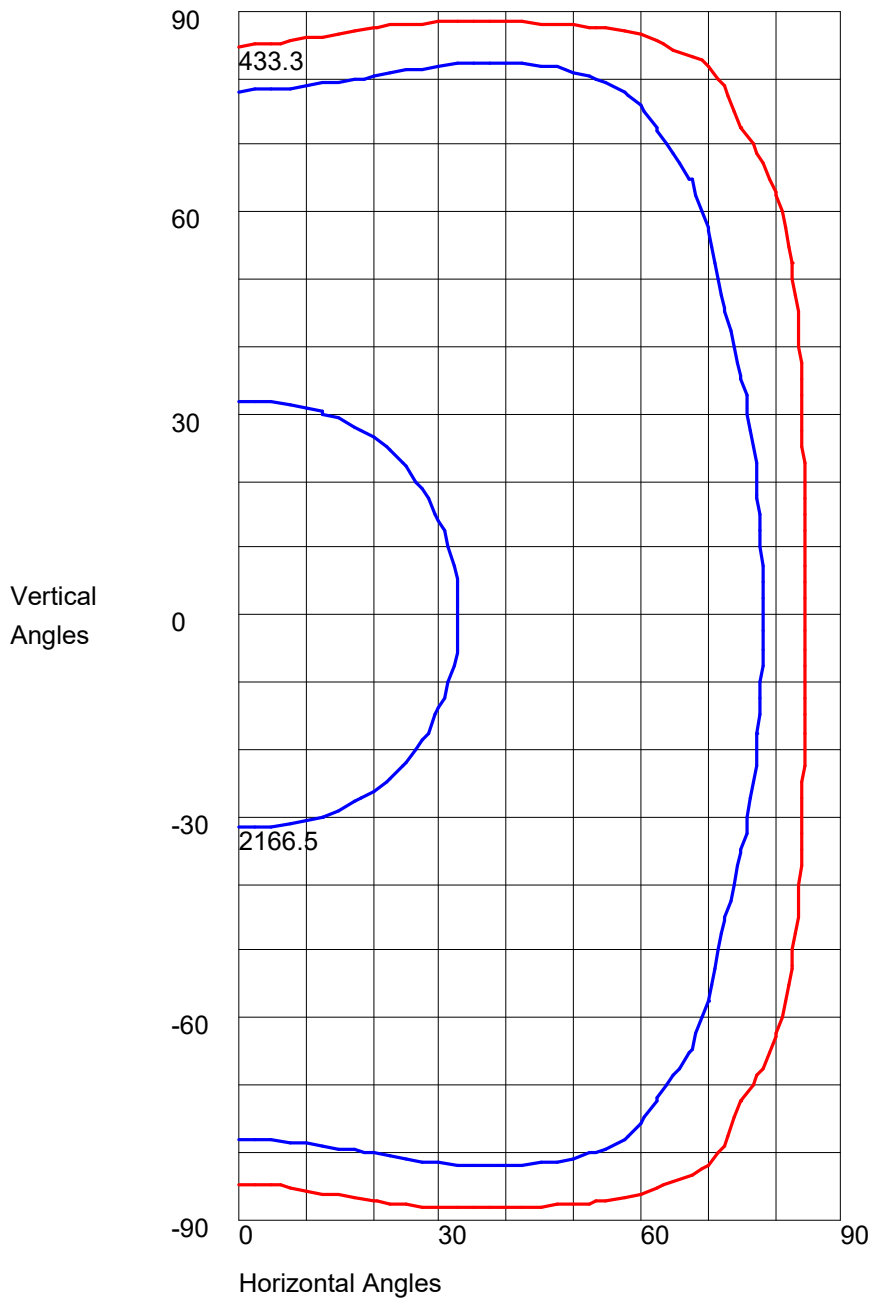
| | | | |
|--------------|-------|------|---------|
| -75 | 0.72 | 0.01 | 354.62 |
| -85 | 0.09 | 0.00 | 34.78 |
| -90 | | | |
| Total | 85.51 | 1.06 | 8030.89 |

AXIAL CANDELA DISPLAY



Maximum Candela = 4333 Located At Horizontal Angle =-42.5, Vertical Angle =-75
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 4333 Located At Horizontal Angle = -42.5, Vertical Angle = -75
50% Maximum Candela = 2166.5
10% Maximum Candela = 433.3