



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-840-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-L85-840-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 | 8128 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 113 |
| Total Luminaire Watts | 72 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 4591.793 |
| Maximum Candela Angle | 60H 45V |
| Maximum Candela (<90 Degrees Vertical) | 4591.793 |
| 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 | 301.476 (3.7% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-840-T2-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 1306.9 | N.A. | 16.1 |
| FM - Front-Medium (30-60) | 3239.8 | N.A. | 39.9 |
| FH - Front-High (60-80) | 1252.4 | N.A. | 15.4 |
| FVH - Front-Very High (80-90) | 21.6 | N.A. | 0.3 |
| BL - Back-Low (0-30) | 727.9 | N.A. | 9.0 |
| BM - Back-Medium (30-60) | 1107.6 | N.A. | 13.6 |
| BH - Back-High (60-80) | 468.6 | N.A. | 5.8 |
| BVH - Back-Very High (80-90) | 2.8 | 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 | 8127.6 | N.A. | 100.0 |
| BUG Rating | B2-U0-G1 | | |

IES ROAD REPORT
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CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-------------------------|--------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 0.0 | 5.0 | 15.0 | 25.0 | 35.0 | 45.0 | 55.0 | 60.0 | 62.5 | 65.0 |
| 0.0 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 |
| 2.5 | 2443.407 | 2464.115 | 2450.265 | 2427.405 | 2426.330 | 2437.894 | 2417.993 | 2400.646 | 2387.872 | 2383.569 |
| 5.0 | 2548.023 | 2570.210 | 2552.191 | 2521.398 | 2512.254 | 2509.162 | 2471.780 | 2445.290 | 2427.002 | 2418.531 |
| 7.5 | 2672.540 | 2697.416 | 2672.540 | 2626.148 | 2598.179 | 2577.337 | 2521.936 | 2488.857 | 2464.922 | 2452.013 |
| 10.0 | 2911.757 | 2932.196 | 2894.276 | 2812.924 | 2733.857 | 2664.337 | 2569.403 | 2523.953 | 2493.563 | 2475.814 |
| 12.5 | 3151.243 | 3175.717 | 3127.039 | 3026.996 | 2922.918 | 2804.049 | 2629.644 | 2558.915 | 2518.709 | 2491.950 |
| 15.0 | 3416.144 | 3441.155 | 3378.897 | 3243.354 | 3100.818 | 2953.576 | 2726.999 | 2614.315 | 2556.898 | 2516.020 |
| 17.5 | 3680.507 | 3716.007 | 3639.495 | 3478.806 | 3296.737 | 3099.070 | 2839.414 | 2701.853 | 2623.459 | 2564.024 |
| 20.0 | 3928.331 | 3979.159 | 3889.470 | 3705.922 | 3487.143 | 3254.783 | 2943.760 | 2797.191 | 2710.863 | 2635.561 |
| 22.5 | 4096.953 | 4164.052 | 4075.438 | 3894.445 | 3664.506 | 3403.773 | 3054.830 | 2889.032 | 2798.267 | 2716.107 |
| 25.0 | 4131.645 | 4203.585 | 4136.217 | 4006.187 | 3804.217 | 3549.939 | 3181.499 | 3001.581 | 2901.134 | 2811.444 |
| 27.5 | 4000.136 | 4084.985 | 4061.722 | 3999.195 | 3890.545 | 3687.231 | 3317.580 | 3139.007 | 3031.299 | 2929.910 |
| 30.0 | 3802.469 | 3889.066 | 3864.593 | 3856.525 | 3876.292 | 3796.553 | 3471.545 | 3299.292 | 3181.230 | 3071.235 |
| 32.5 | 3659.261 | 3746.800 | 3700.946 | 3676.204 | 3796.015 | 3894.041 | 3666.657 | 3480.554 | 3360.206 | 3244.026 |
| 35.0 | 3536.089 | 3614.887 | 3558.545 | 3526.273 | 3683.734 | 3986.421 | 3900.496 | 3722.595 | 3574.816 | 3452.316 |
| 37.5 | 3312.739 | 3389.251 | 3387.503 | 3389.923 | 3603.054 | 4058.495 | 4171.986 | 4001.212 | 3848.726 | 3685.617 |
| 40.0 | 2859.853 | 2925.204 | 3038.560 | 3205.299 | 3532.055 | 4071.404 | 4400.580 | 4281.711 | 4132.721 | 3956.300 |
| 42.5 | 2237.134 | 2287.156 | 2506.741 | 2881.098 | 3390.327 | 3981.714 | 4505.734 | 4504.120 | 4382.561 | 4223.890 |
| 45.0 | 1657.714 | 1709.215 | 1942.247 | 2419.203 | 3109.962 | 3755.002 | 4466.066 | 4591.793 | 4512.591 | 4382.696 |
| 47.5 | 988.604 | 1061.082 | 1362.424 | 1906.748 | 2708.846 | 3499.783 | 4315.597 | 4477.495 | 4463.511 | 4392.243 |
| 50.0 | 637.241 | 671.799 | 868.256 | 1401.823 | 2304.637 | 3298.620 | 4157.463 | 4309.680 | 4333.077 | 4286.955 |
| 52.5 | 316.267 | 329.849 | 513.934 | 958.753 | 1909.303 | 3095.171 | 3906.681 | 4114.165 | 4180.323 | 4174.675 |
| 55.0 | 267.859 | 267.052 | 288.164 | 596.632 | 1519.213 | 2836.455 | 3564.193 | 3827.346 | 3919.321 | 3901.572 |
| 57.5 | 237.335 | 235.990 | 240.966 | 357.549 | 1142.973 | 2545.602 | 3362.492 | 3712.779 | 3794.401 | 3787.274 |
| 60.0 | 213.265 | 211.114 | 214.610 | 246.748 | 800.350 | 2278.416 | 3539.585 | 3916.363 | 4024.206 | 4062.932 |
| 62.5 | 196.188 | 192.961 | 193.633 | 207.887 | 556.426 | 1994.824 | 3672.977 | 4235.051 | 4441.055 | 4557.369 |
| 65.0 | 181.128 | 178.304 | 175.883 | 186.775 | 407.974 | 1626.652 | 3383.603 | 4157.060 | 4443.341 | 4580.901 |
| 67.5 | 164.588 | 163.243 | 160.420 | 170.370 | 327.159 | 1394.158 | 2855.550 | 3552.091 | 3734.160 | 3805.696 |
| 70.0 | 144.956 | 144.418 | 144.149 | 155.310 | 261.001 | 1127.644 | 2368.778 | 2949.677 | 3049.855 | 3018.793 |
| 72.5 | 122.365 | 122.231 | 123.710 | 141.460 | 215.955 | 930.649 | 1693.348 | 2005.043 | 2084.514 | 2074.832 |
| 75.0 | 96.682 | 97.623 | 100.716 | 128.954 | 176.556 | 675.699 | 961.039 | 1151.175 | 1258.480 | 1268.700 |
| 77.5 | 67.772 | 69.923 | 74.898 | 104.078 | 132.719 | 356.608 | 562.746 | 570.680 | 560.460 | 536.525 |
| 80.0 | 36.979 | 40.340 | 43.567 | 68.982 | 94.262 | 162.974 | 301.476 | 226.443 | 181.665 | 155.444 |
| 82.5 | 21.380 | 22.859 | 24.339 | 41.013 | 61.721 | 82.697 | 135.409 | 107.843 | 91.034 | 80.546 |
| 85.0 | 10.892 | 11.430 | 11.699 | 20.977 | 37.516 | 50.022 | 49.215 | 45.853 | 41.685 | 39.668 |
| 87.5 | 4.303 | 4.706 | 4.706 | 7.665 | 13.043 | 17.481 | 13.043 | 14.791 | 14.657 | 14.388 |
| 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 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 |
| 2.5 | 2370.391 | 2359.365 | 2365.685 | 2357.617 | 2344.708 | 2334.489 | 2323.866 | 2330.454 | 2335.430 | 2331.127 |
| 5.0 | 2399.167 | 2385.452 | 2386.796 | 2373.081 | 2356.676 | 2341.346 | 2325.883 | 2327.631 | 2328.303 | 2320.773 |
| 7.5 | 2429.019 | 2407.773 | 2405.756 | 2387.334 | 2365.416 | 2346.187 | 2324.672 | 2323.328 | 2319.025 | 2307.192 |
| 10.0 | 2446.634 | 2423.103 | 2417.320 | 2394.327 | 2367.567 | 2341.481 | 2318.083 | 2310.957 | 2302.216 | 2285.677 |
| 12.5 | 2458.064 | 2430.095 | 2418.800 | 2391.234 | 2361.785 | 2331.665 | 2303.158 | 2292.266 | 2280.029 | 2259.052 |
| 15.0 | 2468.149 | 2433.322 | 2419.069 | 2386.124 | 2353.045 | 2318.890 | 2284.870 | 2270.885 | 2253.674 | 2230.545 |
| 17.5 | 2496.118 | 2448.113 | 2423.775 | 2384.779 | 2347.935 | 2309.343 | 2272.634 | 2253.405 | 2232.293 | 2205.938 |
| 20.0 | 2543.854 | 2476.889 | 2436.011 | 2389.082 | 2344.708 | 2301.544 | 2259.590 | 2238.613 | 2214.947 | 2184.557 |
| 22.5 | 2609.878 | 2520.457 | 2458.602 | 2397.688 | 2346.187 | 2295.627 | 2249.909 | 2225.032 | 2197.870 | 2164.925 |
| 25.0 | 2696.744 | 2593.204 | 2505.397 | 2423.775 | 2360.306 | 2300.737 | 2248.429 | 2221.401 | 2189.398 | 2154.168 |
| 27.5 | 2802.973 | 2691.365 | 2583.253 | 2473.662 | 2391.637 | 2321.849 | 2261.069 | 2229.469 | 2195.046 | 2155.512 |
| 30.0 | 2931.120 | 2809.158 | 2685.986 | 2550.040 | 2444.079 | 2358.020 | 2288.366 | 2251.657 | 2213.333 | 2170.976 |
| 32.5 | 3091.674 | 2959.090 | 2818.840 | 2662.186 | 2529.197 | 2417.858 | 2334.220 | 2292.266 | 2249.236 | 2202.979 |
| 35.0 | 3284.770 | 3135.914 | 2978.856 | 2801.897 | 2643.629 | 2498.673 | 2398.898 | 2348.339 | 2298.451 | 2248.295 |
| 37.5 | 3494.135 | 3325.110 | 3149.630 | 2950.080 | 2766.936 | 2583.791 | 2460.216 | 2395.133 | 2338.388 | 2283.794 |
| 40.0 | 3714.796 | 3517.533 | 3307.764 | 3084.817 | 2877.871 | 2665.144 | 2507.010 | 2422.565 | 2358.558 | 2298.855 |
| 42.5 | 3964.637 | 3719.906 | 3468.721 | 3213.905 | 2978.453 | 2742.328 | 2554.477 | 2447.979 | 2373.887 | 2312.032 |
| 45.0 | 4174.003 | 3902.916 | 3611.391 | 3330.085 | 3075.673 | 2822.740 | 2617.005 | 2488.857 | 2404.680 | 2337.716 |
| 47.5 | 4234.513 | 4009.011 | 3699.736 | 3390.058 | 3141.831 | 2899.117 | 2689.886 | 2549.367 | 2459.678 | 2390.292 |
| 50.0 | 4194.979 | 4013.852 | 3699.467 | 3391.537 | 3152.185 | 2941.340 | 2761.691 | 2626.148 | 2550.309 | 2491.546 |
| 52.5 | 4084.447 | 3880.326 | 3545.502 | 3306.419 | 3141.024 | 3001.043 | 2900.462 | 2826.505 | 2798.132 | 2770.432 |
| 55.0 | 3801.662 | 3627.393 | 3419.775 | 3284.232 | 3237.572 | 3194.542 | 3174.237 | 3156.757 | 3155.412 | 3131.746 |
| 57.5 | 3701.484 | 3630.082 | 3570.782 | 3524.256 | 3514.037 | 3503.951 | 3496.018 | 3460.250 | 3411.841 | 3341.380 |
| 60.0 | 4028.509 | 4038.863 | 4013.314 | 3941.777 | 3863.383 | 3811.613 | 3709.418 | 3601.575 | 3504.086 | 3396.109 |
| 62.5 | 4578.884 | 4584.935 | 4497.397 | 4314.790 | 4110.131 | 3926.717 | 3766.835 | 3599.558 | 3407.269 | 3224.125 |
| 65.0 | 4575.522 | 4483.143 | 4304.301 | 4087.809 | 3843.078 | 3650.521 | 3495.749 | 3348.507 | 3150.302 | 2967.964 |
| 67.5 | 3804.486 | 3691.937 | 3526.676 | 3358.727 | 3178.003 | 2998.220 | 2862.945 | 2754.430 | 2617.542 | 2496.118 |
| 70.0 | 2943.760 | 2814.672 | 2665.278 | 2514.675 | 2377.518 | 2217.367 | 2085.724 | 1991.462 | 1873.938 | 1780.348 |
| 72.5 | 2003.968 | 1886.712 | 1767.439 | 1665.917 | 1567.486 | 1460.854 | 1364.037 | 1300.434 | 1211.551 | 1152.520 |
| 75.0 | 1218.544 | 1120.786 | 1027.062 | 948.533 | 867.449 | 765.926 | 662.655 | 611.289 | 557.098 | 526.978 |
| 77.5 | 489.596 | 407.705 | 334.151 | 259.791 | 200.491 | 162.840 | 137.829 | 129.089 | 120.617 | 116.583 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 80.0 | 136.888 | 125.458 | 117.928 | 107.977 | 98.027 | 88.076 | 79.201 | 73.957 | 69.520 | 66.830 |
| 82.5 | 76.781 | 72.478 | 66.965 | 62.258 | 56.611 | 49.618 | 43.971 | 40.609 | 38.458 | 36.979 |
| 85.0 | 38.054 | 35.903 | 33.617 | 31.600 | 28.373 | 24.473 | 20.977 | 18.960 | 17.481 | 16.539 |
| 87.5 | 13.985 | 13.581 | 13.312 | 12.102 | 10.623 | 8.875 | 7.530 | 6.723 | 6.051 | 5.648 |
| 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 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 |
| 2.5 | 2326.420 | 2314.318 | 2299.258 | 2302.485 | 2303.023 | 2308.805 | 2308.536 | 2296.434 | 2301.410 | 2307.730 |
| 5.0 | 2313.512 | 2295.896 | 2278.012 | 2277.474 | 2278.147 | 2280.433 | 2278.147 | 2264.834 | 2270.482 | 2276.399 |
| 7.5 | 2296.031 | 2275.188 | 2256.363 | 2255.287 | 2251.119 | 2252.732 | 2251.388 | 2236.731 | 2240.899 | 2243.723 |
| 10.0 | 2273.440 | 2250.043 | 2229.738 | 2224.898 | 2222.343 | 2222.208 | 2220.326 | 2203.786 | 2205.131 | 2206.744 |
| 12.5 | 2242.513 | 2219.250 | 2197.197 | 2191.819 | 2185.902 | 2185.499 | 2180.927 | 2161.295 | 2159.009 | 2154.168 |
| 15.0 | 2211.989 | 2187.112 | 2163.849 | 2156.185 | 2149.327 | 2146.234 | 2135.208 | 2114.096 | 2106.970 | 2094.330 |
| 17.5 | 2184.826 | 2158.740 | 2134.804 | 2124.854 | 2115.172 | 2108.852 | 2091.909 | 2065.823 | 2052.510 | 2032.609 |
| 20.0 | 2159.950 | 2132.115 | 2107.104 | 2095.271 | 2080.749 | 2069.857 | 2047.401 | 2015.397 | 1994.017 | 1967.527 |
| 22.5 | 2138.570 | 2109.256 | 2081.824 | 2065.419 | 2045.115 | 2029.382 | 1999.261 | 1962.417 | 1935.927 | 1908.092 |
| 25.0 | 2126.199 | 2093.657 | 2062.058 | 2039.736 | 2014.725 | 1991.059 | 1953.408 | 1914.009 | 1885.905 | 1857.667 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-840-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 27.5 | 2125.930 | 2089.086 | 2053.855 | 2023.600 | 1991.462 | 1962.014 | 1917.640 | 1875.013 | 1843.279 | 1820.151 |
| 30.0 | 2138.166 | 2097.557 | 2056.948 | 2019.969 | 1981.781 | 1943.861 | 1892.898 | 1848.927 | 1817.461 | 1790.299 |
| 32.5 | 2167.614 | 2121.089 | 2076.580 | 2032.475 | 1986.352 | 1941.709 | 1885.098 | 1841.397 | 1803.073 | 1766.767 |
| 35.0 | 2209.299 | 2157.395 | 2108.045 | 2056.007 | 2001.413 | 1951.391 | 1893.301 | 1845.162 | 1797.426 | 1751.034 |
| 37.5 | 2241.975 | 2186.574 | 2132.115 | 2075.773 | 2016.339 | 1963.493 | 1901.369 | 1848.120 | 1791.509 | 1734.764 |
| 40.0 | 2256.363 | 2195.853 | 2137.897 | 2075.773 | 2015.128 | 1960.131 | 1894.511 | 1835.211 | 1771.070 | 1705.719 |
| 42.5 | 2264.565 | 2198.811 | 2135.477 | 2068.646 | 2005.581 | 1949.239 | 1876.224 | 1811.276 | 1744.715 | 1666.454 |
| 45.0 | 2288.501 | 2217.367 | 2147.310 | 2074.429 | 2007.195 | 1946.416 | 1864.659 | 1793.392 | 1718.628 | 1623.022 |
| 47.5 | 2336.102 | 2260.263 | 2182.944 | 2098.095 | 2026.424 | 1957.845 | 1867.887 | 1789.358 | 1698.861 | 1579.051 |
| 50.0 | 2447.979 | 2381.014 | 2311.091 | 2229.201 | 2156.723 | 2090.296 | 1988.235 | 1890.343 | 1780.617 | 1628.804 |
| 52.5 | 2749.320 | 2698.223 | 2638.519 | 2552.460 | 2465.729 | 2399.571 | 2278.685 | 2164.118 | 2021.717 | 1812.755 |
| 55.0 | 3100.280 | 3030.492 | 2944.971 | 2848.961 | 2753.354 | 2668.640 | 2522.743 | 2376.711 | 2168.690 | 1845.162 |
| 57.5 | 3278.584 | 3185.398 | 3086.430 | 2976.032 | 2860.525 | 2740.983 | 2554.208 | 2324.941 | 2018.221 | 1634.586 |
| 60.0 | 3276.567 | 3137.528 | 3005.750 | 2857.970 | 2724.175 | 2558.915 | 2338.657 | 2089.623 | 1776.314 | 1388.645 |
| 62.5 | 3044.880 | 2858.508 | 2718.258 | 2592.128 | 2484.285 | 2349.549 | 2162.774 | 1926.514 | 1606.348 | 1210.744 |
| 65.0 | 2804.452 | 2631.258 | 2507.548 | 2408.446 | 2320.907 | 2208.493 | 2046.325 | 1812.889 | 1476.721 | 1094.027 |
| 67.5 | 2410.194 | 2272.230 | 2173.397 | 2111.811 | 2071.605 | 2000.471 | 1884.292 | 1664.841 | 1353.414 | 1012.002 |
| 70.0 | 1735.436 | 1643.595 | 1580.799 | 1556.191 | 1570.579 | 1536.693 | 1503.480 | 1357.045 | 1111.776 | 841.766 |
| 72.5 | 1119.172 | 1057.855 | 1013.077 | 991.697 | 1007.699 | 995.731 | 1007.430 | 910.479 | 738.898 | 543.652 |
| 75.0 | 521.330 | 485.158 | 466.602 | 472.250 | 507.749 | 500.353 | 512.186 | 448.180 | 318.284 | 208.424 |
| 77.5 | 116.987 | 111.205 | 108.784 | 110.129 | 116.987 | 120.079 | 137.560 | 129.627 | 99.371 | 72.881 |
| 80.0 | 66.292 | 64.410 | 63.872 | 62.527 | 61.855 | 57.552 | 49.484 | 37.382 | 28.373 | 21.649 |
| 82.5 | 36.844 | 36.710 | 36.575 | 36.037 | 34.693 | 27.700 | 17.481 | 12.505 | 8.471 | 5.782 |
| 85.0 | 17.077 | 17.077 | 16.943 | 16.405 | 13.716 | 8.740 | 5.917 | 4.168 | 2.958 | 2.017 |
| 87.5 | 5.917 | 5.648 | 5.379 | 4.572 | 3.227 | 2.420 | 1.883 | 1.614 | 1.345 | 1.210 |
| 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-L85-840-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

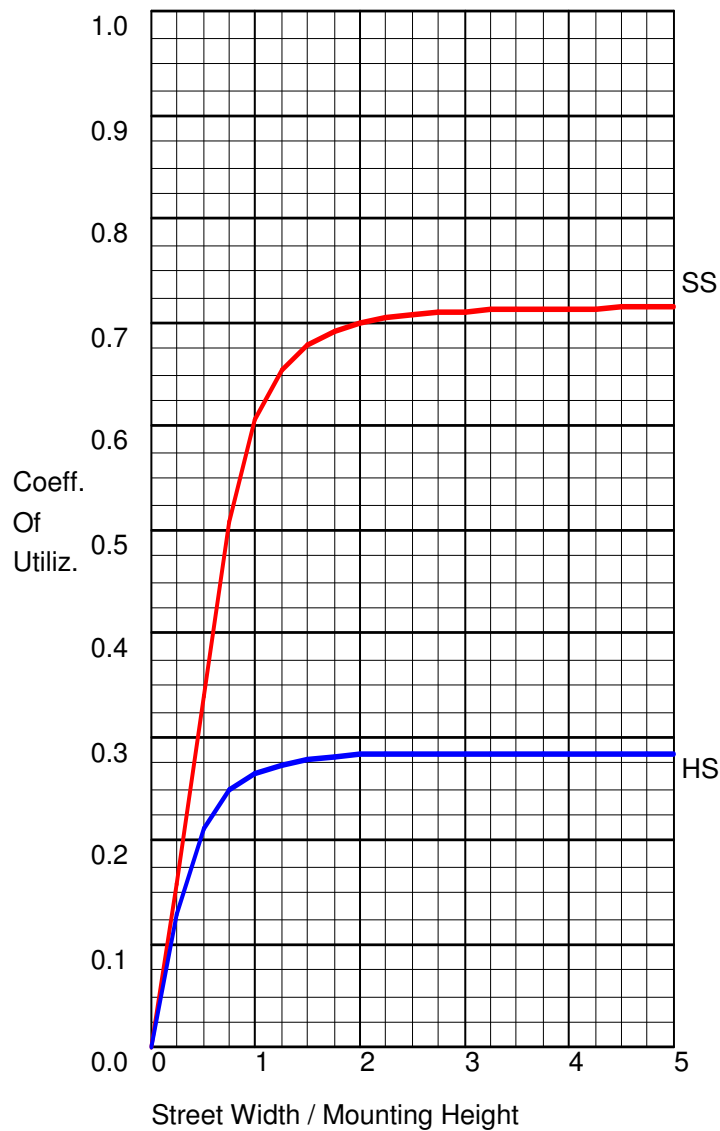
| | <u>117.5</u> | <u>120.0</u> | <u>125.0</u> | <u>135.0</u> | <u>145.0</u> | <u>155.0</u> | <u>165.0</u> | <u>175.0</u> | <u>180.0</u> |
|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 | 2350.894 |
| 2.5 | 2305.175 | 2310.688 | 2316.873 | 2316.604 | 2294.148 | 2286.349 | 2302.082 | 2314.587 | 2291.190 |
| 5.0 | 2272.902 | 2274.785 | 2279.088 | 2276.533 | 2247.354 | 2230.411 | 2239.555 | 2247.757 | 2229.469 |
| 7.5 | 2240.765 | 2241.034 | 2239.017 | 2223.418 | 2178.775 | 2146.772 | 2142.066 | 2142.335 | 2126.064 |
| 10.0 | 2198.273 | 2193.298 | 2184.423 | 2146.503 | 2082.900 | 2038.660 | 2033.685 | 2037.584 | 2022.390 |
| 12.5 | 2142.469 | 2132.384 | 2109.121 | 2048.207 | 1987.563 | 1970.754 | 1998.589 | 2020.642 | 2008.943 |
| 15.0 | 2078.328 | 2060.713 | 2024.138 | 1966.855 | 1950.450 | 1955.559 | 1954.753 | 1951.660 | 1941.440 |
| 17.5 | 2010.422 | 1988.100 | 1949.105 | 1930.817 | 1918.984 | 1864.256 | 1822.975 | 1800.384 | 1792.316 |
| 20.0 | 1943.995 | 1921.539 | 1897.469 | 1896.797 | 1820.823 | 1713.787 | 1628.535 | 1559.284 | 1554.712 |
| 22.5 | 1885.233 | 1870.710 | 1860.625 | 1817.999 | 1675.867 | 1469.191 | 1166.236 | 946.919 | 940.331 |
| 25.0 | 1840.052 | 1830.505 | 1814.503 | 1701.685 | 1453.593 | 965.879 | 682.422 | 578.344 | 576.327 |
| 27.5 | 1802.670 | 1788.147 | 1750.228 | 1551.350 | 1065.923 | 602.145 | 436.212 | 378.795 | 377.181 |
| 30.0 | 1765.557 | 1743.101 | 1669.547 | 1320.604 | 681.212 | 404.881 | 326.352 | 310.620 | 311.964 |
| 32.5 | 1731.806 | 1695.231 | 1576.630 | 1025.986 | 467.812 | 316.805 | 293.946 | 288.298 | 290.315 |
| 35.0 | 1703.971 | 1645.074 | 1462.198 | 728.813 | 350.153 | 287.088 | 277.137 | 273.776 | 275.255 |
| 37.5 | 1672.371 | 1590.749 | 1316.570 | 512.590 | 297.845 | 270.548 | 264.228 | 262.480 | 262.480 |
| 40.0 | 1626.518 | 1515.985 | 1156.016 | 395.334 | 271.893 | 257.102 | 253.740 | 251.992 | 250.647 |
| 42.5 | 1567.352 | 1416.480 | 997.210 | 327.966 | 254.547 | 245.941 | 243.924 | 241.772 | 238.814 |
| 45.0 | 1497.026 | 1308.368 | 842.035 | 288.164 | 242.041 | 237.469 | 234.780 | 231.553 | 228.326 |
| 47.5 | 1420.379 | 1205.500 | 702.189 | 262.077 | 231.418 | 228.595 | 225.098 | 221.468 | 217.972 |
| 50.0 | 1432.481 | 1183.044 | 653.377 | 249.303 | 221.737 | 217.434 | 212.862 | 210.038 | 206.811 |
| 52.5 | 1565.873 | 1256.060 | 629.173 | 238.276 | 214.476 | 203.987 | 201.432 | 200.491 | 197.936 |
| 55.0 | 1494.471 | 1117.559 | 502.236 | 227.384 | 205.870 | 193.230 | 190.944 | 193.230 | 191.347 |
| 57.5 | 1274.885 | 922.177 | 407.167 | 214.744 | 193.902 | 182.876 | 180.993 | 185.431 | 184.220 |
| 60.0 | 1061.620 | 759.875 | 341.682 | 197.398 | 179.514 | 171.177 | 169.160 | 175.883 | 176.421 |
| 62.5 | 913.706 | 653.108 | 298.518 | 175.749 | 160.554 | 154.234 | 143.477 | 149.124 | 151.814 |
| 65.0 | 816.486 | 573.369 | 258.446 | 151.276 | 136.081 | 110.532 | 88.883 | 77.722 | 80.277 |
| 67.5 | 759.472 | 526.036 | 227.519 | 123.441 | 92.514 | 53.921 | 31.734 | 19.767 | 22.725 |
| 70.0 | 652.839 | 478.838 | 203.853 | 81.084 | 40.340 | 12.909 | 3.900 | 3.227 | 3.093 |
| 72.5 | 412.143 | 299.324 | 133.930 | 40.206 | 7.799 | 2.689 | 2.420 | 2.420 | 2.420 |
| 75.0 | 166.471 | 117.525 | 63.603 | 6.723 | 2.286 | 1.614 | 1.210 | 1.076 | 1.210 |
| 77.5 | 56.073 | 43.030 | 14.388 | 2.017 | 1.210 | 0.672 | 0.403 | 0.403 | 0.403 |
| 80.0 | 15.195 | 8.203 | 2.420 | 1.076 | 0.538 | 0.269 | 0.269 | 0.269 | 0.269 |
| 82.5 | 3.900 | 2.420 | 1.210 | 0.538 | 0.403 | 0.269 | 0.269 | 0.269 | 0.269 |
| 85.0 | 1.479 | 1.210 | 0.807 | 0.403 | 0.269 | 0.269 | 0.134 | 0.269 | 0.269 |
| 87.5 | 0.941 | 0.807 | 0.672 | 0.403 | 0.269 | 0.269 | 0.134 | 0.269 | 0.269 |
| 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-L85-840-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 |

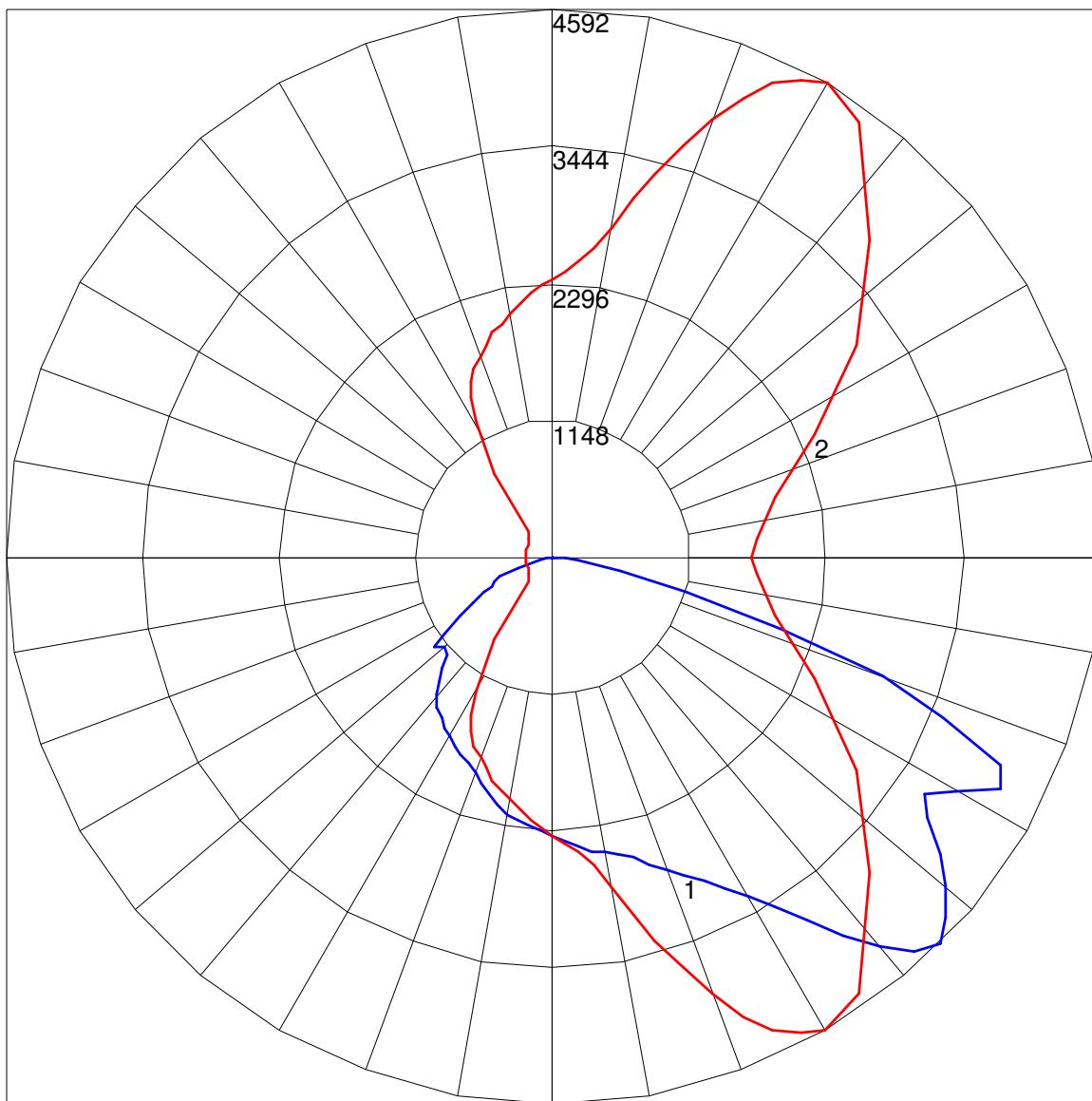
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

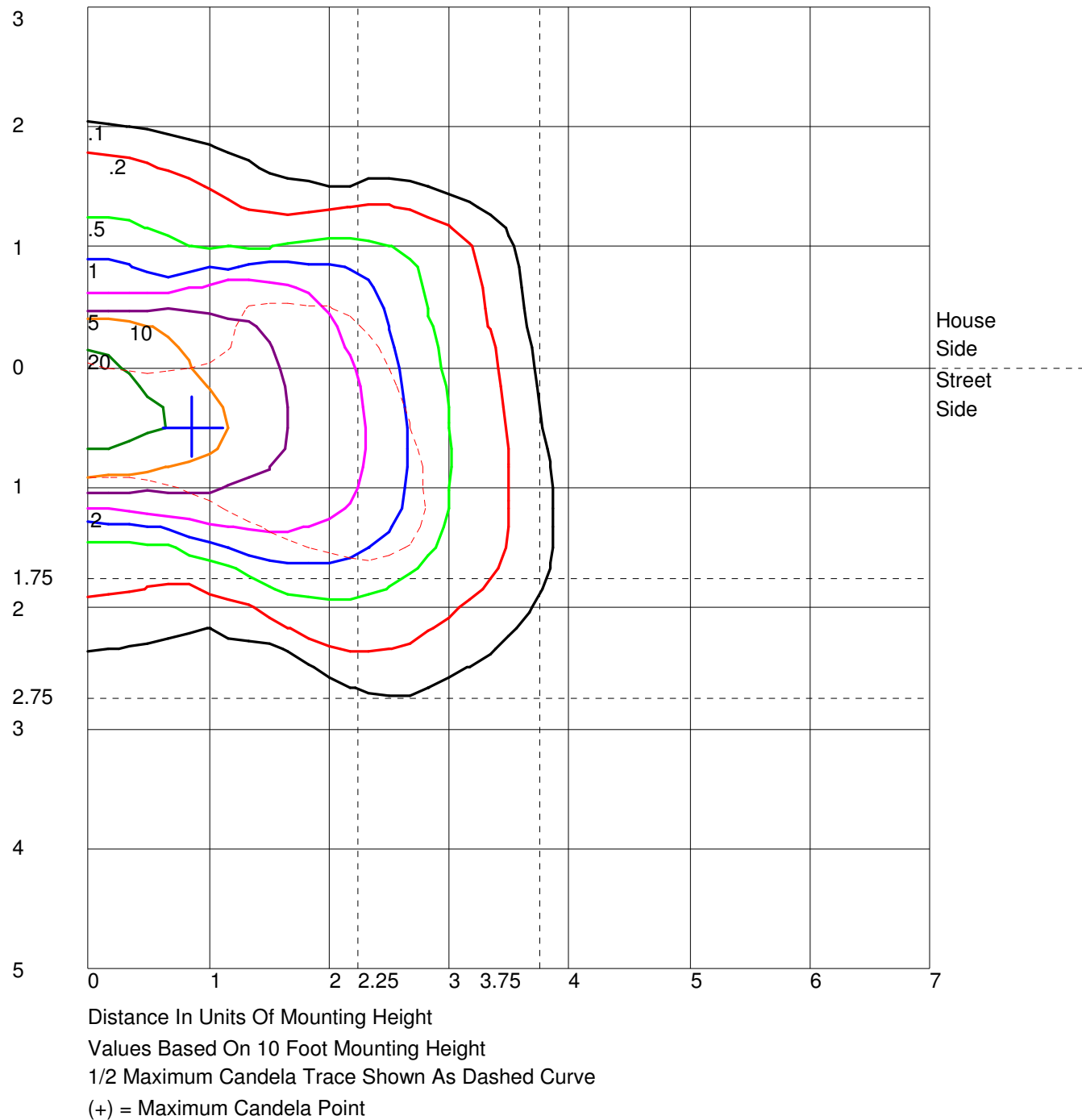
| | Lumens | Percent Of Luminaire |
|----------------------|--------|----------------------|
| Downward Street Side | 5820.8 | 71.6 |
| Downward House Side | 2306.9 | 28.4 |
| Downward Total | 8127.7 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 8127.7 | 100.0 |

POLAR GRAPH

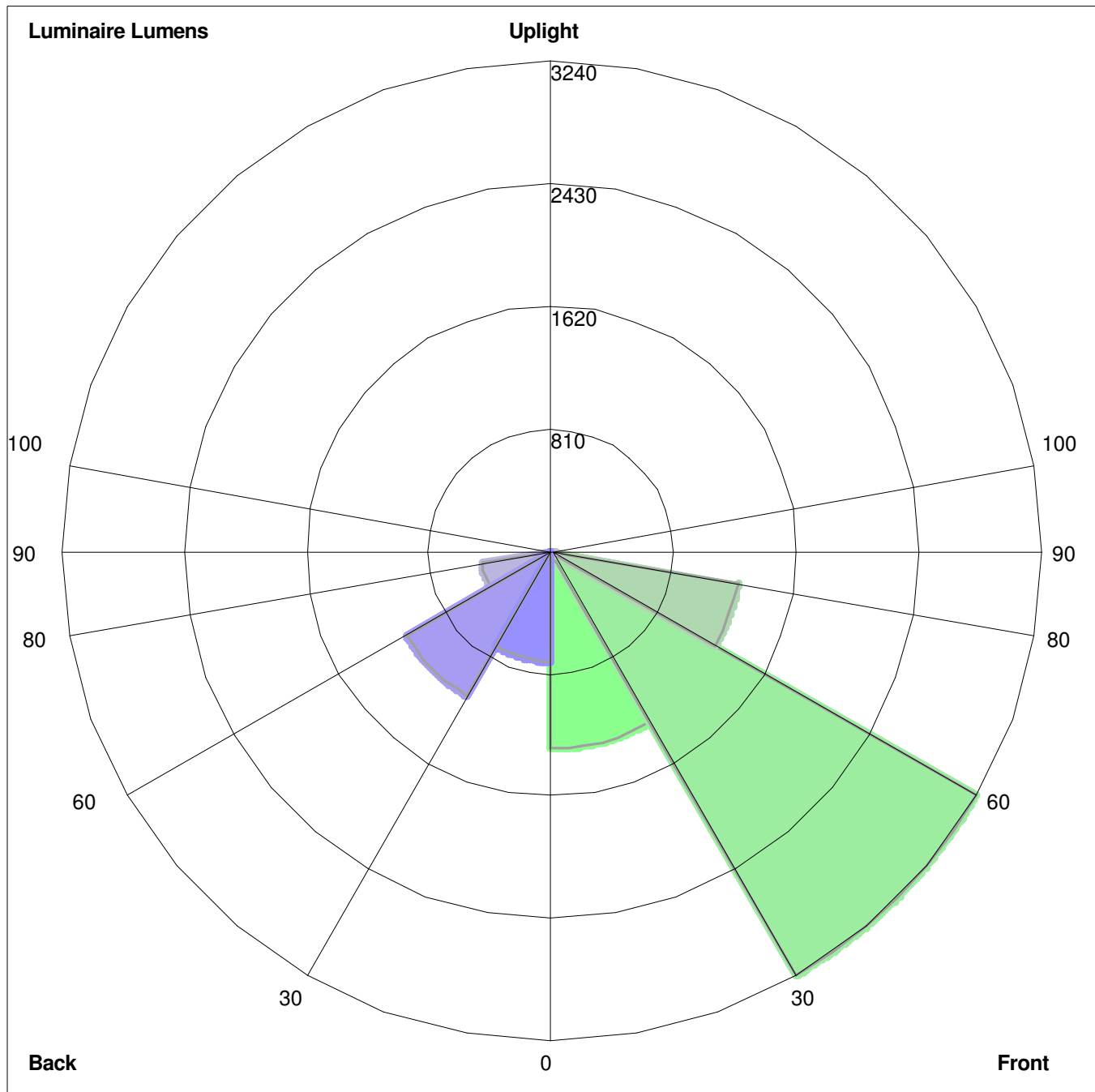


Maximum Candela = 4591.793 Located At Horizontal Angle = 60, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1306.9, Medium=3239.8, High=1252.4, Very High=21.6
Back: Low=727.9, Medium=1107.6, High=468.6, Very High=2.8
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1