

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : GS-2-L120-835-HP-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 14617179.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 1/20/2025  
[TEST DATE] 1/6/2023  
[MANUFAC] H E Williams Inc  
[LUMCAT] GS-2-L120-835-HP-DIM-UNV  
[LUMINAIRE] White aluminum housing, prismatic lense enclosure  
[LAMP] 448 White LEDs  
[BALLAST] ULT D21CC80UNVPW-C  
[OTHER] 24.9 C, 120.004 V, 1.44538 A, 173.17 W, 0.998374 PF, 59.9997 H  
[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                | 12317           |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 145             |
| Total Luminaire Watts           | 85              |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.28            |
| Spacing Criterion (90-270)      | 1.30            |
| Spacing Criterion (Diagonal)    | 1.42            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 1.67 ft         |
| Luminous Width (90-270)         | 1.17 ft         |
| Luminous Height                 | 0.00 ft         |

### LUMINANCE DATA (cd/sq.m)

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 24576            | 25336             | 25795             |
| 55                  | 23522            | 24469             | 17601             |
| 65                  | 21336            | 14923             | 4838              |
| 75                  | 17467            | 4802              | 4863              |
| 85                  | 7658             | 6582              | 6129              |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GS-2-L120-835-HP-DIM-UNV\_.IES**

**CANDELA TABULATION**

|      | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|------|------------|-------------|-------------|-------------|-------------|
| 0.0  | 4669.270   | 4669.270    | 4669.270    | 4669.270    | 4669.270    |
| 0.5  | 4611.588   | 4672.203    | 4682.468    | 4675.136    | 4684.423    |
| 1.0  | 4613.055   | 4672.692    | 4682.957    | 4675.136    | 4683.935    |
| 1.5  | 4615.010   | 4672.203    | 4683.446    | 4673.669    | 4682.468    |
| 2.0  | 4614.521   | 4673.180    | 4682.468    | 4674.158    | 4682.957    |
| 2.5  | 4613.544   | 4672.203    | 4682.957    | 4673.180    | 4681.490    |
| 3.0  | 4613.055   | 4670.247    | 4681.979    | 4673.669    | 4682.468    |
| 3.5  | 4611.588   | 4667.314    | 4681.490    | 4673.669    | 4682.468    |
| 4.0  | 4608.166   | 4665.848    | 4680.024    | 4675.624    | 4683.446    |
| 4.5  | 4603.767   | 4662.915    | 4678.069    | 4676.602    | 4684.423    |
| 5.0  | 4597.901   | 4659.493    | 4676.602    | 4675.624    | 4682.957    |
| 5.5  | 4593.502   | 4656.560    | 4674.647    | 4674.158    | 4681.002    |
| 6.0  | 4590.080   | 4653.627    | 4672.203    | 4670.736    | 4677.091    |
| 6.5  | 4585.192   | 4649.228    | 4669.759    | 4667.314    | 4671.714    |
| 7.0  | 4578.837   | 4644.340    | 4664.870    | 4662.426    | 4665.359    |
| 7.5  | 4573.460   | 4639.940    | 4660.471    | 4656.071    | 4658.516    |
| 8.0  | 4568.571   | 4634.563    | 4654.116    | 4649.228    | 4652.161    |
| 8.5  | 4566.127   | 4628.697    | 4648.250    | 4642.384    | 4647.273    |
| 9.0  | 4562.217   | 4622.342    | 4641.895    | 4635.541    | 4641.407    |
| 9.5  | 4556.840   | 4617.454    | 4636.518    | 4630.652    | 4637.007    |
| 10.0 | 4550.974   | 4613.055    | 4630.652    | 4624.787    | 4631.141    |
| 10.5 | 4545.597   | 4608.166    | 4623.809    | 4617.454    | 4624.298    |
| 11.0 | 4539.731   | 4603.278    | 4615.988    | 4609.144    | 4616.965    |
| 11.5 | 4534.842   | 4597.901    | 4608.166    | 4601.323    | 4605.722    |
| 12.0 | 4525.555   | 4591.057    | 4601.812    | 4591.057    | 4591.057    |
| 12.5 | 4515.289   | 4584.214    | 4593.013    | 4577.370    | 4579.326    |
| 13.0 | 4505.024   | 4576.393    | 4583.725    | 4563.683    | 4566.616    |
| 13.5 | 4494.270   | 4565.639    | 4574.437    | 4551.951    | 4552.440    |
| 14.0 | 4482.538   | 4555.373    | 4564.661    | 4538.753    | 4539.242    |
| 14.5 | 4466.896   | 4545.108    | 4552.929    | 4525.555    | 4527.999    |
| 15.0 | 4455.653   | 4534.842    | 4541.686    | 4512.356    | 4519.200    |
| 15.5 | 4449.298   | 4523.599    | 4528.488    | 4499.647    | 4510.401    |
| 16.0 | 4440.010   | 4510.890    | 4515.289    | 4488.404    | 4499.647    |
| 16.5 | 4430.234   | 4499.158    | 4499.647    | 4477.161    | 4489.870    |
| 17.0 | 4423.879   | 4486.937    | 4485.960    | 4465.918    | 4478.627    |
| 17.5 | 4413.614   | 4475.206    | 4471.295    | 4453.208    | 4467.873    |
| 18.0 | 4401.882   | 4461.518    | 4455.653    | 4441.477    | 4455.164    |
| 18.5 | 4389.172   | 4448.320    | 4441.965    | 4427.301    | 4438.544    |
| 19.0 | 4374.019   | 4435.611    | 4424.857    | 4412.636    | 4422.901    |
| 19.5 | 4357.398   | 4422.412    | 4408.725    | 4398.460    | 4410.192    |
| 20.0 | 4341.756   | 4409.214    | 4393.083    | 4383.306    | 4396.505    |
| 20.5 | 4326.602   | 4395.038    | 4378.907    | 4368.641    | 4382.817    |
| 21.0 | 4311.938   | 4379.884    | 4364.242    | 4354.954    | 4368.153    |
| 21.5 | 4294.829   | 4364.731    | 4349.088    | 4341.267    | 4352.021    |
| 22.0 | 4278.209   | 4349.577    | 4333.935    | 4326.602    | 4335.890    |
| 22.5 | 4264.033   | 4333.446    | 4317.804    | 4311.449    | 4321.225    |
| 23.0 | 4249.857   | 4316.826    | 4299.717    | 4293.851    | 4303.628    |
| 23.5 | 4235.681   | 4298.250    | 4282.119    | 4278.209    | 4287.985    |
| 24.0 | 4218.083   | 4281.630    | 4263.055    | 4262.566    | 4270.876    |
| 24.5 | 4202.929   | 4265.010    | 4243.502    | 4244.968    | 4254.745    |
| 25.0 | 4186.309   | 4244.480    | 4222.482    | 4228.837    | 4236.170    |
| 25.5 | 4167.245   | 4227.371    | 4203.907    | 4210.751    | 4218.572    |
| 26.0 | 4145.248   | 4210.262    | 4185.820    | 4192.664    | 4199.019    |
| 26.5 | 4121.295   | 4187.776    | 4168.223    | 4173.600    | 4179.954    |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GS-2-L120-835-HP-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 4099.298 | 4165.779 | 4149.158 | 4155.024 | 4160.890 |
| 27.5 | 4077.790 | 4142.804 | 4131.561 | 4136.449 | 4142.315 |
| 28.0 | 4057.259 | 4119.829 | 4112.496 | 4118.851 | 4123.739 |
| 28.5 | 4039.661 | 4096.854 | 4092.455 | 4099.787 | 4103.698 |
| 29.0 | 4020.108 | 4074.368 | 4071.924 | 4077.301 | 4084.145 |
| 29.5 | 4000.555 | 4051.882 | 4051.393 | 4056.770 | 4066.547 |
| 30.0 | 3981.002 | 4026.952 | 4029.396 | 4035.262 | 4046.016 |
| 30.5 | 3961.449 | 4003.977 | 4009.354 | 4013.265 | 4027.441 |
| 31.0 | 3940.430 | 3978.558 | 3989.312 | 3992.734 | 4006.910 |
| 31.5 | 3916.966 | 3953.628 | 3968.293 | 3971.714 | 3986.379 |
| 32.0 | 3892.525 | 3931.142 | 3946.295 | 3950.206 | 3964.871 |
| 32.5 | 3867.106 | 3907.189 | 3925.276 | 3931.142 | 3942.385 |
| 33.0 | 3840.709 | 3883.726 | 3906.212 | 3910.122 | 3921.854 |
| 33.5 | 3815.290 | 3858.796 | 3884.215 | 3888.614 | 3903.279 |
| 34.0 | 3789.382 | 3832.399 | 3860.262 | 3866.128 | 3881.770 |
| 34.5 | 3764.941 | 3806.491 | 3835.821 | 3843.642 | 3859.284 |
| 35.0 | 3742.455 | 3779.606 | 3808.935 | 3821.645 | 3835.332 |
| 35.5 | 3721.435 | 3752.720 | 3778.139 | 3798.670 | 3813.824 |
| 36.0 | 3696.016 | 3723.879 | 3753.209 | 3775.695 | 3791.338 |
| 36.5 | 3669.620 | 3695.039 | 3729.257 | 3751.743 | 3767.385 |
| 37.0 | 3639.313 | 3666.198 | 3702.860 | 3728.279 | 3743.921 |
| 37.5 | 3606.561 | 3637.846 | 3675.974 | 3704.815 | 3718.991 |
| 38.0 | 3575.276 | 3609.983 | 3652.022 | 3680.374 | 3693.083 |
| 38.5 | 3543.503 | 3581.631 | 3629.047 | 3654.955 | 3664.731 |
| 39.0 | 3515.639 | 3553.279 | 3602.162 | 3627.581 | 3638.335 |
| 39.5 | 3489.243 | 3522.972 | 3572.343 | 3598.740 | 3612.427 |
| 40.0 | 3461.869 | 3491.198 | 3542.525 | 3571.366 | 3585.542 |
| 40.5 | 3433.517 | 3459.424 | 3514.173 | 3543.503 | 3560.123 |
| 41.0 | 3407.120 | 3427.651 | 3485.332 | 3513.195 | 3534.215 |
| 41.5 | 3374.857 | 3395.388 | 3454.536 | 3485.332 | 3504.396 |
| 42.0 | 3339.173 | 3363.614 | 3423.251 | 3455.514 | 3474.089 |
| 42.5 | 3300.556 | 3331.352 | 3391.478 | 3425.695 | 3444.271 |
| 43.0 | 3262.916 | 3298.601 | 3361.170 | 3395.877 | 3415.430 |
| 43.5 | 3227.721 | 3263.894 | 3329.885 | 3365.570 | 3387.078 |
| 44.0 | 3196.436 | 3231.142 | 3301.533 | 3336.240 | 3360.681 |
| 44.5 | 3170.528 | 3198.880 | 3271.226 | 3309.844 | 3332.330 |
| 45.0 | 3143.643 | 3164.662 | 3240.919 | 3282.469 | 3299.578 |
| 45.5 | 3114.313 | 3131.422 | 3208.168 | 3249.718 | 3269.760 |
| 46.0 | 3079.606 | 3097.204 | 3171.506 | 3213.545 | 3237.497 |
| 46.5 | 3043.922 | 3061.520 | 3132.888 | 3183.726 | 3206.701 |
| 47.0 | 3006.282 | 3027.302 | 3100.137 | 3152.930 | 3176.883 |
| 47.5 | 2972.553 | 2994.550 | 3067.386 | 3120.668 | 3145.109 |
| 48.0 | 2941.757 | 2962.777 | 3032.679 | 3089.872 | 3112.358 |
| 48.5 | 2911.450 | 2933.936 | 2998.461 | 3059.564 | 3073.252 |
| 49.0 | 2879.187 | 2894.341 | 2966.199 | 3028.280 | 3023.391 |
| 49.5 | 2844.481 | 2852.302 | 2934.425 | 2996.995 | 2965.710 |
| 50.0 | 2800.975 | 2817.107 | 2901.185 | 2963.266 | 2896.296 |
| 50.5 | 2761.380 | 2786.310 | 2865.500 | 2927.092 | 2811.729 |
| 51.0 | 2724.229 | 2749.648 | 2829.816 | 2883.098 | 2714.453 |
| 51.5 | 2691.967 | 2713.964 | 2792.665 | 2829.327 | 2621.087 |
| 52.0 | 2661.171 | 2675.347 | 2757.470 | 2766.757 | 2545.808 |
| 52.5 | 2625.975 | 2638.196 | 2721.785 | 2685.612 | 2474.439 |
| 53.0 | 2585.403 | 2598.112 | 2685.123 | 2592.735 | 2367.386 |
| 53.5 | 2543.853 | 2560.961 | 2649.928 | 2495.948 | 2223.182 |
| 54.0 | 2505.235 | 2527.232 | 2612.777 | 2414.314 | 2058.448 |
| 54.5 | 2472.973 | 2490.082 | 2575.137 | 2343.923 | 1922.065 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GS-2-L120-835-HP-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 55.0 | 2440.710 | 2446.576 | 2538.964 | 2255.934 | 1826.255 |
| 55.5 | 2399.649 | 2406.492 | 2501.813 | 2130.794 | 1753.420 |
| 56.0 | 2355.166 | 2374.230 | 2465.640 | 1974.859 | 1682.540 |
| 56.5 | 2318.015 | 2340.012 | 2428.978 | 1829.677 | 1594.063 |
| 57.0 | 2286.730 | 2301.883 | 2390.361 | 1727.024 | 1504.608 |
| 57.5 | 2251.534 | 2259.356 | 2347.833 | 1653.700 | 1430.306 |
| 58.0 | 2210.962 | 2217.805 | 2302.372 | 1594.063 | 1384.356 |
| 58.5 | 2165.501 | 2178.210 | 2246.646 | 1521.228 | 1355.516 |
| 59.0 | 2128.839 | 2139.593 | 2182.610 | 1421.507 | 1331.563 |
| 59.5 | 2093.155 | 2098.043 | 2109.775 | 1338.895 | 1297.834 |
| 60.0 | 2047.205 | 2054.537 | 2023.741 | 1290.013 | 1252.862 |
| 60.5 | 2003.211 | 2017.387 | 1946.507 | 1261.172 | 1195.669 |
| 61.0 | 1963.616 | 1976.814 | 1873.672 | 1236.731 | 1124.790 |
| 61.5 | 1928.909 | 1934.775 | 1789.105 | 1201.046 | 1049.999 |
| 62.0 | 1887.359 | 1890.292 | 1697.205 | 1155.097 | 975.209  |
| 62.5 | 1836.032 | 1845.320 | 1578.420 | 1094.971 | 875.977  |
| 63.0 | 1791.060 | 1806.702 | 1444.482 | 1020.181 | 726.885  |
| 63.5 | 1755.376 | 1768.574 | 1335.963 | 947.834  | 606.634  |
| 64.0 | 1711.870 | 1724.091 | 1262.150 | 875.488  | 535.265  |
| 64.5 | 1670.320 | 1684.985 | 1205.935 | 767.946  | 469.811  |
| 65.0 | 1631.214 | 1644.901 | 1140.921 | 627.164  | 369.846  |
| 65.5 | 1579.398 | 1599.440 | 1059.287 | 529.888  | 320.475  |
| 66.0 | 1535.404 | 1557.401 | 990.851  | 470.495  | 309.427  |
| 66.5 | 1497.275 | 1519.272 | 949.790  | 382.995  | 304.343  |
| 67.0 | 1455.725 | 1476.745 | 917.527  | 320.963  | 299.895  |
| 67.5 | 1412.219 | 1434.705 | 883.798  | 298.526  | 295.496  |
| 68.0 | 1367.247 | 1396.577 | 840.293  | 292.367  | 291.389  |
| 68.5 | 1328.141 | 1351.605 | 778.700  | 287.479  | 287.381  |
| 69.0 | 1290.013 | 1311.032 | 708.309  | 282.933  | 283.373  |
| 69.5 | 1247.485 | 1269.482 | 648.184  | 278.680  | 279.267  |
| 70.0 | 1205.935 | 1230.865 | 565.572  | 274.623  | 275.209  |
| 70.5 | 1165.851 | 1186.870 | 459.595  | 270.468  | 271.299  |
| 71.0 | 1130.655 | 1140.921 | 391.306  | 266.606  | 267.388  |
| 71.5 | 1090.083 | 1093.016 | 339.783  | 262.744  | 262.989  |
| 72.0 | 1049.510 | 1042.178 | 280.831  | 258.394  | 258.736  |
| 72.5 | 1009.427 | 977.164  | 251.697  | 254.239  | 254.190  |
| 73.0 | 971.787  | 909.217  | 244.120  | 250.035  | 249.253  |
| 73.5 | 934.147  | 851.047  | 239.085  | 245.537  | 244.267  |
| 74.0 | 896.508  | 789.455  | 234.148  | 240.698  | 238.792  |
| 74.5 | 859.357  | 721.997  | 229.504  | 235.468  | 233.366  |
| 75.0 | 817.807  | 635.963  | 224.811  | 230.139  | 227.695  |
| 75.5 | 779.678  | 575.837  | 220.314  | 224.665  | 221.781  |
| 76.0 | 741.550  | 531.843  | 215.964  | 218.994  | 215.768  |
| 76.5 | 700.977  | 483.743  | 211.271  | 213.177  | 209.560  |
| 77.0 | 660.404  | 432.709  | 206.578  | 207.214  | 203.401  |
| 77.5 | 619.343  | 399.469  | 201.543  | 201.201  | 197.046  |
| 78.0 | 573.393  | 358.945  | 196.313  | 194.993  | 190.691  |
| 78.5 | 535.265  | 308.205  | 190.691  | 188.491  | 184.141  |
| 79.0 | 501.536  | 269.050  | 185.021  | 182.137  | 177.737  |
| 79.5 | 466.536  | 212.395  | 179.204  | 175.782  | 171.187  |
| 80.0 | 431.194  | 182.577  | 173.191  | 169.232  | 164.490  |
| 80.5 | 395.803  | 154.665  | 167.179  | 162.486  | 157.891  |
| 81.0 | 359.874  | 145.181  | 160.922  | 155.789  | 151.927  |
| 81.5 | 324.434  | 139.267  | 154.371  | 149.190  | 146.208  |
| 82.0 | 292.514  | 133.107  | 147.528  | 142.493  | 138.582  |
| 82.5 | 264.015  | 126.899  | 140.684  | 135.845  | 131.836  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GS-2-L120-835-HP-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 83.0  | 233.366 | 120.838 | 133.401 | 129.001 | 125.286 |
| 83.5  | 203.450 | 114.532 | 126.166 | 122.255 | 118.589 |
| 84.0  | 174.560 | 108.080 | 118.687 | 115.216 | 111.697 |
| 84.5  | 147.577 | 101.236 | 111.355 | 107.884 | 104.511 |
| 85.0  | 120.740 | 94.343  | 103.778 | 99.965  | 96.641  |
| 85.5  | 106.809 | 87.011  | 95.663  | 91.459  | 88.575  |
| 86.0  | 91.508  | 79.434  | 87.109  | 82.514  | 79.825  |
| 86.5  | 69.267  | 71.515  | 77.528  | 72.835  | 70.978  |
| 87.0  | 57.633  | 63.254  | 67.360  | 62.716  | 61.348  |
| 87.5  | 50.300  | 54.651  | 56.508  | 52.451  | 50.985  |
| 88.0  | 43.017  | 45.216  | 45.656  | 41.159  | 39.351  |
| 88.5  | 35.049  | 35.049  | 34.609  | 28.939  | 26.690  |
| 89.0  | 25.615  | 25.272  | 23.561  | 18.771  | 17.256  |
| 89.5  | 16.034  | 16.962  | 15.154  | 12.856  | 12.465  |
| 90.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 90.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 91.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 91.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 92.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 92.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 93.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 93.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 94.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 94.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 95.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 95.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 96.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 96.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 97.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 97.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 98.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 98.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 99.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 99.5  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 100.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 100.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 101.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 101.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 102.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 102.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 103.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 103.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 104.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 104.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 105.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 105.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 106.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 106.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 107.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 107.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 108.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 108.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 109.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 109.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 110.0 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 110.5 | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : GS-2-L120-835-HP-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

|       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|
| 111.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 111.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : GS-2-L120-835-HP-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

|       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|
| 139.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 139.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : GS-2-L120-835-HP-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

|       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|
| 167.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GS-2-L120-835-HP-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp | %Fixt  |
|---------|----------|-------|--------|
| 0-20    | 1719.81  | N.A.  | 14.00  |
| 0-30    | 3668.06  | N.A.  | 29.80  |
| 0-40    | 6044.22  | N.A.  | 49.10  |
| 0-60    | 10614.07 | N.A.  | 86.20  |
| 0-80    | 12206.59 | N.A.  | 99.10  |
| 0-90    | 12317.47 | N.A.  | 100.00 |
| 10-90   | 11873.98 | N.A.  | 96.40  |
| 20-40   | 4324.41  | N.A.  | 35.10  |
| 20-50   | 6810.89  | N.A.  | 55.30  |
| 40-70   | 5719.34  | N.A.  | 46.40  |
| 60-80   | 1592.52  | N.A.  | 12.90  |
| 70-80   | 443.03   | N.A.  | 3.60   |
| 80-90   | 110.88   | N.A.  | 0.90   |
| 90-110  | 0.00     | N.A.  | 0.00   |
| 90-120  | 0.00     | N.A.  | 0.00   |
| 90-130  | 0.00     | N.A.  | 0.00   |
| 90-150  | 0.00     | N.A.  | 0.00   |
| 90-180  | 0.00     | N.A.  | 0.00   |
| 110-180 | 0.00     | N.A.  | 0.00   |
| 0-180   | 12317.47 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 443.49  |
| 10-20   | 1276.33 |
| 20-30   | 1948.25 |
| 30-40   | 2376.15 |
| 40-50   | 2486.49 |
| 50-60   | 2083.36 |
| 60-70   | 1149.49 |
| 70-80   | 443.03  |
| 80-90   | 110.88  |
| 90-100  | 0.00    |
| 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 : GS-2-L120-835-HP-DIM-UNV\_.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  | 78  | 75  | 73  |
| 3  | 92  | 82  | 75  | 69  | 90  | 81  | 74  | 68  | 78  | 72  | 67  | 75  | 70  | 66  | 73  | 68  | 65  | 63  |
| 4  | 85  | 73  | 65  | 59  | 82  | 72  | 64  | 58  | 70  | 63  | 57  | 67  | 61  | 57  | 65  | 60  | 56  | 54  |
| 5  | 78  | 66  | 57  | 51  | 76  | 65  | 57  | 50  | 62  | 55  | 50  | 61  | 54  | 49  | 59  | 53  | 49  | 47  |
| 6  | 72  | 59  | 51  | 44  | 70  | 58  | 50  | 44  | 57  | 49  | 44  | 55  | 48  | 43  | 53  | 48  | 43  | 41  |
| 7  | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 43  | 39  | 49  | 43  | 38  | 36  |
| 8  | 62  | 49  | 41  | 35  | 61  | 48  | 40  | 35  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 34  | 32  |
| 9  | 58  | 45  | 37  | 32  | 57  | 44  | 37  | 31  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29  |
| 10 | 54  | 41  | 34  | 29  | 53  | 41  | 34  | 29  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GS-2-L120-835-HP-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

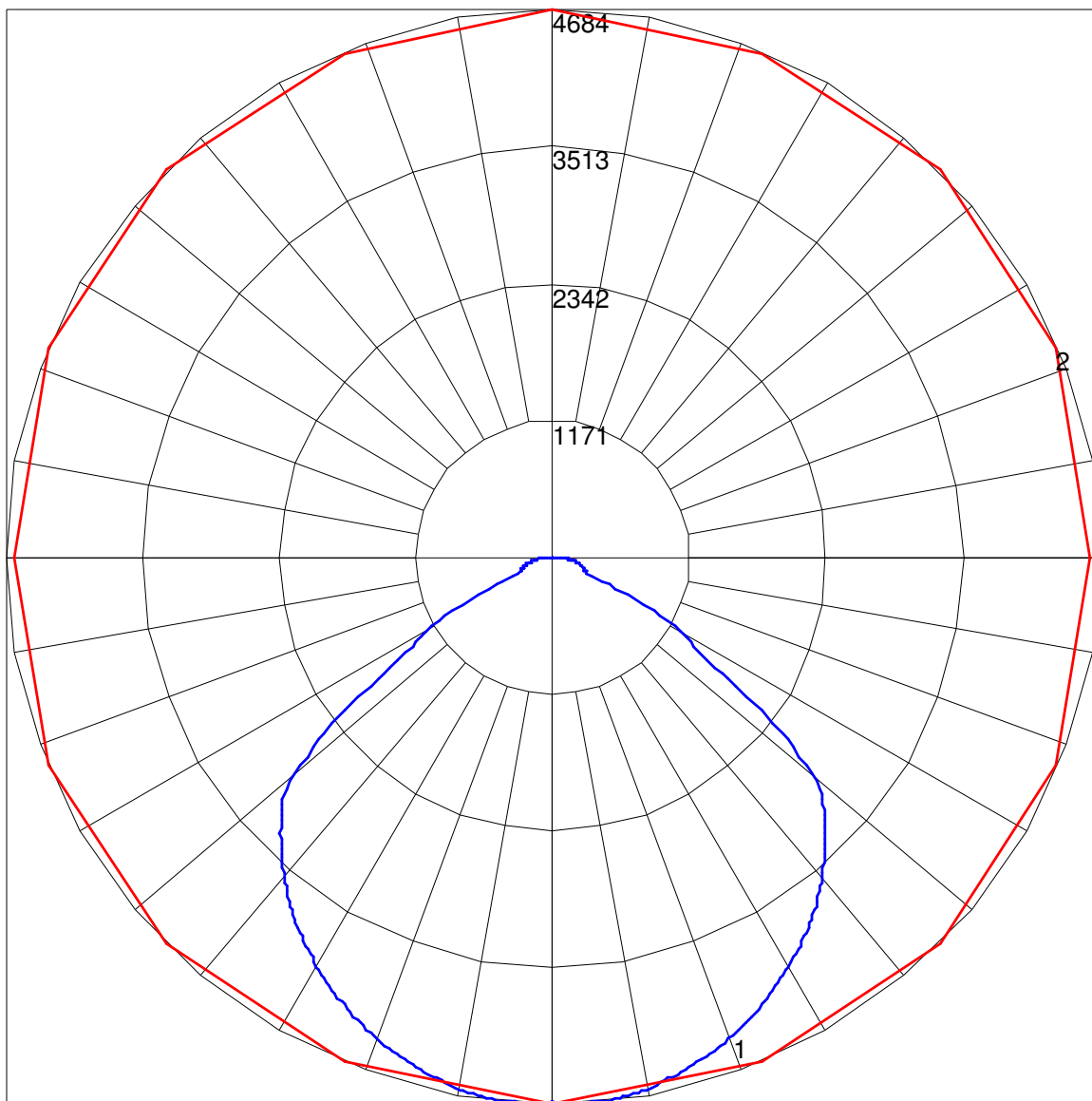
Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 |      |      |      |      | UGR Viewed Endwise |      |      |      |      |
|-----------|------|----------------------|------|------|------|------|--------------------|------|------|------|------|
| X=2H      | Y=2H | 23.5                 | 25.1 | 23.9 | 25.4 | 25.7 | 21.1               | 22.7 | 21.5 | 23.0 | 23.3 |
|           | 3H   | 25.2                 | 26.6 | 25.6 | 26.9 | 27.3 | 21.2               | 22.6 | 21.6 | 23.0 | 23.3 |
|           | 4H   | 25.7                 | 27.1 | 26.1 | 27.4 | 27.8 | 21.3               | 22.6 | 21.7 | 23.0 | 23.4 |
|           | 6H   | 26.0                 | 27.2 | 26.4 | 27.6 | 28.0 | 21.4               | 22.7 | 21.9 | 23.0 | 23.4 |
|           | 8H   | 26.1                 | 27.2 | 26.5 | 27.6 | 28.0 | 21.5               | 22.7 | 21.9 | 23.1 | 23.5 |
|           | 12H  | 26.1                 | 27.2 | 26.5 | 27.6 | 28.0 | 21.6               | 22.7 | 22.0 | 23.1 | 23.5 |
| 4H        | 2H   | 23.8                 | 25.1 | 24.2 | 25.4 | 25.8 | 21.7               | 23.1 | 22.1 | 23.4 | 23.8 |
|           | 3H   | 25.6                 | 26.7 | 26.0 | 27.1 | 27.5 | 21.9               | 23.0 | 22.3 | 23.4 | 23.8 |
|           | 4H   | 26.2                 | 27.2 | 26.6 | 27.6 | 28.0 | 22.1               | 23.0 | 22.5 | 23.4 | 23.9 |
|           | 6H   | 26.6                 | 27.4 | 27.0 | 27.8 | 28.3 | 22.3               | 23.1 | 22.7 | 23.5 | 24.0 |
|           | 8H   | 26.6                 | 27.4 | 27.1 | 27.9 | 28.3 | 22.3               | 23.1 | 22.8 | 23.6 | 24.0 |
|           | 12H  | 26.7                 | 27.4 | 27.2 | 27.9 | 28.3 | 22.4               | 23.1 | 22.9 | 23.6 | 24.1 |
| 8H        | 4H   | 26.2                 | 27.0 | 26.6 | 27.4 | 27.9 | 22.2               | 23.0 | 22.7 | 23.5 | 23.9 |
|           | 6H   | 26.5                 | 27.2 | 27.0 | 27.7 | 28.1 | 22.5               | 23.2 | 23.0 | 23.6 | 24.1 |
|           | 8H   | 26.6                 | 27.2 | 27.1 | 27.7 | 28.2 | 22.6               | 23.2 | 23.1 | 23.7 | 24.2 |
|           | 12H  | 26.7                 | 27.2 | 27.2 | 27.7 | 28.3 | 22.8               | 23.3 | 23.3 | 23.8 | 24.4 |
| 12H       | 4H   | 26.1                 | 26.9 | 26.6 | 27.3 | 27.8 | 22.3               | 23.0 | 22.7 | 23.4 | 23.9 |
|           | 6H   | 26.5                 | 27.1 | 27.0 | 27.6 | 28.1 | 22.5               | 23.1 | 23.0 | 23.6 | 24.1 |
|           | 8H   | 26.6                 | 27.1 | 27.1 | 27.6 | 28.2 | 22.7               | 23.2 | 23.2 | 23.7 | 24.3 |

Maximum UGR = 28.3

POLAR GRAPH



Maximum Candela = 4684.423 Located At Horizontal Angle = 90, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)