



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-730-T2-XXX-CGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 14773930.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 2024-01-31
[TESTDATE] 4/25/2023
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L60-730-T2-xxx-CGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[LAMP] 8 white LEDs
[BALLAST] UNIVERSAL VOLTAGE LED DRIVER
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] OUTDOOR
[_SEARCH_MOUNTING] WALL

CHARACTERISTICS

| | |
|---|---------------------------------|
| IES Classification | Type II |
| Longitudinal Classification | Very Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 6094 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 124 |
| Total Luminaire Watts | 49 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 3442.655 |
| Maximum Candela Angle | 60H 45V |
| Maximum Candela (<90 Degrees Vertical) | 3442.655 |
| Maximum Candela Angle (<90 Degrees Vertical) | 60H 45V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 226.029 (3.7% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-730-T2-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 979.9 | N.A. | 16.1 |
| FM - Front-Medium (30-60) | 2429.0 | N.A. | 39.9 |
| FH - Front-High (60-80) | 939.0 | N.A. | 15.4 |
| FVH - Front-Very High (80-90) | 16.2 | N.A. | 0.3 |
| BL - Back-Low (0-30) | 545.8 | N.A. | 9.0 |
| BM - Back-Medium (30-60) | 830.4 | N.A. | 13.6 |
| BH - Back-High (60-80) | 351.3 | N.A. | 5.8 |
| BVH - Back-Very High (80-90) | 2.1 | N.A. | 0.0 |
| UL - Uplight-Low (90-100) | 0.0 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 0.0 | N.A. | 0.0 |
| Total | 6093.7 | N.A. | 100.0 |
| BUG Rating | B2-U0-G1 | | |

IES ROAD REPORT
PHOTOMETRIC FILENAME : VWPX-L60-730-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-------------------------|--------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | <u>0.0</u> | <u>5.0</u> | <u>15.0</u> | <u>25.0</u> | <u>35.0</u> | <u>45.0</u> | <u>55.0</u> | <u>60.0</u> | <u>62.5</u> | <u>65.0</u> |
| 0.0 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 |
| 2.5 | 1831.922 | 1847.448 | 1837.064 | 1819.925 | 1819.119 | 1827.789 | 1812.868 | 1799.863 | 1790.285 | 1787.059 |
| 5.0 | 1910.357 | 1926.991 | 1913.482 | 1890.395 | 1883.540 | 1881.221 | 1853.194 | 1833.334 | 1819.623 | 1813.271 |
| 7.5 | 2003.712 | 2022.363 | 2003.712 | 1968.931 | 1947.961 | 1932.335 | 1890.798 | 1865.998 | 1848.053 | 1838.374 |
| 10.0 | 2183.063 | 2198.387 | 2169.957 | 2108.964 | 2049.684 | 1997.562 | 1926.386 | 1892.311 | 1869.526 | 1856.219 |
| 12.5 | 2362.616 | 2380.964 | 2344.469 | 2269.462 | 2191.431 | 2102.310 | 1971.552 | 1918.523 | 1888.379 | 1868.317 |
| 15.0 | 2561.223 | 2579.975 | 2533.297 | 2431.675 | 2324.810 | 2214.417 | 2044.542 | 1960.059 | 1917.011 | 1886.363 |
| 17.5 | 2759.427 | 2786.042 | 2728.678 | 2608.203 | 2471.699 | 2323.499 | 2128.824 | 2025.690 | 1966.914 | 1922.354 |
| 20.0 | 2945.230 | 2983.338 | 2916.094 | 2778.481 | 2614.454 | 2440.244 | 2207.057 | 2097.168 | 2032.445 | 1975.988 |
| 22.5 | 3071.653 | 3121.960 | 3055.522 | 2919.824 | 2747.429 | 2551.948 | 2290.331 | 2166.025 | 2097.975 | 2036.376 |
| 25.0 | 3097.663 | 3151.600 | 3101.091 | 3003.602 | 2852.177 | 2661.535 | 2385.299 | 2250.408 | 2175.099 | 2107.855 |
| 27.5 | 2999.065 | 3062.680 | 3045.239 | 2998.360 | 2916.901 | 2764.467 | 2487.325 | 2353.442 | 2272.688 | 2196.673 |
| 30.0 | 2850.866 | 2915.792 | 2897.443 | 2891.394 | 2906.214 | 2846.431 | 2602.759 | 2473.614 | 2385.098 | 2302.631 |
| 32.5 | 2743.498 | 2809.129 | 2774.751 | 2756.200 | 2846.027 | 2919.522 | 2749.043 | 2609.514 | 2519.284 | 2432.179 |
| 35.0 | 2651.151 | 2710.229 | 2667.987 | 2643.791 | 2761.846 | 2988.782 | 2924.361 | 2790.982 | 2680.185 | 2588.342 |
| 37.5 | 2483.696 | 2541.060 | 2539.749 | 2541.564 | 2701.357 | 3042.820 | 3127.908 | 2999.872 | 2885.547 | 2763.258 |
| 40.0 | 2144.148 | 2193.145 | 2278.132 | 2403.144 | 2648.126 | 3052.498 | 3299.295 | 3210.174 | 3098.470 | 2966.200 |
| 42.5 | 1677.271 | 1714.774 | 1879.406 | 2160.077 | 2541.866 | 2985.254 | 3378.133 | 3376.923 | 3285.785 | 3166.823 |
| 45.0 | 1242.856 | 1281.468 | 1456.182 | 1813.775 | 2331.666 | 2815.278 | 3348.392 | 3442.655 | 3383.274 | 3285.886 |
| 47.5 | 741.197 | 795.537 | 1021.465 | 1429.567 | 2030.932 | 2623.930 | 3235.579 | 3356.961 | 3346.476 | 3293.044 |
| 50.0 | 477.766 | 503.675 | 650.967 | 1051.004 | 1727.880 | 2473.110 | 3117.020 | 3231.143 | 3248.685 | 3214.105 |
| 52.5 | 237.119 | 247.301 | 385.318 | 718.816 | 1431.482 | 2320.576 | 2928.999 | 3084.557 | 3134.159 | 3129.924 |
| 55.0 | 200.825 | 200.220 | 216.048 | 447.319 | 1139.016 | 2126.606 | 2672.221 | 2869.517 | 2938.475 | 2925.168 |
| 57.5 | 177.940 | 176.932 | 180.662 | 268.069 | 856.933 | 1908.542 | 2520.997 | 2783.622 | 2844.817 | 2839.474 |
| 60.0 | 159.894 | 158.281 | 160.902 | 184.997 | 600.055 | 1708.221 | 2653.772 | 2936.257 | 3017.111 | 3046.146 |
| 62.5 | 147.090 | 144.671 | 145.175 | 155.861 | 417.175 | 1495.601 | 2753.781 | 3175.191 | 3329.640 | 3416.846 |
| 65.0 | 135.799 | 133.682 | 131.867 | 140.033 | 305.875 | 1219.568 | 2536.825 | 3116.717 | 3331.354 | 3434.489 |
| 67.5 | 123.398 | 122.390 | 120.273 | 127.733 | 245.285 | 1045.257 | 2140.922 | 2663.148 | 2799.652 | 2853.286 |
| 70.0 | 108.679 | 108.276 | 108.074 | 116.442 | 195.683 | 845.440 | 1775.969 | 2211.493 | 2286.601 | 2263.312 |
| 72.5 | 91.742 | 91.641 | 92.750 | 106.058 | 161.910 | 697.745 | 1269.572 | 1503.263 | 1562.845 | 1555.586 |
| 75.0 | 72.486 | 73.192 | 75.511 | 96.682 | 132.371 | 506.599 | 720.530 | 863.083 | 943.534 | 951.196 |
| 77.5 | 50.811 | 52.424 | 56.154 | 78.031 | 99.505 | 267.363 | 421.914 | 427.862 | 420.200 | 402.255 |
| 80.0 | 27.724 | 30.245 | 32.664 | 51.718 | 70.672 | 122.189 | 226.029 | 169.774 | 136.202 | 116.543 |
| 82.5 | 16.030 | 17.139 | 18.248 | 30.749 | 46.274 | 62.002 | 101.521 | 80.854 | 68.252 | 60.389 |
| 85.0 | 8.166 | 8.569 | 8.771 | 15.727 | 28.128 | 37.503 | 36.899 | 34.378 | 31.253 | 29.741 |
| 87.5 | 3.226 | 3.529 | 3.529 | 5.746 | 9.779 | 13.106 | 9.779 | 11.090 | 10.989 | 10.787 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Vert.
Angles

Horizontal Angles

| | <u>67.5</u> | <u>70.0</u> | <u>72.5</u> | <u>75.0</u> | <u>77.5</u> | <u>80.0</u> | <u>82.5</u> | <u>85.0</u> | <u>87.5</u> | <u>90.0</u> |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 |
| 2.5 | 1777.179 | 1768.912 | 1773.651 | 1767.602 | 1757.923 | 1750.261 | 1742.297 | 1747.237 | 1750.967 | 1747.741 |
| 5.0 | 1798.754 | 1788.471 | 1789.479 | 1779.195 | 1766.896 | 1755.403 | 1743.809 | 1745.120 | 1745.624 | 1739.978 |
| 7.5 | 1821.135 | 1805.206 | 1803.694 | 1789.882 | 1773.449 | 1759.032 | 1742.902 | 1741.894 | 1738.668 | 1729.796 |
| 10.0 | 1834.342 | 1816.699 | 1812.364 | 1795.124 | 1775.062 | 1755.504 | 1737.962 | 1732.619 | 1726.066 | 1713.665 |
| 12.5 | 1842.911 | 1821.941 | 1813.473 | 1792.806 | 1770.727 | 1748.144 | 1726.771 | 1718.605 | 1709.431 | 1693.704 |
| 15.0 | 1850.472 | 1824.361 | 1813.674 | 1788.975 | 1764.174 | 1738.567 | 1713.060 | 1702.576 | 1689.671 | 1672.331 |
| 17.5 | 1871.442 | 1835.451 | 1817.203 | 1787.966 | 1760.343 | 1731.409 | 1703.886 | 1689.470 | 1673.641 | 1653.882 |
| 20.0 | 1907.231 | 1857.025 | 1826.377 | 1791.193 | 1757.923 | 1725.562 | 1694.107 | 1678.380 | 1660.636 | 1637.852 |
| 22.5 | 1956.732 | 1889.690 | 1843.314 | 1797.645 | 1759.032 | 1721.126 | 1686.848 | 1668.197 | 1647.833 | 1623.133 |
| 25.0 | 2021.859 | 1944.231 | 1878.398 | 1817.203 | 1769.618 | 1724.957 | 1685.739 | 1665.475 | 1641.481 | 1615.068 |
| 27.5 | 2101.503 | 2017.826 | 1936.770 | 1854.606 | 1793.108 | 1740.785 | 1695.216 | 1671.524 | 1645.716 | 1616.076 |
| 30.0 | 2197.581 | 2106.141 | 2013.794 | 1911.869 | 1832.426 | 1767.904 | 1715.682 | 1688.159 | 1659.426 | 1627.670 |
| 32.5 | 2317.955 | 2218.550 | 2113.400 | 1995.949 | 1896.243 | 1812.767 | 1750.060 | 1718.605 | 1686.344 | 1651.664 |
| 35.0 | 2462.726 | 2351.123 | 2233.370 | 2100.697 | 1982.037 | 1873.357 | 1798.552 | 1760.645 | 1723.243 | 1685.639 |
| 37.5 | 2619.696 | 2492.971 | 2361.406 | 2211.796 | 2074.485 | 1937.174 | 1844.524 | 1795.729 | 1753.185 | 1712.254 |
| 40.0 | 2785.135 | 2637.238 | 2479.965 | 2312.813 | 2157.658 | 1998.167 | 1879.608 | 1816.296 | 1768.307 | 1723.545 |
| 42.5 | 2972.450 | 2788.966 | 2600.642 | 2409.596 | 2233.068 | 2056.035 | 1915.196 | 1835.350 | 1779.800 | 1733.425 |
| 45.0 | 3129.420 | 2926.176 | 2707.607 | 2496.701 | 2305.958 | 2116.323 | 1962.075 | 1865.998 | 1802.887 | 1752.681 |
| 47.5 | 3174.787 | 3005.719 | 2773.843 | 2541.665 | 2355.559 | 2173.587 | 2016.717 | 1911.365 | 1844.121 | 1792.100 |
| 50.0 | 3145.147 | 3009.349 | 2773.642 | 2542.774 | 2363.322 | 2205.243 | 2070.553 | 1968.931 | 1912.071 | 1868.014 |
| 52.5 | 3062.277 | 2909.239 | 2658.208 | 2478.957 | 2354.954 | 2250.005 | 2174.595 | 2119.146 | 2097.874 | 2077.106 |
| 55.0 | 2850.262 | 2719.604 | 2563.945 | 2462.323 | 2427.340 | 2395.079 | 2379.855 | 2366.749 | 2365.741 | 2347.998 |
| 57.5 | 2775.154 | 2721.621 | 2677.161 | 2642.279 | 2634.617 | 2627.056 | 2621.107 | 2594.290 | 2557.997 | 2505.169 |
| 60.0 | 3020.338 | 3028.100 | 3008.945 | 2955.311 | 2896.536 | 2857.722 | 2781.102 | 2700.248 | 2627.156 | 2546.201 |
| 62.5 | 3432.976 | 3437.513 | 3371.882 | 3234.974 | 3081.533 | 2944.020 | 2824.150 | 2698.736 | 2554.569 | 2417.258 |
| 65.0 | 3430.456 | 3361.195 | 3227.111 | 3064.797 | 2881.313 | 2736.945 | 2620.906 | 2510.513 | 2361.910 | 2225.204 |
| 67.5 | 2852.379 | 2767.996 | 2644.093 | 2518.175 | 2382.678 | 2247.888 | 2146.467 | 2065.109 | 1962.478 | 1871.442 |
| 70.0 | 2207.057 | 2110.274 | 1998.268 | 1885.354 | 1782.522 | 1662.451 | 1563.752 | 1493.081 | 1404.968 | 1334.800 |
| 72.5 | 1502.456 | 1414.545 | 1325.122 | 1249.006 | 1175.209 | 1095.262 | 1022.674 | 974.989 | 908.349 | 864.091 |
| 75.0 | 913.592 | 840.299 | 770.030 | 711.154 | 650.362 | 574.246 | 496.820 | 458.308 | 417.679 | 395.097 |
| 77.5 | 367.070 | 305.673 | 250.527 | 194.776 | 150.316 | 122.088 | 103.336 | 96.783 | 90.432 | 87.407 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 80.0 | 102.630 | 94.061 | 88.415 | 80.955 | 73.495 | 66.034 | 59.380 | 55.449 | 52.122 | 50.105 |
| 82.5 | 57.566 | 54.340 | 50.206 | 46.678 | 42.443 | 37.201 | 32.967 | 30.446 | 28.833 | 27.724 |
| 85.0 | 28.531 | 26.918 | 25.204 | 23.692 | 21.272 | 18.348 | 15.727 | 14.215 | 13.106 | 12.400 |
| 87.5 | 10.485 | 10.182 | 9.981 | 9.073 | 7.964 | 6.654 | 5.646 | 5.041 | 4.537 | 4.234 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Vert. Horizontal Angles

| | <u>92.5</u> | <u>95.0</u> | <u>97.5</u> | <u>100.0</u> | <u>102.5</u> | <u>105.0</u> | <u>107.5</u> | <u>110.0</u> | <u>112.5</u> | <u>115.0</u> |
|------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 |
| 2.5 | 1744.212 | 1735.139 | 1723.848 | 1726.267 | 1726.671 | 1731.006 | 1730.804 | 1721.731 | 1725.461 | 1730.199 |
| 5.0 | 1734.534 | 1721.327 | 1707.919 | 1707.516 | 1708.020 | 1709.733 | 1708.020 | 1698.039 | 1702.273 | 1706.709 |
| 7.5 | 1721.428 | 1705.802 | 1691.687 | 1690.881 | 1687.756 | 1688.965 | 1687.957 | 1676.968 | 1680.094 | 1682.211 |
| 10.0 | 1704.491 | 1686.949 | 1671.726 | 1668.097 | 1666.181 | 1666.080 | 1664.669 | 1652.269 | 1653.277 | 1654.486 |
| 12.5 | 1681.303 | 1663.862 | 1647.329 | 1643.296 | 1638.860 | 1638.558 | 1635.130 | 1620.411 | 1618.697 | 1615.068 |
| 15.0 | 1658.418 | 1639.767 | 1622.326 | 1616.580 | 1611.438 | 1609.119 | 1600.853 | 1585.024 | 1579.681 | 1570.205 |
| 17.5 | 1638.054 | 1618.495 | 1600.550 | 1593.090 | 1585.831 | 1581.093 | 1568.390 | 1548.832 | 1538.851 | 1523.930 |
| 20.0 | 1619.403 | 1598.534 | 1579.782 | 1570.910 | 1560.022 | 1551.856 | 1535.020 | 1511.026 | 1494.996 | 1475.135 |
| 22.5 | 1603.373 | 1581.395 | 1560.829 | 1548.529 | 1533.306 | 1521.511 | 1498.928 | 1471.304 | 1451.444 | 1430.575 |
| 25.0 | 1594.098 | 1569.700 | 1546.009 | 1529.273 | 1510.522 | 1492.778 | 1464.550 | 1435.011 | 1413.940 | 1392.769 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-730-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 27.5 | 1593.896 | 1566.273 | 1539.859 | 1517.175 | 1493.081 | 1471.002 | 1437.733 | 1405.774 | 1381.982 | 1364.641 |
| 30.0 | 1603.070 | 1572.624 | 1542.178 | 1514.453 | 1485.822 | 1457.392 | 1419.183 | 1386.216 | 1362.625 | 1342.260 |
| 32.5 | 1625.149 | 1590.267 | 1556.897 | 1523.829 | 1489.250 | 1455.779 | 1413.335 | 1380.570 | 1351.838 | 1324.618 |
| 35.0 | 1656.402 | 1617.487 | 1580.488 | 1541.472 | 1500.541 | 1463.037 | 1419.485 | 1383.393 | 1347.603 | 1312.822 |
| 37.5 | 1680.900 | 1639.364 | 1598.534 | 1556.292 | 1511.731 | 1472.111 | 1425.534 | 1385.611 | 1343.168 | 1300.623 |
| 40.0 | 1691.687 | 1646.320 | 1602.869 | 1556.292 | 1510.824 | 1469.590 | 1420.392 | 1375.933 | 1327.844 | 1278.847 |
| 42.5 | 1697.837 | 1648.538 | 1601.054 | 1550.949 | 1503.666 | 1461.424 | 1406.681 | 1357.987 | 1308.084 | 1249.409 |
| 45.0 | 1715.782 | 1662.451 | 1609.926 | 1555.284 | 1504.876 | 1459.307 | 1398.011 | 1344.579 | 1288.525 | 1216.846 |
| 47.5 | 1751.471 | 1694.611 | 1636.642 | 1573.027 | 1519.293 | 1467.877 | 1400.431 | 1341.555 | 1273.706 | 1183.879 |
| 50.0 | 1835.350 | 1785.144 | 1732.719 | 1671.323 | 1616.983 | 1567.180 | 1490.661 | 1417.267 | 1335.002 | 1221.181 |
| 52.5 | 2061.278 | 2022.968 | 1978.206 | 1913.684 | 1848.658 | 1799.056 | 1708.423 | 1622.528 | 1515.764 | 1359.096 |
| 55.0 | 2324.407 | 2272.083 | 2207.965 | 2135.982 | 2064.302 | 2000.788 | 1891.403 | 1781.918 | 1625.956 | 1383.393 |
| 57.5 | 2458.088 | 2388.223 | 2314.023 | 2231.253 | 2144.652 | 2055.027 | 1914.994 | 1743.103 | 1513.143 | 1225.516 |
| 60.0 | 2456.576 | 2352.333 | 2253.533 | 2142.737 | 2042.425 | 1918.523 | 1753.387 | 1566.676 | 1331.775 | 1041.124 |
| 62.5 | 2282.871 | 2143.140 | 2037.989 | 1943.424 | 1862.570 | 1761.553 | 1621.520 | 1444.387 | 1204.344 | 907.745 |
| 65.0 | 2102.612 | 1972.762 | 1880.011 | 1805.710 | 1740.079 | 1655.797 | 1534.213 | 1359.197 | 1107.158 | 820.237 |
| 67.5 | 1807.021 | 1703.584 | 1629.484 | 1583.311 | 1553.167 | 1499.835 | 1412.730 | 1248.199 | 1014.710 | 758.739 |
| 70.0 | 1301.127 | 1232.270 | 1185.189 | 1166.740 | 1177.527 | 1152.122 | 1127.220 | 1017.432 | 833.544 | 631.106 |
| 72.5 | 839.089 | 793.117 | 759.545 | 743.516 | 755.513 | 746.540 | 755.311 | 682.623 | 553.982 | 407.598 |
| 75.0 | 390.862 | 363.743 | 349.830 | 354.065 | 380.680 | 375.135 | 384.007 | 336.019 | 238.631 | 156.264 |
| 77.5 | 87.710 | 83.375 | 81.560 | 82.568 | 87.710 | 90.028 | 103.134 | 97.186 | 74.503 | 54.642 |
| 80.0 | 49.702 | 48.291 | 47.887 | 46.879 | 46.375 | 43.149 | 37.100 | 28.027 | 21.272 | 16.231 |
| 82.5 | 27.624 | 27.523 | 27.422 | 27.019 | 26.010 | 20.768 | 13.106 | 9.376 | 6.351 | 4.335 |
| 85.0 | 12.804 | 12.804 | 12.703 | 12.300 | 10.283 | 6.553 | 4.436 | 3.125 | 2.218 | 1.512 |
| 87.5 | 4.436 | 4.234 | 4.033 | 3.428 | 2.420 | 1.815 | 1.411 | 1.210 | 1.008 | 0.907 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-730-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Vert.
Angles

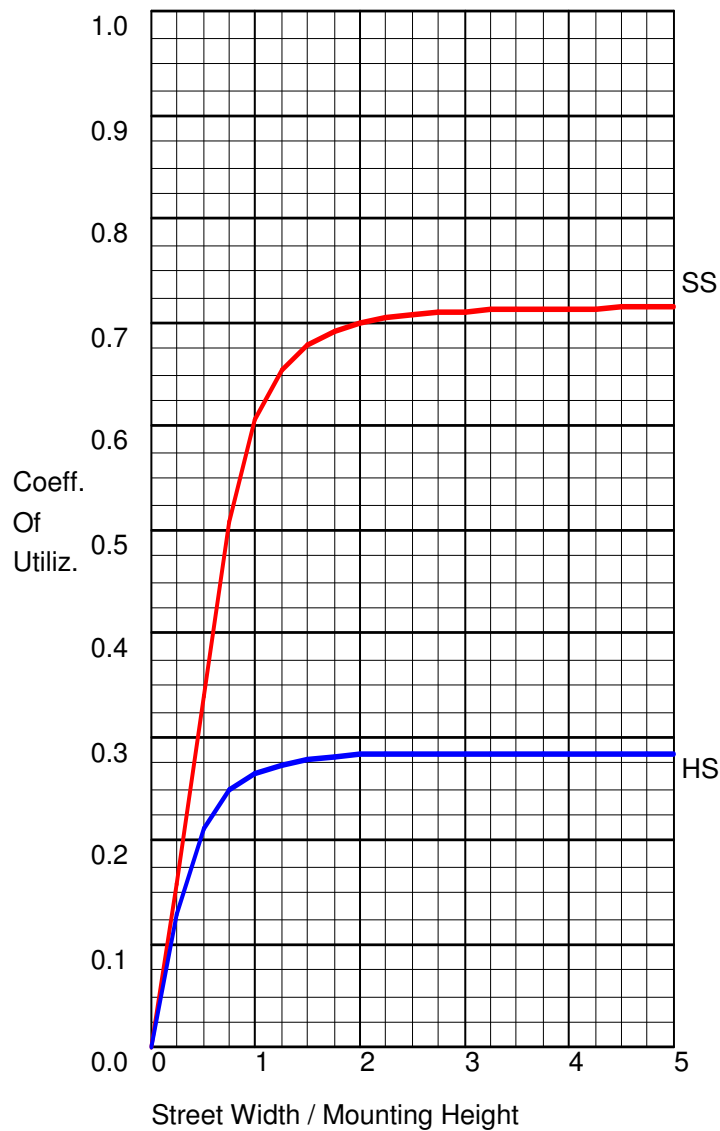
Horizontal Angles

| | 117.5 | 120.0 | 125.0 | 135.0 | 145.0 | 155.0 | 165.0 | 175.0 | 180.0 |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.0 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 | 1762.561 |
| 2.5 | 1728.284 | 1732.417 | 1737.055 | 1736.853 | 1720.017 | 1714.169 | 1725.965 | 1735.341 | 1717.799 |
| 5.0 | 1704.088 | 1705.499 | 1708.725 | 1706.810 | 1684.933 | 1672.230 | 1679.086 | 1685.235 | 1671.524 |
| 7.5 | 1679.993 | 1680.194 | 1678.682 | 1666.988 | 1633.517 | 1609.523 | 1605.994 | 1606.196 | 1593.997 |
| 10.0 | 1648.135 | 1644.405 | 1637.751 | 1609.321 | 1561.635 | 1528.467 | 1524.737 | 1527.660 | 1516.268 |
| 12.5 | 1606.297 | 1598.735 | 1581.294 | 1535.625 | 1490.157 | 1477.555 | 1498.424 | 1514.958 | 1506.187 |
| 15.0 | 1558.207 | 1545.001 | 1517.579 | 1474.631 | 1462.332 | 1466.163 | 1465.558 | 1463.239 | 1455.577 |
| 17.5 | 1507.296 | 1490.560 | 1461.324 | 1447.613 | 1438.741 | 1397.709 | 1366.758 | 1349.821 | 1343.772 |
| 20.0 | 1457.493 | 1440.656 | 1422.610 | 1422.106 | 1365.145 | 1284.896 | 1220.979 | 1169.059 | 1165.631 |
| 22.5 | 1413.436 | 1402.548 | 1394.987 | 1363.028 | 1256.466 | 1101.512 | 874.375 | 709.944 | 705.004 |
| 25.0 | 1379.562 | 1372.404 | 1360.407 | 1275.823 | 1089.818 | 724.159 | 511.640 | 433.608 | 432.096 |
| 27.5 | 1351.535 | 1340.647 | 1312.217 | 1163.111 | 799.166 | 451.453 | 327.046 | 283.998 | 282.788 |
| 30.0 | 1323.710 | 1306.874 | 1251.728 | 990.111 | 510.732 | 303.556 | 244.680 | 232.884 | 233.892 |
| 32.5 | 1298.405 | 1270.984 | 1182.064 | 769.224 | 350.738 | 237.522 | 220.383 | 216.149 | 217.661 |
| 35.0 | 1277.537 | 1233.379 | 1096.270 | 546.421 | 262.524 | 215.242 | 207.781 | 205.261 | 206.370 |
| 37.5 | 1253.845 | 1192.650 | 987.087 | 384.309 | 223.307 | 202.841 | 198.103 | 196.792 | 196.792 |
| 40.0 | 1219.467 | 1136.596 | 866.713 | 296.398 | 203.849 | 192.760 | 190.239 | 188.929 | 187.920 |
| 42.5 | 1175.108 | 1061.993 | 747.649 | 245.889 | 190.844 | 184.392 | 182.880 | 181.267 | 179.049 |
| 45.0 | 1122.381 | 980.937 | 631.308 | 216.048 | 181.468 | 178.041 | 176.024 | 173.605 | 171.185 |
| 47.5 | 1064.916 | 903.813 | 526.460 | 196.490 | 173.504 | 171.387 | 168.765 | 166.043 | 163.422 |
| 50.0 | 1073.990 | 886.977 | 489.863 | 186.912 | 166.245 | 163.019 | 159.591 | 157.474 | 155.055 |
| 52.5 | 1173.999 | 941.719 | 471.717 | 178.645 | 160.801 | 152.937 | 151.022 | 150.316 | 148.401 |
| 55.0 | 1120.466 | 837.879 | 376.547 | 170.479 | 154.349 | 144.872 | 143.158 | 144.872 | 143.461 |
| 57.5 | 955.834 | 691.394 | 305.270 | 161.003 | 145.376 | 137.109 | 135.698 | 139.025 | 138.118 |
| 60.0 | 795.940 | 569.710 | 256.173 | 147.997 | 134.589 | 128.338 | 126.826 | 131.867 | 132.270 |
| 62.5 | 685.043 | 489.662 | 223.811 | 131.766 | 120.374 | 115.636 | 107.570 | 111.805 | 113.821 |
| 65.0 | 612.153 | 429.878 | 193.768 | 113.418 | 102.025 | 82.871 | 66.639 | 58.271 | 60.187 |
| 67.5 | 569.407 | 394.391 | 170.580 | 92.549 | 69.361 | 40.427 | 23.793 | 14.820 | 17.038 |
| 70.0 | 489.460 | 359.005 | 152.837 | 60.792 | 30.245 | 9.678 | 2.924 | 2.420 | 2.319 |
| 72.5 | 309.000 | 224.416 | 100.412 | 30.144 | 5.847 | 2.016 | 1.815 | 1.815 | 1.815 |
| 75.0 | 124.810 | 88.113 | 47.686 | 5.041 | 1.714 | 1.210 | 0.907 | 0.807 | 0.907 |
| 77.5 | 42.040 | 32.261 | 10.787 | 1.512 | 0.907 | 0.504 | 0.302 | 0.302 | 0.302 |
| 80.0 | 11.392 | 6.150 | 1.815 | 0.807 | 0.403 | 0.202 | 0.202 | 0.202 | 0.202 |
| 82.5 | 2.924 | 1.815 | 0.907 | 0.403 | 0.302 | 0.202 | 0.202 | 0.202 | 0.202 |
| 85.0 | 1.109 | 0.907 | 0.605 | 0.302 | 0.202 | 0.202 | 0.101 | 0.202 | 0.202 |
| 87.5 | 0.706 | 0.605 | 0.504 | 0.302 | 0.202 | 0.202 | 0.101 | 0.202 | 0.202 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-730-T2-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

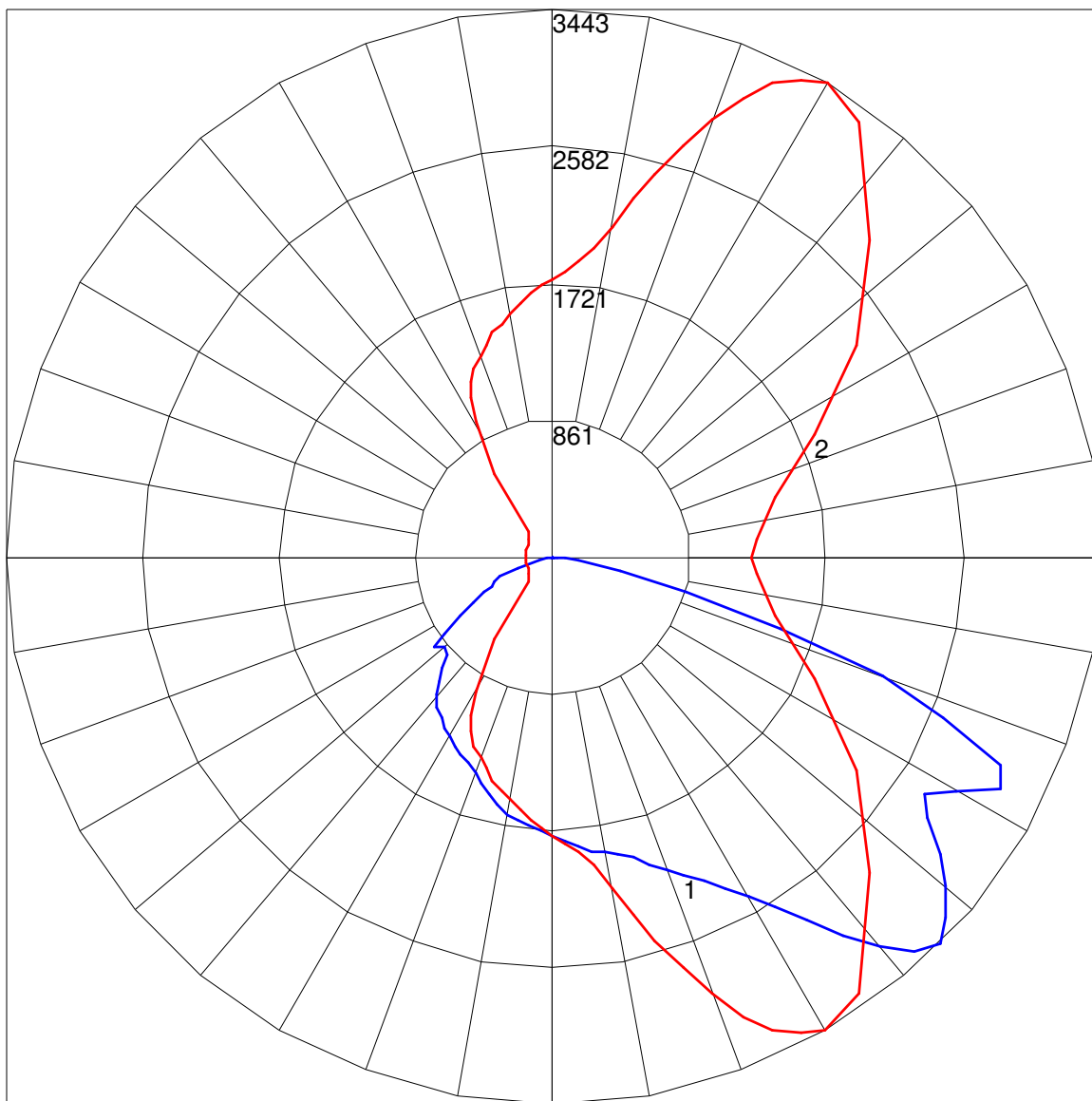
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

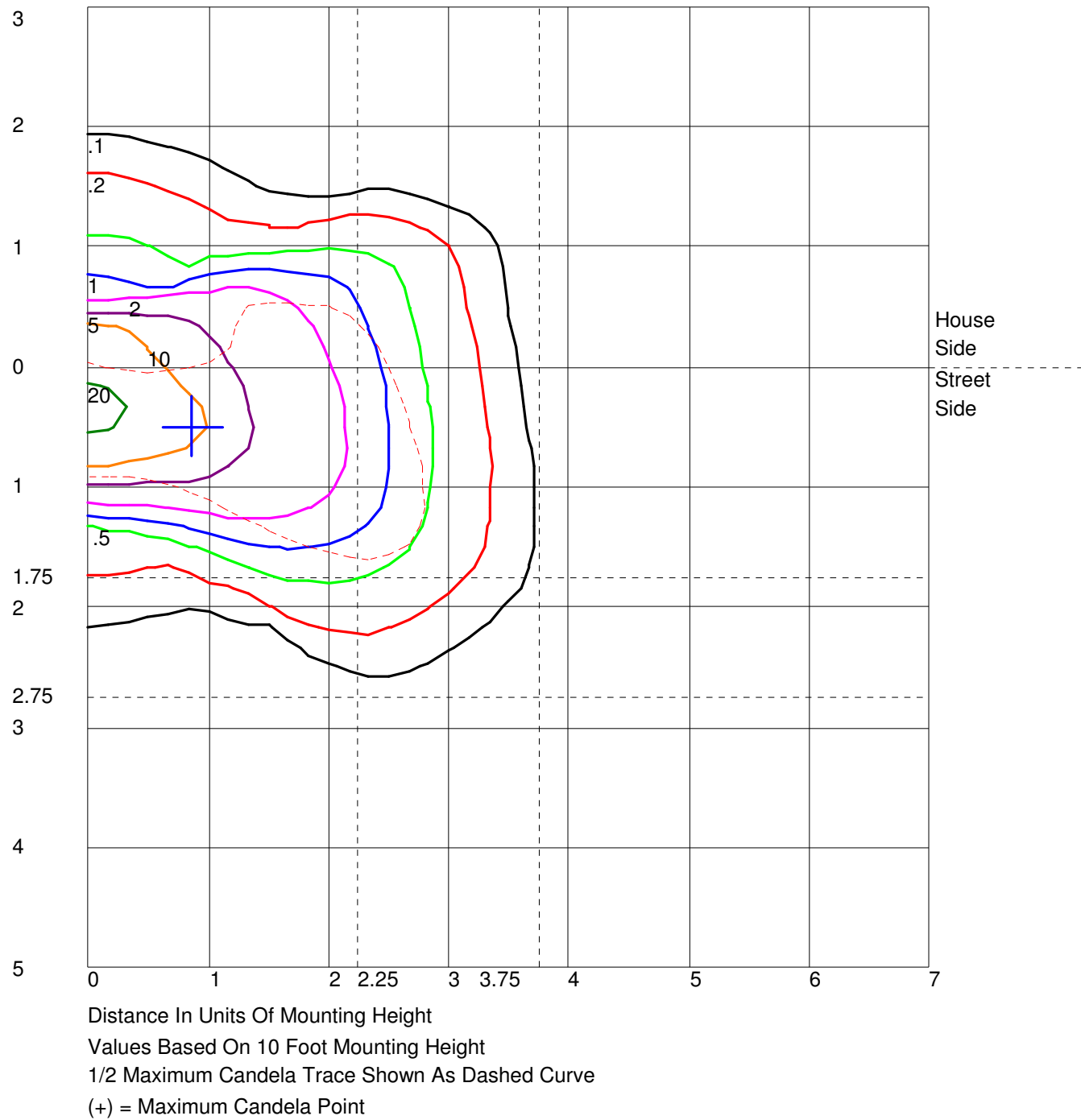
| | Lumens | Percent Of Luminaire |
|----------------------|--------|----------------------|
| Downward Street Side | 4364.1 | 71.6 |
| Downward House Side | 1729.6 | 28.4 |
| Downward Total | 6093.7 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 6093.7 | 100.0 |

POLAR GRAPH

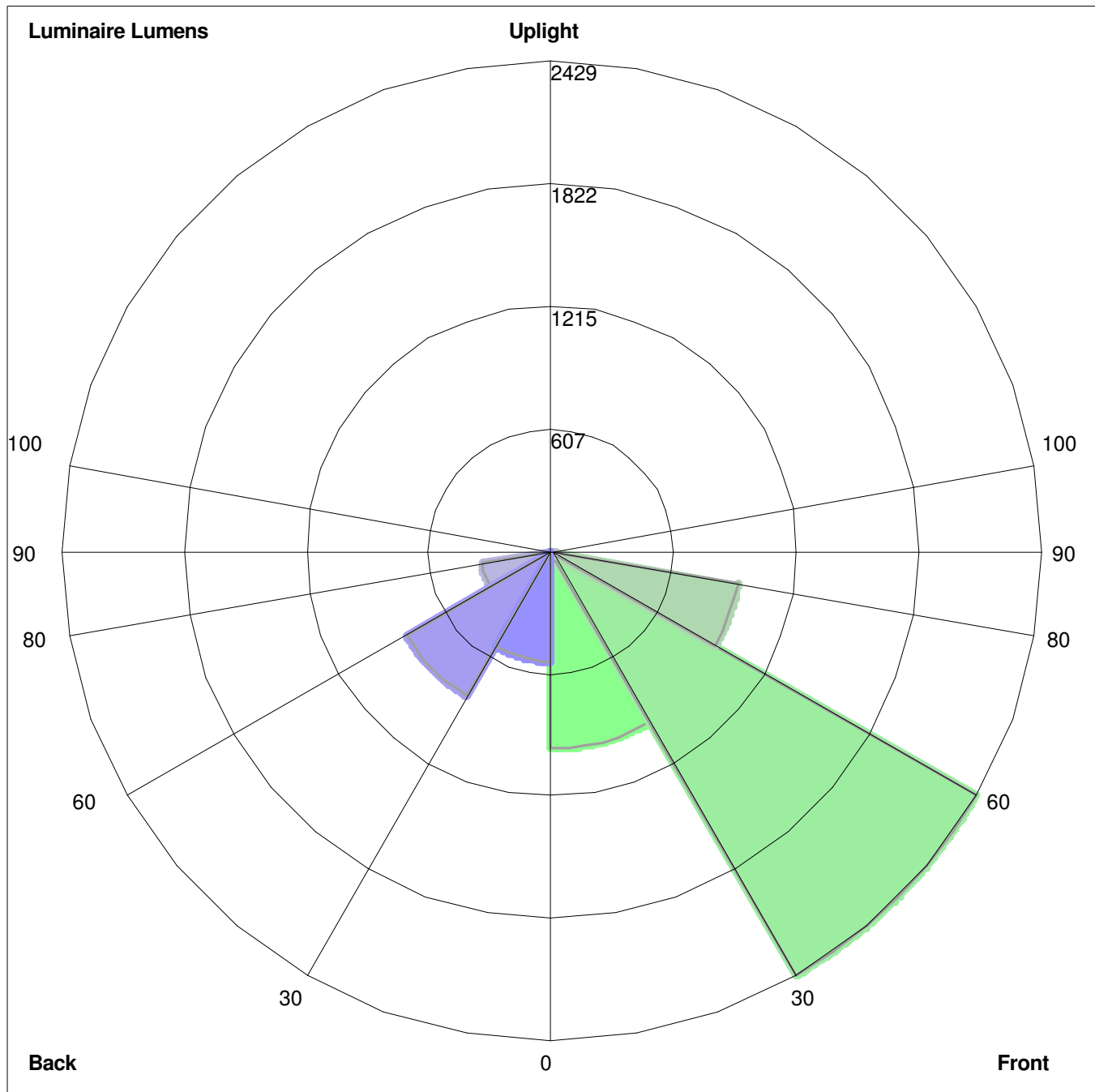


Maximum Candela = 3442.655 Located At Horizontal Angle = 60, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=979.9, Medium= 2429.0, High=939.0, Very High=16.2
Back: Low=545.8, Medium=830.4, High=351.3, Very High=2.1
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1