



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-750-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.
[ISSUE DATE] 2024-01-31
[TEST DATE] 4/25/2023
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L60-750-T2-xxx-CGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[LAMP] 8 white LEDs
[BALLAST] UNIVERSAL VOLTAGE LED DRIVER
[_SEARCH_SOURCE TYPE] 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 | 6607 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 135 |
| Total Luminaire Watts | 49 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 3732.561 |
| Maximum Candela Angle | 60H 45V |
| Maximum Candela (<90 Degrees Vertical) | 3732.561 |
| 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 | 245.063 (3.7% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-750-T2-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 1062.4 | N.A. | 16.1 |
| FM - Front-Medium (30-60) | 2633.6 | N.A. | 39.9 |
| FH - Front-High (60-80) | 1018.0 | N.A. | 15.4 |
| FVH - Front-Very High (80-90) | 17.6 | N.A. | 0.3 |
| BL - Back-Low (0-30) | 591.7 | N.A. | 9.0 |
| BM - Back-Medium (30-60) | 900.3 | N.A. | 13.6 |
| BH - Back-High (60-80) | 380.9 | N.A. | 5.8 |
| BVH - Back-Very High (80-90) | 2.3 | 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 | 6606.8 | N.A. | 100.0 |
| BUG Rating | B2-U0-G1 | | |

IES ROAD REPORT
PHOTOMETRIC FILENAME : VWPX-L60-750-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 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 |
| 2.5 | 1986.189 | 2003.022 | 1991.763 | 1973.181 | 1972.307 | 1981.707 | 1965.530 | 1951.429 | 1941.045 | 1937.548 |
| 5.0 | 2071.228 | 2089.264 | 2074.617 | 2049.586 | 2042.153 | 2039.639 | 2009.252 | 1987.719 | 1972.853 | 1965.967 |
| 7.5 | 2172.445 | 2192.666 | 2172.445 | 2134.735 | 2111.999 | 2095.057 | 2050.023 | 2023.134 | 2003.677 | 1993.184 |
| 10.0 | 2366.899 | 2383.514 | 2352.690 | 2286.560 | 2222.288 | 2165.777 | 2088.608 | 2051.662 | 2026.959 | 2012.531 |
| 12.5 | 2561.572 | 2581.466 | 2541.897 | 2460.574 | 2375.972 | 2279.346 | 2137.577 | 2080.082 | 2047.400 | 2025.648 |
| 15.0 | 2776.904 | 2797.235 | 2746.626 | 2636.446 | 2520.583 | 2400.893 | 2216.714 | 2125.116 | 2078.442 | 2045.213 |
| 17.5 | 2991.798 | 3020.655 | 2958.460 | 2827.840 | 2679.841 | 2519.162 | 2308.093 | 2196.274 | 2132.548 | 2084.235 |
| 20.0 | 3193.248 | 3234.566 | 3161.659 | 3012.457 | 2834.617 | 2645.737 | 2392.914 | 2273.771 | 2203.597 | 2142.386 |
| 22.5 | 3330.317 | 3384.860 | 3312.828 | 3165.703 | 2978.791 | 2766.848 | 2483.200 | 2348.427 | 2274.645 | 2207.860 |
| 25.0 | 3358.518 | 3416.996 | 3362.234 | 3256.536 | 3092.359 | 2885.663 | 2586.166 | 2439.915 | 2358.264 | 2285.357 |
| 27.5 | 3251.617 | 3320.589 | 3301.679 | 3250.852 | 3162.533 | 2997.264 | 2696.783 | 2551.625 | 2464.072 | 2381.655 |
| 30.0 | 3090.938 | 3161.331 | 3141.437 | 3134.879 | 3150.947 | 3086.129 | 2821.938 | 2681.917 | 2585.947 | 2496.535 |
| 32.5 | 2974.528 | 3045.686 | 3008.413 | 2988.300 | 3085.692 | 3165.375 | 2980.540 | 2829.261 | 2731.433 | 2636.993 |
| 35.0 | 2874.404 | 2938.457 | 2892.658 | 2866.425 | 2994.422 | 3240.468 | 3170.622 | 3026.011 | 2905.884 | 2806.307 |
| 37.5 | 2692.848 | 2755.043 | 2753.622 | 2755.589 | 2928.838 | 3299.056 | 3391.310 | 3252.492 | 3128.539 | 2995.952 |
| 40.0 | 2324.707 | 2377.830 | 2469.974 | 2605.513 | 2871.125 | 3309.549 | 3577.129 | 3480.503 | 3359.392 | 3215.984 |
| 42.5 | 1818.514 | 1859.176 | 2037.671 | 2341.978 | 2755.917 | 3236.642 | 3662.606 | 3661.294 | 3562.482 | 3433.501 |
| 45.0 | 1347.517 | 1389.381 | 1578.807 | 1966.514 | 2528.015 | 3052.353 | 3630.360 | 3732.561 | 3668.180 | 3562.591 |
| 47.5 | 803.613 | 862.529 | 1107.482 | 1549.951 | 2201.957 | 2844.892 | 3508.048 | 3639.651 | 3628.284 | 3570.352 |
| 50.0 | 517.998 | 546.090 | 705.785 | 1139.509 | 1873.385 | 2681.371 | 3379.505 | 3503.238 | 3522.257 | 3484.766 |
| 52.5 | 257.086 | 268.126 | 417.765 | 779.348 | 1552.027 | 2515.992 | 3175.650 | 3344.308 | 3398.086 | 3393.496 |
| 55.0 | 217.736 | 217.081 | 234.241 | 484.988 | 1234.932 | 2305.688 | 2897.249 | 3111.160 | 3185.925 | 3171.496 |
| 57.5 | 192.924 | 191.831 | 195.875 | 290.643 | 929.096 | 2069.261 | 2733.291 | 3018.032 | 3084.380 | 3078.587 |
| 60.0 | 173.358 | 171.609 | 174.451 | 200.575 | 650.586 | 1852.071 | 2877.246 | 3183.520 | 3271.183 | 3302.663 |
| 62.5 | 159.477 | 156.853 | 157.400 | 168.986 | 452.306 | 1621.546 | 2985.677 | 3442.574 | 3610.030 | 3704.579 |
| 65.0 | 147.234 | 144.939 | 142.971 | 151.825 | 331.633 | 1322.267 | 2750.452 | 3379.177 | 3611.888 | 3723.707 |
| 67.5 | 133.790 | 132.697 | 130.401 | 138.490 | 265.940 | 1133.278 | 2321.210 | 2887.412 | 3035.411 | 3093.562 |
| 70.0 | 117.831 | 117.394 | 117.175 | 126.248 | 212.162 | 916.635 | 1925.524 | 2397.723 | 2479.156 | 2453.906 |
| 72.5 | 99.468 | 99.359 | 100.561 | 114.989 | 175.544 | 756.503 | 1376.483 | 1629.853 | 1694.452 | 1686.582 |
| 75.0 | 78.591 | 79.356 | 81.870 | 104.824 | 143.518 | 549.260 | 781.206 | 935.764 | 1022.989 | 1031.297 |
| 77.5 | 55.090 | 56.839 | 60.883 | 84.602 | 107.884 | 289.878 | 457.443 | 463.892 | 455.585 | 436.129 |
| 80.0 | 30.059 | 32.792 | 35.415 | 56.074 | 76.623 | 132.478 | 245.063 | 184.070 | 147.672 | 126.357 |
| 82.5 | 17.380 | 18.582 | 19.784 | 33.338 | 50.171 | 67.223 | 110.071 | 87.663 | 74.000 | 65.474 |
| 85.0 | 8.854 | 9.291 | 9.510 | 17.052 | 30.496 | 40.662 | 40.006 | 37.273 | 33.885 | 32.245 |
| 87.5 | 3.498 | 3.826 | 3.826 | 6.230 | 10.603 | 14.210 | 10.603 | 12.024 | 11.914 | 11.696 |
| 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 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-750-T2-XXX-CGL-DIM-UNV_.IES

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 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 |
| 2.5 | 1926.836 | 1917.873 | 1923.010 | 1916.452 | 1905.958 | 1897.651 | 1889.016 | 1894.372 | 1898.416 | 1894.919 |
| 5.0 | 1950.227 | 1939.078 | 1940.171 | 1929.022 | 1915.687 | 1903.226 | 1890.656 | 1892.077 | 1892.623 | 1886.502 |
| 7.5 | 1974.493 | 1957.223 | 1955.583 | 1940.608 | 1922.791 | 1907.161 | 1889.672 | 1888.579 | 1885.081 | 1875.462 |
| 10.0 | 1988.812 | 1969.683 | 1964.983 | 1946.292 | 1924.540 | 1903.335 | 1884.316 | 1878.523 | 1871.418 | 1857.973 |
| 12.5 | 1998.103 | 1975.367 | 1966.186 | 1943.778 | 1919.840 | 1895.356 | 1872.183 | 1863.329 | 1853.382 | 1836.331 |
| 15.0 | 2006.301 | 1977.991 | 1966.404 | 1939.624 | 1912.735 | 1884.972 | 1857.317 | 1845.950 | 1831.959 | 1813.158 |
| 17.5 | 2029.036 | 1990.014 | 1970.230 | 1938.531 | 1908.582 | 1877.211 | 1847.371 | 1831.740 | 1814.579 | 1793.155 |
| 20.0 | 2067.840 | 2013.406 | 1980.177 | 1942.029 | 1905.958 | 1870.871 | 1836.768 | 1819.716 | 1800.479 | 1775.776 |
| 22.5 | 2121.509 | 2048.821 | 1998.540 | 1949.025 | 1907.161 | 1866.062 | 1828.898 | 1808.677 | 1786.597 | 1759.817 |
| 25.0 | 2192.120 | 2107.955 | 2036.578 | 1970.230 | 1918.638 | 1870.215 | 1827.696 | 1805.725 | 1779.711 | 1751.073 |
| 27.5 | 2278.471 | 2187.748 | 2099.866 | 2010.782 | 1944.106 | 1887.376 | 1837.970 | 1812.284 | 1784.301 | 1752.166 |
| 30.0 | 2382.639 | 2283.499 | 2183.375 | 2072.868 | 1986.735 | 1916.780 | 1860.159 | 1830.319 | 1799.167 | 1764.736 |
| 32.5 | 2513.150 | 2405.375 | 2291.369 | 2164.028 | 2055.925 | 1965.420 | 1897.433 | 1863.329 | 1828.352 | 1790.750 |
| 35.0 | 2670.112 | 2549.111 | 2421.443 | 2277.597 | 2148.944 | 2031.113 | 1950.008 | 1908.910 | 1868.357 | 1827.586 |
| 37.5 | 2840.301 | 2702.904 | 2560.261 | 2398.051 | 2249.177 | 2100.303 | 1999.852 | 1946.948 | 1900.821 | 1856.443 |
| 40.0 | 3019.671 | 2859.320 | 2688.804 | 2507.575 | 2339.354 | 2166.433 | 2037.890 | 1969.246 | 1917.217 | 1868.685 |
| 42.5 | 3222.761 | 3023.825 | 2819.642 | 2612.508 | 2421.115 | 2229.174 | 2076.475 | 1989.905 | 1929.678 | 1879.397 |
| 45.0 | 3392.949 | 3172.589 | 2935.615 | 2706.948 | 2500.143 | 2294.539 | 2127.302 | 2023.134 | 1954.709 | 1900.274 |
| 47.5 | 3442.137 | 3258.831 | 3007.429 | 2755.699 | 2553.921 | 2356.625 | 2186.545 | 2072.321 | 1999.414 | 1943.013 |
| 50.0 | 3410.001 | 3262.766 | 3007.210 | 2756.901 | 2562.337 | 2390.946 | 2244.914 | 2134.735 | 2073.086 | 2025.320 |
| 52.5 | 3320.152 | 3154.226 | 2882.056 | 2687.711 | 2553.265 | 2439.478 | 2357.718 | 2297.600 | 2274.536 | 2252.019 |
| 55.0 | 3090.282 | 2948.623 | 2779.855 | 2669.675 | 2631.746 | 2596.769 | 2580.263 | 2566.054 | 2564.961 | 2545.723 |
| 57.5 | 3008.850 | 2950.809 | 2902.605 | 2864.785 | 2856.478 | 2848.280 | 2841.831 | 2812.756 | 2773.406 | 2716.130 |
| 60.0 | 3274.681 | 3283.097 | 3262.329 | 3204.179 | 3140.454 | 3098.371 | 3015.299 | 2927.636 | 2848.390 | 2760.617 |
| 62.5 | 3722.068 | 3726.986 | 3655.829 | 3507.392 | 3341.029 | 3191.936 | 3061.972 | 2925.996 | 2769.690 | 2620.816 |
| 65.0 | 3719.335 | 3644.242 | 3498.866 | 3322.884 | 3123.948 | 2967.423 | 2841.613 | 2721.923 | 2560.807 | 2412.589 |
| 67.5 | 3092.578 | 3001.089 | 2866.753 | 2730.230 | 2583.324 | 2437.183 | 2327.221 | 2239.012 | 2127.739 | 2029.036 |
| 70.0 | 2392.914 | 2287.981 | 2166.542 | 2044.120 | 1932.629 | 1802.446 | 1695.436 | 1618.813 | 1523.280 | 1447.204 |
| 72.5 | 1628.978 | 1533.664 | 1436.710 | 1354.185 | 1274.173 | 1187.494 | 1108.794 | 1057.093 | 984.842 | 936.857 |
| 75.0 | 990.526 | 911.061 | 834.875 | 771.040 | 705.129 | 622.604 | 538.657 | 496.902 | 452.852 | 428.368 |
| 77.5 | 397.981 | 331.414 | 271.624 | 211.178 | 162.974 | 132.369 | 112.038 | 104.933 | 98.047 | 94.768 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-750-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 80.0 | 111.273 | 101.982 | 95.861 | 87.772 | 79.684 | 71.595 | 64.381 | 60.118 | 56.511 | 54.325 |
| 82.5 | 62.413 | 58.916 | 54.434 | 50.608 | 46.018 | 40.334 | 35.743 | 33.010 | 31.261 | 30.059 |
| 85.0 | 30.933 | 29.185 | 27.326 | 25.687 | 23.063 | 19.894 | 17.052 | 15.412 | 14.210 | 13.445 |
| 87.5 | 11.368 | 11.040 | 10.821 | 9.837 | 8.635 | 7.214 | 6.121 | 5.465 | 4.919 | 4.591 |
| 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 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 |
| 2.5 | 1891.093 | 1881.255 | 1869.013 | 1871.636 | 1872.074 | 1876.774 | 1876.555 | 1866.718 | 1870.762 | 1875.899 |
| 5.0 | 1880.600 | 1866.280 | 1851.743 | 1851.306 | 1851.852 | 1853.710 | 1851.852 | 1841.031 | 1845.622 | 1850.431 |
| 7.5 | 1866.390 | 1849.447 | 1834.145 | 1833.270 | 1829.882 | 1831.193 | 1830.100 | 1818.186 | 1821.575 | 1823.870 |
| 10.0 | 1848.026 | 1829.007 | 1812.502 | 1808.567 | 1806.490 | 1806.381 | 1804.851 | 1791.406 | 1792.499 | 1793.811 |
| 12.5 | 1822.886 | 1803.976 | 1786.050 | 1781.678 | 1776.869 | 1776.541 | 1772.824 | 1756.866 | 1755.008 | 1751.073 |
| 15.0 | 1798.074 | 1777.852 | 1758.943 | 1752.712 | 1747.138 | 1744.624 | 1735.661 | 1718.500 | 1712.706 | 1702.432 |
| 17.5 | 1775.994 | 1754.789 | 1735.333 | 1727.244 | 1719.374 | 1714.237 | 1700.464 | 1679.259 | 1668.438 | 1652.261 |
| 20.0 | 1755.773 | 1733.147 | 1712.816 | 1703.197 | 1691.392 | 1682.538 | 1664.284 | 1638.269 | 1620.890 | 1599.357 |
| 22.5 | 1738.393 | 1714.565 | 1692.266 | 1678.931 | 1662.426 | 1649.637 | 1625.153 | 1595.203 | 1573.670 | 1551.044 |
| 25.0 | 1728.337 | 1701.885 | 1676.198 | 1658.054 | 1637.723 | 1618.485 | 1587.880 | 1555.853 | 1533.008 | 1510.054 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-750-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 27.5 | 1728.118 | 1698.169 | 1669.531 | 1644.937 | 1618.813 | 1594.875 | 1558.804 | 1524.155 | 1498.359 | 1479.558 |
| 30.0 | 1738.065 | 1705.055 | 1672.045 | 1641.986 | 1610.943 | 1580.119 | 1538.692 | 1502.949 | 1477.372 | 1455.292 |
| 32.5 | 1762.003 | 1724.183 | 1688.003 | 1652.151 | 1614.659 | 1578.370 | 1532.352 | 1496.828 | 1465.676 | 1436.164 |
| 35.0 | 1795.888 | 1753.696 | 1713.581 | 1671.280 | 1626.902 | 1586.240 | 1539.020 | 1499.889 | 1461.085 | 1423.375 |
| 37.5 | 1822.449 | 1777.415 | 1733.147 | 1687.348 | 1639.035 | 1596.078 | 1545.578 | 1502.293 | 1456.276 | 1410.149 |
| 40.0 | 1834.145 | 1784.957 | 1737.847 | 1687.348 | 1638.051 | 1593.345 | 1540.004 | 1491.800 | 1439.661 | 1386.539 |
| 42.5 | 1840.812 | 1787.362 | 1735.879 | 1681.554 | 1630.290 | 1584.491 | 1525.138 | 1472.344 | 1418.238 | 1354.622 |
| 45.0 | 1860.269 | 1802.446 | 1745.498 | 1686.254 | 1631.602 | 1582.196 | 1515.738 | 1457.806 | 1397.032 | 1319.316 |
| 47.5 | 1898.963 | 1837.315 | 1774.464 | 1705.492 | 1647.232 | 1591.487 | 1518.361 | 1454.527 | 1380.964 | 1283.573 |
| 50.0 | 1989.905 | 1935.471 | 1878.632 | 1812.065 | 1753.149 | 1699.153 | 1616.190 | 1536.615 | 1447.422 | 1324.016 |
| 52.5 | 2234.858 | 2193.322 | 2144.791 | 2074.835 | 2004.333 | 1950.555 | 1852.289 | 1759.161 | 1643.407 | 1473.546 |
| 55.0 | 2520.145 | 2463.416 | 2393.898 | 2315.854 | 2238.137 | 2169.275 | 2050.679 | 1931.973 | 1762.878 | 1499.889 |
| 57.5 | 2665.084 | 2589.336 | 2508.887 | 2419.147 | 2325.254 | 2228.081 | 2076.256 | 1889.890 | 1640.565 | 1328.717 |
| 60.0 | 2663.445 | 2550.423 | 2443.304 | 2323.177 | 2214.418 | 2080.082 | 1901.040 | 1698.606 | 1443.924 | 1128.797 |
| 62.5 | 2475.112 | 2323.614 | 2209.609 | 2107.080 | 2019.417 | 1909.893 | 1758.068 | 1566.019 | 1305.762 | 984.186 |
| 65.0 | 2279.674 | 2138.888 | 2038.327 | 1957.769 | 1886.611 | 1795.232 | 1663.410 | 1473.655 | 1200.392 | 889.309 |
| 67.5 | 1959.190 | 1847.043 | 1766.703 | 1716.641 | 1683.959 | 1626.137 | 1531.697 | 1353.310 | 1100.159 | 822.632 |
| 70.0 | 1410.696 | 1336.040 | 1284.994 | 1264.991 | 1276.687 | 1249.142 | 1222.144 | 1103.110 | 903.737 | 684.252 |
| 72.5 | 909.749 | 859.906 | 823.507 | 806.127 | 819.135 | 809.407 | 818.916 | 740.107 | 600.633 | 441.922 |
| 75.0 | 423.777 | 394.374 | 379.290 | 383.881 | 412.737 | 406.725 | 416.344 | 364.315 | 258.726 | 169.423 |
| 77.5 | 95.096 | 90.396 | 88.428 | 89.521 | 95.096 | 97.610 | 111.819 | 105.370 | 80.777 | 59.244 |
| 80.0 | 53.888 | 52.357 | 51.920 | 50.827 | 50.280 | 46.783 | 40.224 | 30.387 | 23.063 | 17.598 |
| 82.5 | 29.950 | 29.840 | 29.731 | 29.294 | 28.201 | 22.517 | 14.210 | 10.165 | 6.886 | 4.700 |
| 85.0 | 13.882 | 13.882 | 13.772 | 13.335 | 11.149 | 7.105 | 4.809 | 3.388 | 2.405 | 1.640 |
| 87.5 | 4.809 | 4.591 | 4.372 | 3.716 | 2.623 | 1.967 | 1.530 | 1.312 | 1.093 | 0.984 |
| 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-L60-750-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

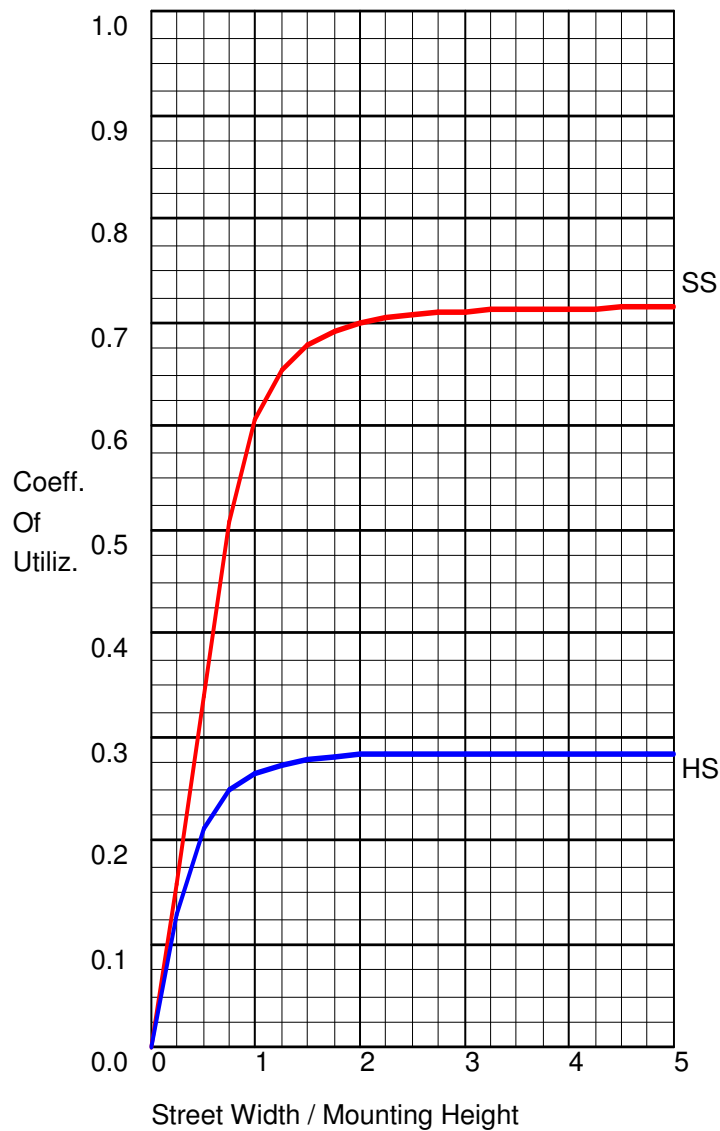
Horizontal Angles

| | 117.5 | 120.0 | 125.0 | 135.0 | 145.0 | 155.0 | 165.0 | 175.0 | 180.0 |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.0 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 | 1910.986 |
| 2.5 | 1873.823 | 1878.304 | 1883.332 | 1883.114 | 1864.860 | 1858.520 | 1871.309 | 1881.474 | 1862.455 |
| 5.0 | 1847.589 | 1849.120 | 1852.617 | 1850.541 | 1826.821 | 1813.049 | 1820.482 | 1827.149 | 1812.284 |
| 7.5 | 1821.465 | 1821.684 | 1820.044 | 1807.365 | 1771.075 | 1745.061 | 1741.235 | 1741.454 | 1728.228 |
| 10.0 | 1786.925 | 1782.880 | 1775.666 | 1744.842 | 1693.141 | 1657.179 | 1653.135 | 1656.305 | 1643.953 |
| 12.5 | 1741.563 | 1733.365 | 1714.455 | 1664.940 | 1615.643 | 1601.980 | 1624.606 | 1642.532 | 1633.023 |
| 15.0 | 1689.424 | 1675.105 | 1645.374 | 1598.810 | 1585.475 | 1589.629 | 1588.973 | 1586.459 | 1578.151 |
| 17.5 | 1634.225 | 1616.080 | 1584.382 | 1569.516 | 1559.897 | 1515.410 | 1481.853 | 1463.490 | 1456.932 |
| 20.0 | 1580.228 | 1561.974 | 1542.409 | 1541.862 | 1480.104 | 1393.097 | 1323.798 | 1267.505 | 1263.789 |
| 22.5 | 1532.462 | 1520.657 | 1512.459 | 1477.809 | 1362.273 | 1194.271 | 948.006 | 769.729 | 764.373 |
| 25.0 | 1495.735 | 1487.974 | 1474.967 | 1383.260 | 1181.591 | 785.141 | 554.725 | 470.123 | 468.483 |
| 27.5 | 1465.348 | 1453.543 | 1422.719 | 1261.056 | 866.464 | 489.470 | 354.587 | 307.913 | 306.602 |
| 30.0 | 1435.180 | 1416.926 | 1357.136 | 1073.488 | 553.741 | 329.119 | 265.284 | 252.495 | 253.589 |
| 32.5 | 1407.744 | 1378.013 | 1281.606 | 834.000 | 380.274 | 257.524 | 238.942 | 234.351 | 235.990 |
| 35.0 | 1385.118 | 1337.242 | 1188.587 | 592.435 | 284.631 | 233.367 | 225.278 | 222.546 | 223.748 |
| 37.5 | 1359.431 | 1293.083 | 1070.209 | 416.672 | 242.111 | 219.922 | 214.785 | 213.364 | 213.364 |
| 40.0 | 1322.158 | 1232.309 | 939.699 | 321.358 | 221.016 | 208.992 | 206.259 | 204.838 | 203.745 |
| 42.5 | 1274.064 | 1151.423 | 810.609 | 266.596 | 206.915 | 199.920 | 198.280 | 196.531 | 194.126 |
| 45.0 | 1216.897 | 1063.542 | 684.470 | 234.241 | 196.750 | 193.033 | 190.847 | 188.224 | 185.601 |
| 47.5 | 1154.593 | 979.923 | 570.793 | 213.036 | 188.115 | 185.819 | 182.977 | 180.026 | 177.184 |
| 50.0 | 1164.430 | 961.669 | 531.115 | 202.652 | 180.245 | 176.747 | 173.030 | 170.735 | 168.112 |
| 52.5 | 1272.861 | 1021.022 | 511.440 | 193.689 | 174.342 | 165.816 | 163.739 | 162.974 | 160.898 |
| 55.0 | 1214.820 | 908.437 | 408.256 | 184.835 | 167.347 | 157.072 | 155.214 | 157.072 | 155.542 |
| 57.5 | 1036.325 | 749.616 | 330.977 | 174.561 | 157.618 | 148.655 | 147.125 | 150.732 | 149.748 |
| 60.0 | 862.966 | 617.685 | 277.745 | 160.460 | 145.923 | 139.146 | 137.506 | 142.971 | 143.409 |
| 62.5 | 742.730 | 530.896 | 242.658 | 142.862 | 130.511 | 125.373 | 116.629 | 121.220 | 123.406 |
| 65.0 | 663.702 | 466.078 | 210.085 | 122.969 | 110.617 | 89.849 | 72.251 | 63.179 | 65.255 |
| 67.5 | 617.357 | 427.603 | 184.945 | 100.342 | 75.202 | 43.831 | 25.796 | 16.068 | 18.473 |
| 70.0 | 530.678 | 389.237 | 165.707 | 65.911 | 32.792 | 10.493 | 3.170 | 2.623 | 2.514 |
| 72.5 | 335.021 | 243.314 | 108.868 | 32.682 | 6.340 | 2.186 | 1.967 | 1.967 | 1.967 |
| 75.0 | 135.320 | 95.533 | 51.701 | 5.465 | 1.858 | 1.312 | 0.984 | 0.874 | 0.984 |
| 77.5 | 45.580 | 34.978 | 11.696 | 1.640 | 0.984 | 0.547 | 0.328 | 0.328 | 0.328 |
| 80.0 | 12.352 | 6.668 | 1.967 | 0.874 | 0.437 | 0.219 | 0.219 | 0.219 | 0.219 |
| 82.5 | 3.170 | 1.967 | 0.984 | 0.437 | 0.328 | 0.219 | 0.219 | 0.219 | 0.219 |
| 85.0 | 1.202 | 0.984 | 0.656 | 0.328 | 0.219 | 0.219 | 0.109 | 0.219 | 0.219 |
| 87.5 | 0.765 | 0.656 | 0.547 | 0.328 | 0.219 | 0.219 | 0.109 | 0.219 | 0.219 |
| 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-L60-750-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 |

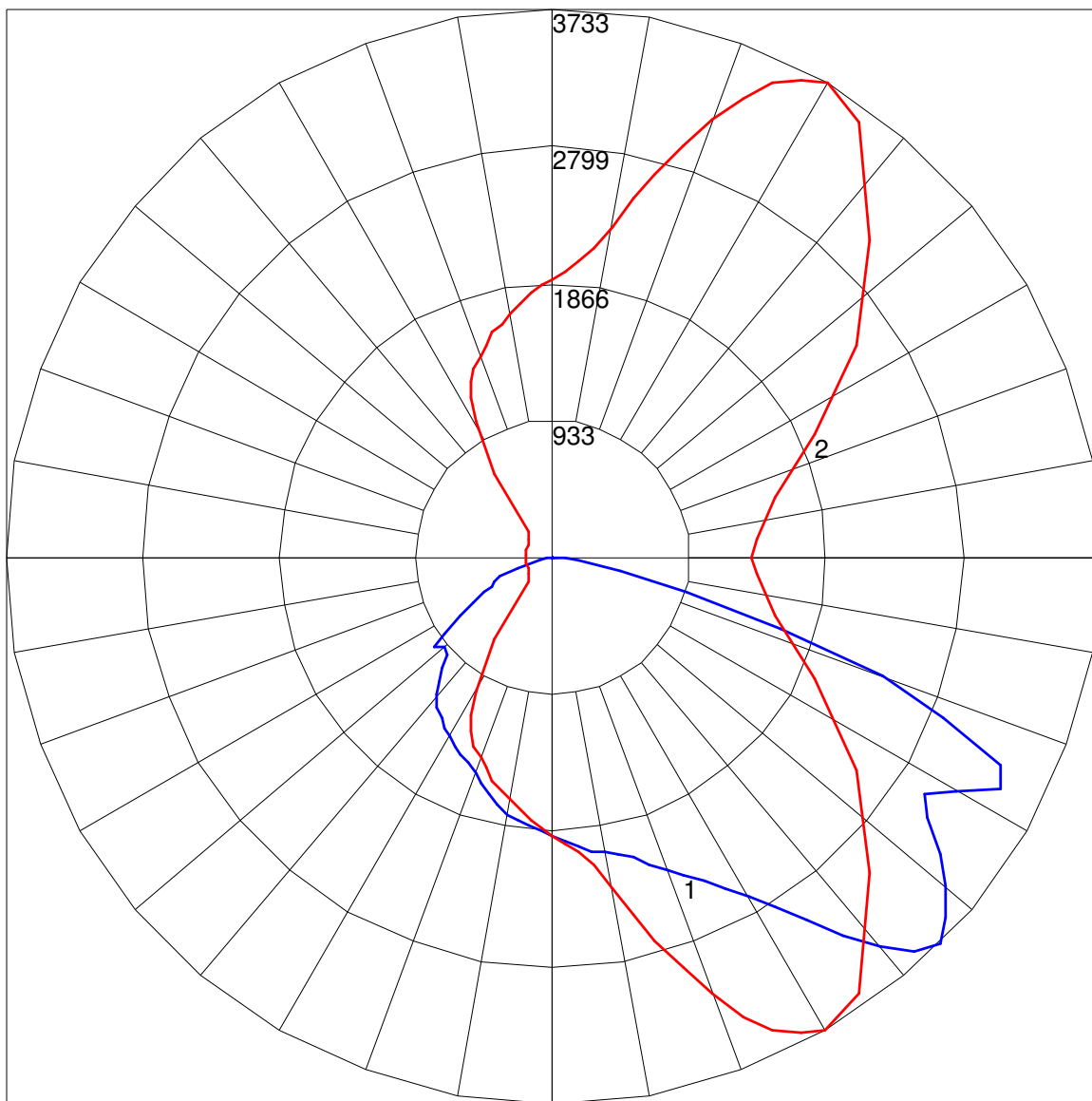
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

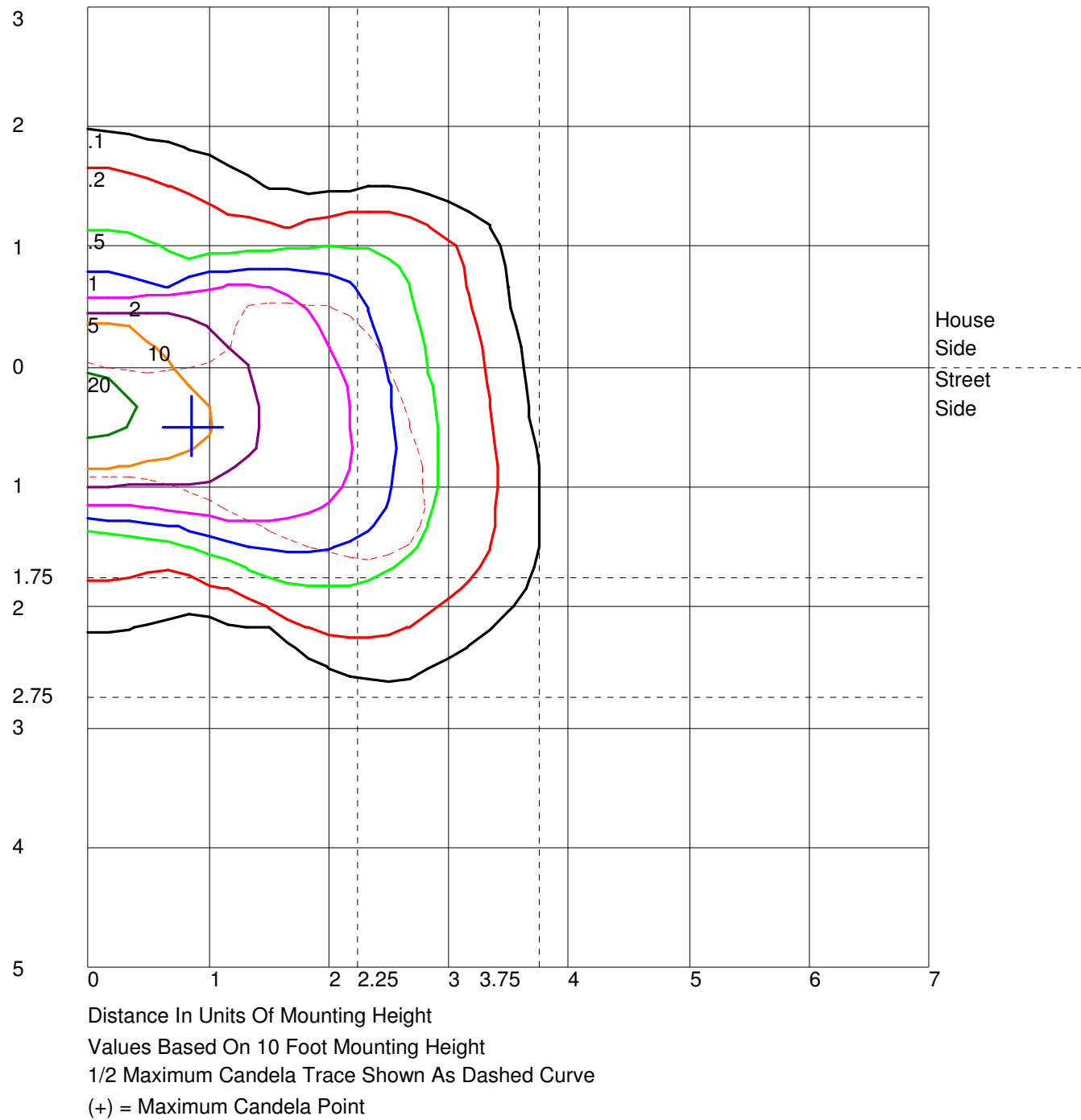
| | Lumens | Percent Of Luminaire |
|----------------------|--------|----------------------|
| Downward Street Side | 4731.6 | 71.6 |
| Downward House Side | 1875.2 | 28.4 |
| Downward Total | 6606.8 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 6606.8 | 100.0 |

POLAR GRAPH

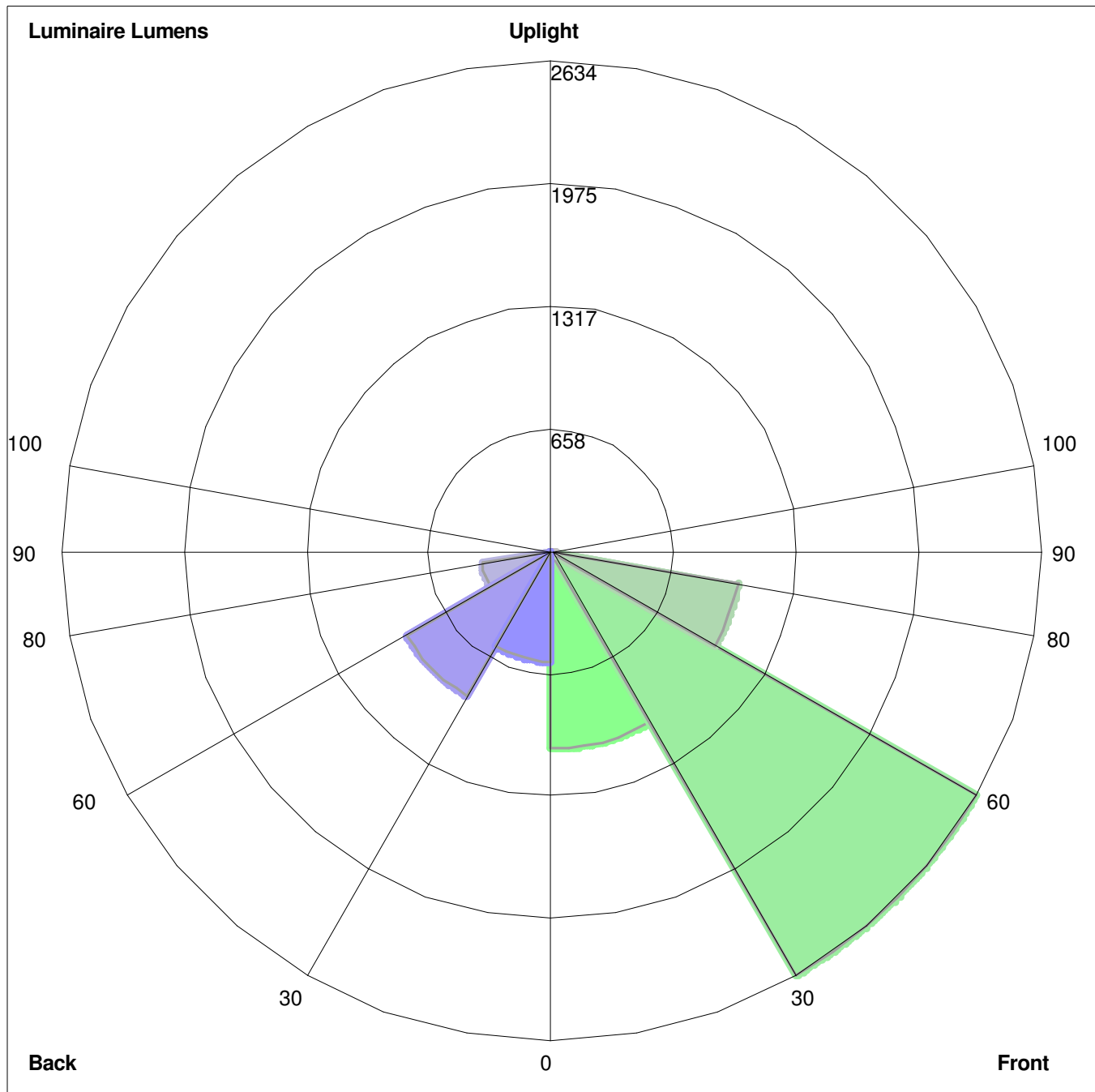


Maximum Candela = 3732.561 Located At Horizontal Angle = 60, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1062.4, Medium=2633.6, High= 1018.0, Very High=17.6
Back: Low=591.7, Medium=900.3, High=380.9, Very High=2.3
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1