



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MSTG-14-L75-840-CS-SSYM-ASY-DIM-120_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from 12168168.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 18 FEB 2020
[MANUFAC] H E Williams Inc
[LUMCAT] MSTG-14-L75/840-CS-SSYM/ASY-DIM-120
[LUMINAIRE] White formed steel housing, frosted patterned plastic lens
[MORE] enclosure
[LAMP] 84 white LEDs
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 7156 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 108 |
| Total Luminaire Watts | 66 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.44 |
| Spacing Criterion (90-270) | 1.20 |
| Spacing Criterion (Diagonal) | 1.26 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 0.58 ft |
| Luminous Width (90-270) | 3.58 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 17216 | 15829 | 12786 |
| 55 | 14611 | 13468 | 10931 |
| 65 | 11298 | 10412 | 8785 |
| 75 | 7820 | 6986 | 6169 |
| 85 | 3760 | 3180 | 2676 |

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CANDELA TABULATION

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> |
|------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| 0.0 | 3160.507 | 3160.507 | 3160.507 | 3160.507 | 3160.507 | 3160.507 | 3160.507 | 3160.507 | 3160.507 |
| 0.5 | 3178.550 | 3180.555 | 3169.529 | 3167.524 | 3158.502 | 3153.491 | 3144.469 | 3148.479 | 3142.464 |
| 1.0 | 3195.591 | 3196.593 | 3181.557 | 3173.538 | 3157.500 | 3146.474 | 3131.438 | 3132.441 | 3124.421 |
| 1.5 | 3211.629 | 3210.626 | 3192.583 | 3179.552 | 3156.498 | 3138.455 | 3117.405 | 3115.400 | 3105.376 |
| 2.0 | 3228.669 | 3225.662 | 3203.610 | 3185.567 | 3155.495 | 3131.438 | 3103.371 | 3098.360 | 3085.329 |
| 2.5 | 3244.707 | 3238.693 | 3213.633 | 3190.579 | 3153.491 | 3122.417 | 3089.338 | 3079.314 | 3065.281 |
| 3.0 | 3259.743 | 3252.726 | 3223.657 | 3194.588 | 3152.488 | 3114.398 | 3074.302 | 3061.271 | 3044.231 |
| 3.5 | 3275.781 | 3264.755 | 3233.681 | 3199.600 | 3149.481 | 3104.374 | 3059.267 | 3042.226 | 3022.179 |
| 4.0 | 3290.817 | 3276.783 | 3242.702 | 3203.610 | 3147.476 | 3095.352 | 3044.231 | 3022.179 | 2999.124 |
| 4.5 | 3305.852 | 3289.814 | 3251.724 | 3206.617 | 3144.469 | 3085.329 | 3028.193 | 3003.133 | 2977.071 |
| 5.0 | 3318.883 | 3300.841 | 3259.743 | 3210.626 | 3141.462 | 3076.307 | 3012.155 | 2982.083 | 2954.017 |
| 5.5 | 3331.914 | 3311.867 | 3267.762 | 3212.631 | 3137.452 | 3065.281 | 2995.114 | 2961.033 | 2928.957 |
| 6.0 | 3344.945 | 3322.893 | 3274.779 | 3214.636 | 3133.443 | 3054.255 | 2978.074 | 2939.983 | 2904.900 |
| 6.5 | 3356.974 | 3331.914 | 3281.795 | 3216.641 | 3128.431 | 3043.229 | 2961.033 | 2917.931 | 2880.843 |
| 7.0 | 3368.000 | 3341.938 | 3288.812 | 3217.643 | 3124.421 | 3032.202 | 2942.991 | 2895.879 | 2854.781 |
| 7.5 | 3379.026 | 3350.960 | 3294.826 | 3218.645 | 3119.410 | 3020.174 | 2924.948 | 2872.824 | 2829.721 |
| 8.0 | 3390.052 | 3359.981 | 3300.841 | 3218.645 | 3113.395 | 3008.145 | 2906.905 | 2849.769 | 2804.662 |
| 8.5 | 3399.074 | 3368.000 | 3304.850 | 3219.648 | 3107.381 | 2995.114 | 2887.860 | 2826.714 | 2778.600 |
| 9.0 | 3409.098 | 3376.019 | 3309.862 | 3218.645 | 3101.367 | 2983.086 | 2868.814 | 2802.657 | 2752.538 |
| 9.5 | 3418.119 | 3382.033 | 3313.871 | 3218.645 | 3094.350 | 2970.055 | 2849.769 | 2778.600 | 2727.479 |
| 10.0 | 3426.138 | 3388.048 | 3316.879 | 3216.641 | 3087.333 | 2956.021 | 2829.721 | 2753.541 | 2700.414 |
| 10.5 | 3433.155 | 3394.062 | 3319.886 | 3215.638 | 3080.317 | 2941.988 | 2809.674 | 2729.483 | 2674.352 |
| 11.0 | 3441.174 | 3399.074 | 3321.891 | 3212.631 | 3073.300 | 2928.957 | 2789.626 | 2705.426 | 2647.288 |
| 11.5 | 3447.188 | 3403.083 | 3323.895 | 3210.626 | 3064.279 | 2913.921 | 2768.576 | 2680.367 | 2619.221 |
| 12.0 | 3453.202 | 3406.091 | 3324.898 | 3207.619 | 3056.260 | 2898.886 | 2747.526 | 2654.305 | 2592.157 |
| 12.5 | 3458.214 | 3410.100 | 3325.900 | 3203.610 | 3047.238 | 2883.850 | 2726.476 | 2629.245 | 2564.091 |
| 13.0 | 3462.224 | 3412.105 | 3325.900 | 3199.600 | 3038.217 | 2868.814 | 2704.424 | 2603.183 | 2536.024 |
| 13.5 | 3467.236 | 3414.110 | 3324.898 | 3195.591 | 3029.195 | 2852.776 | 2682.371 | 2577.121 | 2507.957 |
| 14.0 | 3470.243 | 3415.112 | 3323.895 | 3190.579 | 3019.171 | 2836.738 | 2660.319 | 2551.060 | 2478.888 |
| 14.5 | 3472.248 | 3415.112 | 3321.891 | 3185.567 | 3009.148 | 2819.698 | 2638.267 | 2522.993 | 2449.819 |
| 15.0 | 3474.252 | 3415.112 | 3318.883 | 3178.550 | 2998.121 | 2802.657 | 2614.210 | 2496.931 | 2420.750 |
| 15.5 | 3475.255 | 3414.110 | 3316.879 | 3173.538 | 2987.095 | 2785.617 | 2591.155 | 2468.864 | 2391.681 |
| 16.0 | 3475.255 | 3412.105 | 3312.869 | 3166.521 | 2975.067 | 2768.576 | 2568.100 | 2441.800 | 2362.612 |
| 16.5 | 3475.255 | 3410.100 | 3308.860 | 3159.505 | 2964.041 | 2750.533 | 2544.043 | 2412.731 | 2332.541 |
| 17.0 | 3473.250 | 3408.095 | 3303.848 | 3151.486 | 2951.010 | 2732.491 | 2519.986 | 2384.664 | 2303.471 |
| 17.5 | 3471.245 | 3405.088 | 3298.836 | 3143.467 | 2938.981 | 2713.445 | 2495.929 | 2356.598 | 2272.398 |
| 18.0 | 3469.241 | 3400.076 | 3292.821 | 3135.448 | 2925.950 | 2694.400 | 2470.869 | 2328.531 | 2244.331 |
| 18.5 | 3466.233 | 3396.067 | 3286.807 | 3126.426 | 2912.919 | 2675.355 | 2446.812 | 2299.462 | 2214.260 |
| 19.0 | 3462.224 | 3391.055 | 3280.793 | 3117.405 | 2899.888 | 2655.307 | 2421.752 | 2270.393 | 2184.188 |
| 19.5 | 3458.214 | 3385.041 | 3272.774 | 3107.381 | 2885.855 | 2634.257 | 2396.693 | 2242.326 | 2155.119 |
| 20.0 | 3453.202 | 3378.024 | 3264.755 | 3097.357 | 2870.819 | 2614.210 | 2371.633 | 2213.257 | 2125.048 |
| 20.5 | 3447.188 | 3371.007 | 3256.736 | 3086.331 | 2856.786 | 2594.162 | 2346.574 | 2185.191 | 2094.976 |
| 21.0 | 3441.174 | 3363.991 | 3247.714 | 3075.305 | 2840.748 | 2573.112 | 2321.514 | 2157.124 | 2065.907 |
| 21.5 | 3436.162 | 3354.969 | 3237.691 | 3063.276 | 2825.712 | 2552.062 | 2295.452 | 2129.057 | 2036.838 |
| 22.0 | 3429.145 | 3345.948 | 3227.667 | 3051.248 | 2809.674 | 2531.012 | 2269.391 | 2100.991 | 2006.767 |
| 22.5 | 3421.126 | 3335.924 | 3217.643 | 3039.219 | 2793.636 | 2510.964 | 2244.331 | 2072.924 | 1977.698 |
| 23.0 | 3412.105 | 3325.900 | 3206.617 | 3026.188 | 2776.595 | 2488.912 | 2218.269 | 2044.857 | 1948.629 |
| 23.5 | 3403.083 | 3314.874 | 3195.591 | 3012.155 | 2759.555 | 2466.860 | 2192.207 | 2017.793 | 1920.562 |
| 24.0 | 3392.057 | 3302.845 | 3183.562 | 2998.121 | 2741.512 | 2444.807 | 2167.148 | 1990.729 | 1892.495 |
| 24.5 | 3382.033 | 3289.814 | 3170.531 | 2983.086 | 2724.471 | 2422.755 | 2142.088 | 1963.664 | 1864.429 |
| 25.0 | 3369.002 | 3276.783 | 3156.498 | 2968.050 | 2705.426 | 2400.702 | 2116.026 | 1936.600 | 1837.364 |
| 25.5 | 3355.971 | 3263.752 | 3143.467 | 2952.012 | 2687.383 | 2377.648 | 2089.964 | 1909.536 | 1811.302 |
| 26.0 | 3341.938 | 3249.719 | 3129.433 | 2936.976 | 2668.338 | 2355.595 | 2063.902 | 1883.474 | 1785.241 |
| 26.5 | 3327.905 | 3234.683 | 3114.398 | 2919.936 | 2648.291 | 2332.541 | 2038.843 | 1857.412 | 1760.181 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 27.0 | 3312.869 | 3218.645 | 3098.360 | 2902.895 | 2629.245 | 2309.486 | 2011.779 | 1830.348 | 1735.121 |
| 27.5 | 3295.829 | 3202.607 | 3082.321 | 2885.855 | 2609.198 | 2286.431 | 1986.719 | 1804.286 | 1711.064 |
| 28.0 | 3279.791 | 3187.571 | 3065.281 | 2867.812 | 2589.150 | 2264.379 | 1960.657 | 1779.226 | 1686.005 |
| 28.5 | 3261.748 | 3169.529 | 3048.241 | 2849.769 | 2569.102 | 2240.321 | 1935.598 | 1753.164 | 1662.950 |
| 29.0 | 3244.707 | 3151.486 | 3029.195 | 2830.724 | 2548.052 | 2217.267 | 1910.538 | 1728.105 | 1638.893 |
| 29.5 | 3226.664 | 3133.443 | 3011.152 | 2810.676 | 2527.002 | 2192.207 | 1885.479 | 1704.048 | 1615.838 |
| 30.0 | 3207.619 | 3114.398 | 2991.105 | 2791.631 | 2504.950 | 2169.152 | 1860.419 | 1678.988 | 1592.783 |
| 30.5 | 3189.576 | 3094.350 | 2971.057 | 2771.583 | 2482.898 | 2145.095 | 1835.360 | 1655.933 | 1570.731 |
| 31.0 | 3170.531 | 3074.302 | 2950.007 | 2750.533 | 2461.848 | 2121.038 | 1811.302 | 1630.874 | 1547.676 |
| 31.5 | 3149.481 | 3053.252 | 2928.957 | 2729.483 | 2439.795 | 2096.981 | 1786.243 | 1607.819 | 1525.624 |
| 32.0 | 3129.433 | 3031.200 | 2906.905 | 2708.433 | 2415.738 | 2071.921 | 1761.183 | 1583.762 | 1504.574 |
| 32.5 | 3108.383 | 3008.145 | 2884.852 | 2686.381 | 2393.686 | 2047.864 | 1737.126 | 1560.707 | 1481.519 |
| 33.0 | 3086.331 | 2986.093 | 2862.800 | 2663.326 | 2370.631 | 2022.805 | 1712.067 | 1538.655 | 1460.469 |
| 33.5 | 3063.276 | 2962.036 | 2839.745 | 2640.271 | 2346.574 | 1998.748 | 1688.010 | 1515.600 | 1438.417 |
| 34.0 | 3039.219 | 2937.979 | 2815.688 | 2617.217 | 2323.519 | 1973.688 | 1662.950 | 1493.548 | 1417.367 |
| 34.5 | 3015.162 | 2912.919 | 2791.631 | 2593.160 | 2299.462 | 1948.629 | 1638.893 | 1471.495 | 1395.314 |
| 35.0 | 2989.100 | 2887.860 | 2767.574 | 2569.102 | 2274.402 | 1923.569 | 1613.833 | 1449.443 | 1373.262 |
| 35.5 | 2964.041 | 2861.798 | 2742.514 | 2544.043 | 2250.345 | 1898.510 | 1589.776 | 1428.393 | 1353.214 |
| 36.0 | 2935.974 | 2835.736 | 2717.455 | 2519.986 | 2225.286 | 1873.450 | 1566.721 | 1406.340 | 1332.164 |
| 36.5 | 2907.907 | 2807.669 | 2690.391 | 2493.924 | 2200.226 | 1848.391 | 1542.664 | 1385.290 | 1311.114 |
| 37.0 | 2879.841 | 2779.602 | 2664.329 | 2467.862 | 2175.167 | 1823.331 | 1518.607 | 1364.240 | 1292.069 |
| 37.5 | 2849.769 | 2751.536 | 2637.264 | 2442.802 | 2150.107 | 1799.274 | 1496.555 | 1343.190 | 1271.019 |
| 38.0 | 2820.700 | 2722.467 | 2608.195 | 2415.738 | 2125.048 | 1774.214 | 1473.500 | 1323.143 | 1251.974 |
| 38.5 | 2788.624 | 2692.395 | 2580.129 | 2389.676 | 2098.986 | 1749.155 | 1450.445 | 1303.095 | 1231.926 |
| 39.0 | 2758.552 | 2663.326 | 2551.060 | 2362.612 | 2072.924 | 1724.095 | 1428.393 | 1283.048 | 1212.881 |
| 39.5 | 2725.474 | 2632.252 | 2521.991 | 2335.548 | 2046.862 | 1700.038 | 1406.340 | 1263.000 | 1195.840 |
| 40.0 | 2694.400 | 2600.176 | 2491.919 | 2307.481 | 2021.802 | 1674.979 | 1385.290 | 1243.955 | 1176.795 |
| 40.5 | 2662.324 | 2569.102 | 2460.845 | 2279.414 | 1994.738 | 1650.921 | 1363.238 | 1224.910 | 1158.752 |
| 41.0 | 2630.248 | 2537.026 | 2430.774 | 2251.348 | 1968.676 | 1626.864 | 1343.190 | 1205.864 | 1141.712 |
| 41.5 | 2598.171 | 2503.948 | 2399.700 | 2222.279 | 1942.614 | 1602.807 | 1322.140 | 1186.819 | 1124.671 |
| 42.0 | 2565.093 | 2470.869 | 2368.626 | 2193.210 | 1915.550 | 1578.750 | 1301.090 | 1168.776 | 1107.631 |
| 42.5 | 2533.017 | 2437.791 | 2336.550 | 2164.141 | 1889.488 | 1554.693 | 1281.043 | 1150.733 | 1090.590 |
| 43.0 | 2500.941 | 2404.712 | 2304.474 | 2134.069 | 1862.424 | 1531.638 | 1260.995 | 1132.690 | 1073.550 |
| 43.5 | 2466.860 | 2370.631 | 2272.398 | 2103.998 | 1836.362 | 1508.583 | 1240.948 | 1115.650 | 1057.512 |
| 44.0 | 2432.779 | 2336.550 | 2239.319 | 2073.926 | 1810.300 | 1484.526 | 1220.900 | 1097.607 | 1041.474 |
| 44.5 | 2399.700 | 2302.469 | 2207.243 | 2043.855 | 1783.236 | 1461.471 | 1200.852 | 1080.567 | 1025.436 |
| 45.0 | 2364.617 | 2267.386 | 2174.164 | 2013.783 | 1756.171 | 1438.417 | 1181.807 | 1063.526 | 1009.398 |
| 45.5 | 2329.533 | 2232.302 | 2142.088 | 1982.710 | 1728.105 | 1415.362 | 1161.760 | 1046.486 | 993.560 |
| 46.0 | 2293.448 | 2197.219 | 2109.010 | 1952.638 | 1701.041 | 1392.307 | 1142.714 | 1029.445 | 977.722 |
| 46.5 | 2257.362 | 2162.136 | 2075.931 | 1921.564 | 1674.979 | 1368.250 | 1123.669 | 1012.405 | 961.183 |
| 47.0 | 2220.274 | 2127.052 | 2041.850 | 1890.491 | 1646.912 | 1345.195 | 1104.624 | 996.367 | 945.847 |
| 47.5 | 2183.186 | 2090.967 | 2008.771 | 1860.419 | 1619.848 | 1322.140 | 1085.579 | 980.028 | 930.711 |
| 48.0 | 2145.095 | 2055.883 | 1974.691 | 1829.345 | 1593.786 | 1300.088 | 1066.533 | 963.789 | 914.973 |
| 48.5 | 2108.007 | 2019.798 | 1940.610 | 1799.274 | 1566.721 | 1277.033 | 1046.486 | 947.450 | 899.436 |
| 49.0 | 2069.917 | 1984.714 | 1907.531 | 1769.202 | 1539.657 | 1253.979 | 1028.443 | 931.513 | 883.599 |
| 49.5 | 2031.826 | 1948.629 | 1874.452 | 1737.126 | 1511.590 | 1230.924 | 1010.400 | 915.976 | 869.165 |
| 50.0 | 1993.736 | 1913.545 | 1840.371 | 1706.052 | 1485.529 | 1208.871 | 991.555 | 899.938 | 854.430 |
| 50.5 | 1957.650 | 1876.457 | 1806.291 | 1675.981 | 1458.464 | 1185.817 | 973.212 | 884.401 | 839.494 |
| 51.0 | 1920.562 | 1839.369 | 1772.210 | 1644.907 | 1431.400 | 1163.764 | 954.768 | 868.964 | 824.859 |
| 51.5 | 1882.471 | 1803.283 | 1738.129 | 1613.833 | 1404.336 | 1141.712 | 936.424 | 853.928 | 809.824 |
| 52.0 | 1845.383 | 1766.195 | 1704.048 | 1583.762 | 1378.274 | 1119.660 | 918.782 | 838.592 | 795.490 |
| 52.5 | 1809.298 | 1730.110 | 1669.967 | 1552.688 | 1351.210 | 1097.607 | 900.539 | 823.957 | 780.955 |
| 53.0 | 1773.212 | 1693.021 | 1636.888 | 1521.614 | 1324.145 | 1075.555 | 883.198 | 809.122 | 766.621 |
| 53.5 | 1737.126 | 1655.933 | 1602.807 | 1490.540 | 1298.083 | 1053.502 | 865.556 | 794.387 | 752.688 |
| 54.0 | 1700.038 | 1619.848 | 1568.726 | 1459.467 | 1271.019 | 1031.450 | 848.315 | 781.456 | 741.762 |
| 54.5 | 1663.952 | 1583.762 | 1534.645 | 1429.395 | 1244.957 | 1009.398 | 830.974 | 766.922 | 727.428 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
| 55.0 | 1627.867 | 1546.674 | 1500.564 | 1398.321 | 1217.893 | 987.846 | 813.933 | 752.487 | 713.595 |
| 55.5 | 1590.779 | 1510.588 | 1466.483 | 1367.248 | 1191.831 | 966.496 | 797.795 | 738.053 | 699.261 |
| 56.0 | 1553.690 | 1474.502 | 1433.405 | 1337.176 | 1165.769 | 945.646 | 782.258 | 723.920 | 685.428 |
| 56.5 | 1517.605 | 1439.419 | 1399.324 | 1306.102 | 1138.705 | 924.596 | 765.619 | 711.290 | 671.395 |
| 57.0 | 1481.519 | 1403.333 | 1365.243 | 1276.031 | 1113.645 | 903.747 | 749.180 | 696.955 | 657.662 |
| 57.5 | 1444.431 | 1368.250 | 1331.162 | 1244.957 | 1086.581 | 882.997 | 733.041 | 682.822 | 643.829 |
| 58.0 | 1406.340 | 1333.167 | 1298.083 | 1214.886 | 1061.521 | 862.549 | 716.702 | 668.588 | 630.197 |
| 58.5 | 1369.252 | 1298.083 | 1264.002 | 1184.814 | 1035.460 | 842.200 | 702.368 | 654.555 | 616.765 |
| 59.0 | 1332.164 | 1263.000 | 1231.926 | 1154.743 | 1010.400 | 822.353 | 686.330 | 640.521 | 603.333 |
| 59.5 | 1295.076 | 1227.917 | 1198.848 | 1125.674 | 985.441 | 803.308 | 670.793 | 626.588 | 589.901 |
| 60.0 | 1259.993 | 1193.836 | 1165.769 | 1095.602 | 959.680 | 784.062 | 654.855 | 612.655 | 576.670 |
| 60.5 | 1223.907 | 1159.755 | 1133.693 | 1066.533 | 935.121 | 764.416 | 639.319 | 599.023 | 563.639 |
| 61.0 | 1188.824 | 1125.674 | 1100.614 | 1036.462 | 910.162 | 745.170 | 623.982 | 585.190 | 550.708 |
| 61.5 | 1153.740 | 1092.595 | 1069.540 | 1008.395 | 885.804 | 725.824 | 608.545 | 571.658 | 537.777 |
| 62.0 | 1119.660 | 1059.517 | 1037.464 | 979.527 | 861.647 | 706.578 | 593.510 | 558.226 | 524.746 |
| 62.5 | 1086.581 | 1027.440 | 1006.390 | 950.859 | 837.590 | 688.936 | 578.374 | 544.894 | 512.016 |
| 63.0 | 1052.500 | 994.963 | 975.417 | 922.391 | 815.236 | 670.493 | 563.438 | 531.663 | 499.085 |
| 63.5 | 1020.424 | 963.388 | 944.945 | 894.425 | 791.680 | 651.648 | 548.804 | 518.431 | 486.455 |
| 64.0 | 989.150 | 932.315 | 914.472 | 866.759 | 767.924 | 633.004 | 533.968 | 505.400 | 473.825 |
| 64.5 | 958.376 | 900.940 | 884.401 | 839.594 | 744.268 | 614.359 | 519.334 | 492.269 | 460.995 |
| 65.0 | 927.503 | 870.568 | 854.730 | 813.733 | 721.213 | 596.016 | 504.799 | 479.138 | 448.165 |
| 65.5 | 897.432 | 840.496 | 826.764 | 786.769 | 698.660 | 577.973 | 490.265 | 466.107 | 435.434 |
| 66.0 | 867.260 | 811.127 | 798.196 | 760.105 | 678.411 | 559.730 | 476.031 | 453.076 | 422.804 |
| 66.5 | 837.189 | 783.661 | 769.829 | 733.643 | 655.657 | 541.787 | 461.797 | 440.246 | 410.275 |
| 67.0 | 807.518 | 755.094 | 741.962 | 708.082 | 633.204 | 524.045 | 447.563 | 427.215 | 397.745 |
| 67.5 | 778.549 | 726.726 | 714.196 | 682.020 | 610.751 | 506.403 | 433.329 | 414.384 | 385.215 |
| 68.0 | 751.986 | 699.862 | 686.932 | 658.665 | 588.598 | 488.961 | 419.095 | 401.353 | 372.785 |
| 68.5 | 724.320 | 673.299 | 661.571 | 633.405 | 566.846 | 471.720 | 404.962 | 388.623 | 360.556 |
| 69.0 | 695.753 | 646.335 | 635.008 | 608.646 | 545.295 | 454.580 | 391.029 | 375.692 | 348.327 |
| 69.5 | 667.485 | 619.672 | 609.047 | 584.288 | 524.245 | 437.539 | 376.995 | 362.862 | 336.199 |
| 70.0 | 639.519 | 593.710 | 583.386 | 560.030 | 503.095 | 420.699 | 363.163 | 350.031 | 323.970 |
| 70.5 | 612.455 | 567.849 | 558.326 | 536.073 | 482.346 | 404.160 | 349.430 | 337.401 | 311.841 |
| 71.0 | 585.691 | 542.589 | 533.467 | 512.718 | 461.897 | 387.721 | 336.199 | 324.671 | 299.812 |
| 71.5 | 559.529 | 517.529 | 509.009 | 489.563 | 441.749 | 371.683 | 322.767 | 312.141 | 287.784 |
| 72.0 | 533.868 | 493.171 | 485.052 | 467.009 | 422.002 | 355.645 | 309.435 | 299.712 | 275.955 |
| 72.5 | 509.009 | 469.415 | 461.697 | 444.756 | 402.556 | 339.807 | 296.304 | 287.282 | 264.127 |
| 73.0 | 484.551 | 445.959 | 438.742 | 422.905 | 383.511 | 324.270 | 283.072 | 274.853 | 252.299 |
| 73.5 | 460.594 | 423.005 | 416.088 | 401.353 | 364.766 | 309.034 | 270.342 | 262.624 | 240.772 |
| 74.0 | 437.640 | 400.551 | 394.036 | 380.303 | 346.122 | 293.998 | 257.812 | 250.495 | 229.245 |
| 74.5 | 415.086 | 378.399 | 372.485 | 359.755 | 327.979 | 279.163 | 245.383 | 238.667 | 218.018 |
| 75.0 | 393.134 | 357.249 | 351.234 | 339.607 | 310.137 | 264.328 | 232.953 | 226.839 | 206.591 |
| 75.5 | 371.783 | 336.399 | 330.585 | 320.060 | 292.395 | 250.094 | 220.825 | 215.111 | 195.565 |
| 76.0 | 350.332 | 316.151 | 310.638 | 301.015 | 275.454 | 235.960 | 208.796 | 203.684 | 184.538 |
| 76.5 | 330.385 | 296.504 | 291.091 | 282.571 | 258.614 | 222.027 | 196.968 | 192.457 | 173.813 |
| 77.0 | 310.237 | 277.259 | 272.247 | 264.328 | 242.075 | 208.395 | 185.240 | 181.331 | 163.388 |
| 77.5 | 290.490 | 258.614 | 253.903 | 246.786 | 226.037 | 195.164 | 173.913 | 170.305 | 153.264 |
| 78.0 | 271.244 | 240.571 | 235.960 | 229.746 | 210.500 | 182.032 | 162.686 | 159.679 | 143.441 |
| 78.5 | 252.500 | 223.030 | 218.920 | 213.206 | 195.364 | 169.402 | 151.760 | 149.255 | 133.517 |
| 79.0 | 234.457 | 205.989 | 202.280 | 197.269 | 180.529 | 157.073 | 141.035 | 139.130 | 123.794 |
| 79.5 | 216.715 | 189.650 | 186.242 | 181.832 | 166.195 | 145.145 | 130.510 | 129.307 | 113.971 |
| 80.0 | 199.574 | 174.013 | 170.806 | 166.997 | 152.462 | 133.517 | 120.386 | 119.584 | 104.448 |
| 80.5 | 182.834 | 158.978 | 155.970 | 152.462 | 139.231 | 122.290 | 110.362 | 109.961 | 95.427 |
| 81.0 | 166.696 | 144.844 | 141.937 | 138.529 | 126.601 | 111.465 | 100.940 | 100.639 | 86.806 |
| 81.5 | 151.159 | 131.312 | 128.505 | 125.197 | 114.372 | 100.940 | 91.818 | 91.718 | 78.386 |
| 82.0 | 136.825 | 118.381 | 115.575 | 112.567 | 102.744 | 91.016 | 82.897 | 82.997 | 70.267 |
| 82.5 | 123.293 | 106.052 | 103.646 | 100.539 | 91.718 | 81.494 | 74.377 | 74.677 | 62.348 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MSTG-14-L75-840-CS-SSYM-ASY-DIM-120_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 83.0 | 109.761 | 94.625 | 92.420 | 89.212 | 81.093 | 72.372 | 66.358 | 66.759 | 54.830 |
| 83.5 | 97.331 | 84.000 | 81.694 | 78.386 | 71.370 | 63.751 | 58.539 | 59.140 | 47.613 |
| 84.0 | 85.403 | 73.475 | 71.670 | 68.463 | 62.047 | 55.732 | 51.121 | 51.823 | 40.797 |
| 84.5 | 74.176 | 63.751 | 62.248 | 59.241 | 53.327 | 48.315 | 44.305 | 44.907 | 34.682 |
| 85.0 | 63.651 | 54.730 | 53.828 | 51.021 | 45.308 | 41.398 | 37.990 | 38.491 | 29.069 |
| 85.5 | 53.828 | 46.410 | 46.009 | 43.403 | 37.890 | 34.983 | 32.277 | 32.577 | 24.057 |
| 86.0 | 44.706 | 38.592 | 38.792 | 36.487 | 31.174 | 29.270 | 27.064 | 27.165 | 19.847 |
| 86.5 | 36.787 | 31.074 | 31.976 | 30.071 | 25.260 | 24.157 | 22.453 | 22.453 | 16.339 |
| 87.0 | 29.971 | 24.057 | 25.460 | 24.458 | 20.048 | 19.446 | 18.444 | 18.444 | 13.432 |
| 87.5 | 23.556 | 17.842 | 18.945 | 19.446 | 15.537 | 15.437 | 14.835 | 14.635 | 10.024 |
| 88.0 | 16.339 | 12.430 | 13.933 | 14.635 | 11.828 | 11.828 | 11.126 | 11.026 | 6.515 |
| 88.5 | 10.625 | 8.019 | 10.625 | 10.625 | 8.119 | 8.420 | 8.019 | 8.119 | 3.809 |
| 89.0 | 4.711 | 4.912 | 7.518 | 8.019 | 5.613 | 6.014 | 5.814 | 5.212 | 1.504 |
| 89.5 | 1.905 | 1.905 | 4.310 | 6.014 | 4.110 | 4.410 | 4.110 | 3.208 | 0.601 |
| 90.0 | 0.902 | 0.702 | 1.403 | 3.709 | 2.807 | 3.007 | 2.506 | 1.704 | 0.501 |
| 90.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 91.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 91.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.0 | 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 |
| 93.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 93.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 94.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 94.5 | 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 |
| 95.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 96.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 96.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.0 | 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 |
| 98.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 98.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 99.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 99.5 | 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 |
| 100.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 101.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 101.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.0 | 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 |
| 103.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 103.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 104.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 104.5 | 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 |
| 105.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 106.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 106.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.0 | 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 |
| 108.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 108.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 109.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 109.5 | 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 |
| 110.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MSTG-14-L75-840-CS-SSYM-ASY-DIM-120_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 111.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 111.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.0 | 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 |
| 113.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.5 | 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 |
| 115.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.0 | 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 |
| 118.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.5 | 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 |
| 120.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.0 | 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 |
| 123.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.5 | 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 |
| 125.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.0 | 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 |
| 128.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.5 | 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 |
| 130.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.0 | 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 |
| 133.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.5 | 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 |
| 135.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.0 | 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 |
| 138.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MSTG-14-L75-840-CS-SSYM-ASY-DIM-120_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 139.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 139.5 | 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 |
| 140.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.0 | 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 |
| 143.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.5 | 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 |
| 145.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.0 | 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 |
| 148.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.5 | 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 |
| 150.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.0 | 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 |
| 153.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.5 | 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 |
| 155.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.0 | 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 |
| 158.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.5 | 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 |
| 160.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.0 | 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 |
| 163.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.5 | 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 |
| 165.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MSTG-14-L75-840-CS-SSYM-ASY-DIM-120_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 167.0 | 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 |
| 168.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.5 | 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 |
| 170.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.0 | 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 |
| 173.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.5 | 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 |
| 175.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.0 | 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 |
| 178.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.5 | 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 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MSTG-14-L75-840-CS-SSYM-ASY-DIM-120_.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1134.2 | N.A. | 15.90 |
| 0-30 | 2351.06 | N.A. | 32.90 |
| 0-40 | 3729.98 | N.A. | 52.10 |
| 0-60 | 6087.9 | N.A. | 85.10 |
| 0-80 | 7094.69 | N.A. | 99.10 |
| 0-90 | 7155.6 | N.A. | 100.00 |
| 10-90 | 6857.91 | N.A. | 95.80 |
| 20-40 | 2595.78 | N.A. | 36.30 |
| 20-50 | 3904.02 | N.A. | 54.60 |
| 40-70 | 3044.84 | N.A. | 42.60 |
| 60-80 | 1006.79 | N.A. | 14.10 |
| 70-80 | 319.87 | N.A. | 4.50 |
| 80-90 | 60.91 | N.A. | 0.90 |
| 90-110 | 0.06 | N.A. | 0.00 |
| 90-120 | 0.06 | N.A. | 0.00 |
| 90-130 | 0.06 | N.A. | 0.00 |
| 90-150 | 0.06 | N.A. | 0.00 |
| 90-180 | 0.06 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 7155.66 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 297.70 |
| 10-20 | 836.50 |
| 20-30 | 1216.86 |
| 30-40 | 1378.92 |
| 40-50 | 1308.24 |
| 50-60 | 1049.68 |
| 60-70 | 686.92 |
| 70-80 | 319.87 |
| 80-90 | 60.91 |
| 90-100 | 0.06 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MSTG-14-L75-840-CS-SSYM-ASY-DIM-120_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 110 | 106 | 102 | 98 | 107 | 103 | 100 | 97 | 99 | 96 | 94 | 95 | 93 | 91 | 92 | 90 | 88 | 86 |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | 74 |
| 3 | 93 | 83 | 75 | 69 | 90 | 81 | 74 | 69 | 78 | 72 | 67 | 76 | 71 | 66 | 73 | 69 | 65 | 63 |
| 4 | 85 | 74 | 66 | 60 | 83 | 73 | 65 | 59 | 70 | 64 | 58 | 68 | 62 | 58 | 66 | 61 | 57 | 55 |
| 5 | 79 | 67 | 58 | 52 | 77 | 65 | 58 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 54 | 50 | 48 |
| 6 | 73 | 60 | 52 | 46 | 71 | 59 | 51 | 46 | 58 | 50 | 45 | 56 | 50 | 45 | 54 | 49 | 44 | 42 |
| 7 | 68 | 55 | 47 | 41 | 66 | 54 | 46 | 41 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 38 |
| 8 | 63 | 50 | 42 | 37 | 62 | 50 | 42 | 36 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 |
| 9 | 59 | 46 | 38 | 33 | 58 | 46 | 38 | 33 | 45 | 38 | 33 | 44 | 37 | 33 | 43 | 37 | 33 | 31 |
| 10 | 56 | 43 | 35 | 30 | 54 | 42 | 35 | 30 | 41 | 35 | 30 | 40 | 34 | 30 | 40 | 34 | 30 | 28 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MSTG-14-L75-840-CS-SSYM-ASY-DIM-120_.IES

UGR TABLE - CORRECTED

Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| Ceiling Cavity | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor Cavity | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

Room Size UGR Viewed Crosswise

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| X=2H | Y=2H | 21.7 | 23.3 | 22.1 | 23.6 | 23.9 | 20.0 | 21.6 | 20.4 | 21.9 | 22.2 |
| | 3H | 23.0 | 24.4 | 23.4 | 24.7 | 25.1 | 21.4 | 22.8 | 21.7 | 23.1 | 23.4 |
| | 4H | 23.4 | 24.7 | 23.8 | 25.0 | 25.4 | 21.8 | 23.1 | 22.2 | 23.4 | 23.8 |
| | 6H | 23.6 | 24.8 | 24.0 | 25.2 | 25.6 | 22.0 | 23.2 | 22.4 | 23.6 | 24.0 |
| | 8H | 23.7 | 24.8 | 24.1 | 25.2 | 25.6 | 22.0 | 23.2 | 22.4 | 23.6 | 24.0 |
| | 12H | 23.7 | 24.8 | 24.1 | 25.1 | 25.6 | 22.0 | 23.1 | 22.5 | 23.5 | 23.9 |

UGR Viewed Endwise

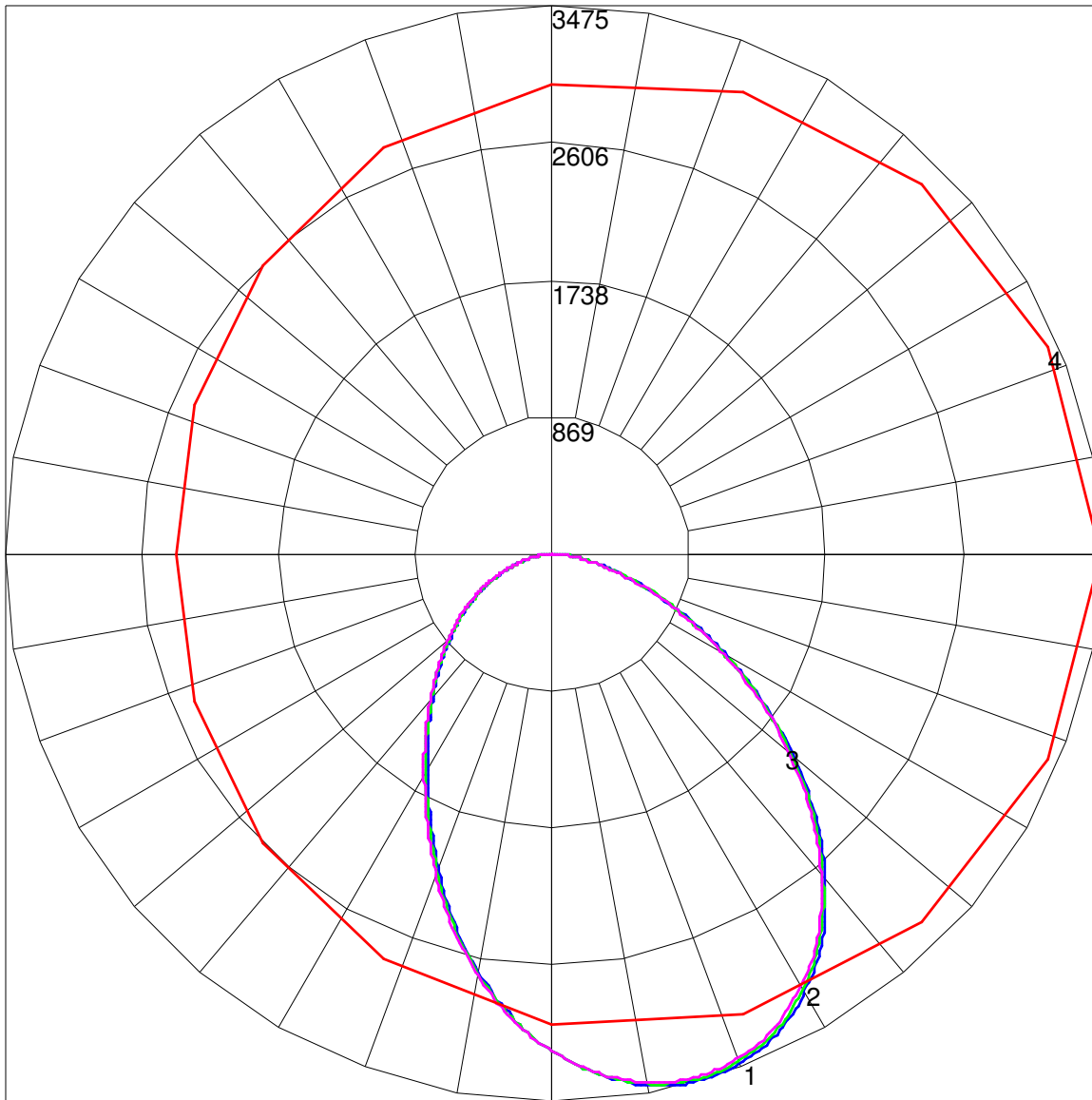
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 22.1 | 23.4 | 22.5 | 23.8 | 24.2 | 20.5 | 21.8 | 20.9 | 22.1 | 22.5 |
| | 3H | 23.6 | 24.7 | 24.0 | 25.1 | 25.5 | 22.0 | 23.1 | 22.4 | 23.5 | 23.9 |
| | 4H | 24.1 | 25.0 | 24.5 | 25.4 | 25.9 | 22.5 | 23.5 | 22.9 | 23.9 | 24.3 |
| | 6H | 24.4 | 25.2 | 24.8 | 25.6 | 26.1 | 22.8 | 23.7 | 23.3 | 24.1 | 24.6 |
| | 8H | 24.4 | 25.2 | 24.9 | 25.7 | 26.1 | 22.9 | 23.7 | 23.3 | 24.1 | 24.6 |
| | 12H | 24.5 | 25.2 | 24.9 | 25.6 | 26.1 | 22.9 | 23.6 | 23.4 | 24.1 | 24.6 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 24.2 | 25.0 | 24.6 | 25.4 | 25.9 | 22.7 | 23.5 | 23.1 | 23.9 | 24.4 |
| | 6H | 24.5 | 25.2 | 25.0 | 25.7 | 26.2 | 23.0 | 23.7 | 23.5 | 24.2 | 24.7 |
| | 8H | 24.6 | 25.2 | 25.1 | 25.7 | 26.2 | 23.1 | 23.7 | 23.7 | 24.2 | 24.7 |
| | 12H | 24.7 | 25.2 | 25.2 | 25.7 | 26.3 | 23.2 | 23.7 | 23.7 | 24.2 | 24.8 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 24.2 | 24.9 | 24.7 | 25.4 | 25.8 | 22.7 | 23.4 | 23.1 | 23.8 | 24.3 |
| | 6H | 24.5 | 25.1 | 25.1 | 25.6 | 26.1 | 23.1 | 23.6 | 23.6 | 24.1 | 24.6 |
| | 8H | 24.6 | 25.2 | 25.2 | 25.7 | 26.2 | 23.2 | 23.7 | 23.7 | 24.2 | 24.7 |

Maximum UGR = 26.3

POLAR GRAPH



Maximum Candela = 3475.255 Located At Horizontal Angle = 0, Vertical Angle = 15.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (5 - 185)

3 - Vertical Plane Through Horizontal Angles (10 - 190)

4 - Horizontal Cone Through Vertical Angle (15.5) (Through Max. Cd.)