

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMR4AEG-L66-950-CA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155668.03

[TESTLAB] UL, LLC

[ISSUEDATE] 2026-08-07

[TESTDATE] 3/17/2026

[MANUFAC] H E Williams Inc

[LUMCAT] CMR4AEG-L66-950-CA-DIM-UNV (A&E)

[LUMINAIRE] 2' x 4' multi-function recessed troffer with door frame; door

[MORE] frame has arrangement of curved diffused acrylic lenses

[OTHER] This test was performed using the calibrated photodetector method

[MORE] of absolute photometry.

[OTHER] The reported results were measured in a facility that meets the

[MORE] requirements of ANSI/IES LM-75-19. The device under test emits no

[MORE] detectable uplight as defined by ANSI/IES LM-75-19.

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 14213           |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 106             |
| Total Luminaire Watts           | 133.9           |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.22            |
| Spacing Criterion (90-270)      | 1.22            |
| Spacing Criterion (Diagonal)    | 1.34            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 3.75 ft         |
| Luminous Width (90-270)         | 1.75 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                  | 7611             | 7756              | 7954              |
| 55                  | 6968             | 7325              | 7664              |
| 65                  | 6011             | 6667              | 7019              |
| 75                  | 4312             | 5154              | 5318              |
| 85                  | 1678             | 1977              | 1805              |

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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> |
|------|------------|-------------|-------------|-------------|-------------|
| 0.0  | 5441.958   | 5441.958    | 5441.958    | 5441.958    | 5441.958    |
| 0.5  | 5443.004   | 5438.698    | 5440.019    | 5437.461    | 5435.937    |
| 1.0  | 5452.165   | 5434.855    | 5445.955    | 5433.036    | 5449.250    |
| 1.5  | 5447.156   | 5431.012    | 5439.126    | 5430.668    | 5442.611    |
| 2.0  | 5444.789   | 5426.123    | 5432.488    | 5436.998    | 5444.051    |
| 2.5  | 5440.173   | 5421.971    | 5428.027    | 5429.586    | 5433.724    |
| 3.0  | 5436.176   | 5429.228    | 5430.977    | 5418.915    | 5429.811    |
| 3.5  | 5439.281   | 5427.289    | 5419.140    | 5419.807    | 5435.438    |
| 4.0  | 5427.015   | 5416.189    | 5419.533    | 5414.918    | 5430.703    |
| 4.5  | 5424.029   | 5416.927    | 5406.066    | 5406.305    | 5417.236    |
| 5.0  | 5420.306   | 5411.264    | 5408.279    | 5396.835    | 5418.212    |
| 5.5  | 5414.798   | 5403.270    | 5399.666    | 5403.593    | 5412.122    |
| 6.0  | 5406.958   | 5395.085    | 5389.887    | 5386.248    | 5405.448    |
| 6.5  | 5393.336   | 5382.784    | 5389.114    | 5384.154    | 5396.680    |
| 7.0  | 5392.563   | 5381.154    | 5375.457    | 5375.232    | 5379.215    |
| 7.5  | 5382.201   | 5370.483    | 5367.771    | 5362.193    | 5375.028    |
| 8.0  | 5373.588   | 5360.704    | 5363.739    | 5353.426    | 5362.692    |
| 8.5  | 5355.386   | 5348.522    | 5347.715    | 5336.081    | 5351.403    |
| 9.0  | 5351.937   | 5339.909    | 5337.900    | 5328.789    | 5345.003    |
| 9.5  | 5344.799   | 5329.976    | 5322.494    | 5321.925    | 5328.824    |
| 10.0 | 5327.917   | 5317.949    | 5313.298    | 5305.044    | 5318.975    |
| 10.5 | 5307.776   | 5306.231    | 5301.545    | 5292.124    | 5300.463    |
| 11.0 | 5284.993   | 5287.719    | 5286.448    | 5277.266    | 5296.396    |
| 11.5 | 5286.399   | 5278.214    | 5267.747    | 5264.930    | 5276.100    |
| 12.0 | 5274.526   | 5264.129    | 5257.349    | 5252.593    | 5257.982    |
| 12.5 | 5263.391   | 5245.737    | 5247.535    | 5234.939    | 5243.896    |
| 13.0 | 5237.503   | 5230.604    | 5226.930    | 5222.448    | 5233.000    |
| 13.5 | 5225.476   | 5215.472    | 5211.763    | 5200.214    | 5225.518    |
| 14.0 | 5209.452   | 5202.244    | 5198.106    | 5181.513    | 5205.187    |
| 14.5 | 5195.485   | 5182.376    | 5176.026    | 5170.342    | 5179.110    |
| 15.0 | 5173.714   | 5162.973    | 5157.908    | 5150.012    | 5162.896    |
| 15.5 | 5163.746   | 5139.108    | 5138.624    | 5130.264    | 5133.713    |
| 16.0 | 5137.085   | 5121.454    | 5122.719    | 5112.729    | 5132.097    |
| 16.5 | 5124.749   | 5103.800    | 5101.805    | 5095.349    | 5102.451    |
| 17.0 | 5103.252   | 5083.623    | 5083.996    | 5070.283    | 5089.497    |
| 17.5 | 5081.017   | 5062.864    | 5059.513    | 5049.643    | 5065.014    |
| 18.0 | 5051.989   | 5039.582    | 5039.920    | 5032.691    | 5039.484    |
| 18.5 | 5040.973   | 5027.092    | 5020.172    | 5008.208    | 5011.622    |
| 19.0 | 5013.111   | 4994.066    | 4991.418    | 4989.781    | 4992.577    |
| 19.5 | 4995.457   | 4975.794    | 4972.991    | 4966.619    | 4970.307    |
| 20.0 | 4963.752   | 4952.941    | 4946.449    | 4944.040    | 4941.672    |
| 20.5 | 4950.798   | 4927.446    | 4927.130    | 4920.878    | 4922.044    |
| 21.0 | 4906.708   | 4903.272    | 4898.067    | 4902.142    | 4901.523    |
| 21.5 | 4891.386   | 4881.157    | 4874.905    | 4872.186    | 4874.364    |
| 22.0 | 4871.329   | 4855.508    | 4848.209    | 4845.610    | 4855.319    |
| 22.5 | 4846.727   | 4827.920    | 4822.680    | 4822.293    | 4819.736    |
| 23.0 | 4813.237   | 4803.437    | 4802.897    | 4800.297    | 4807.639    |
| 23.5 | 4793.335   | 4777.479    | 4771.620    | 4772.246    | 4780.599    |
| 24.0 | 4766.948   | 4748.416    | 4747.412    | 4741.827    | 4753.285    |
| 24.5 | 4730.200   | 4721.566    | 4718.777    | 4717.618    | 4720.653    |
| 25.0 | 4705.871   | 4693.240    | 4691.772    | 4687.508    | 4696.444    |
| 25.5 | 4680.805   | 4665.652    | 4663.137    | 4664.465    | 4668.083    |
| 26.0 | 4651.897   | 4637.327    | 4633.610    | 4638.627    | 4643.994    |
| 26.5 | 4618.682   | 4608.109    | 4602.608    | 4606.578    | 4611.053    |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 4593.307 | 4578.582 | 4582.088 | 4578.372 | 4582.692 |
| 27.5 | 4560.246 | 4547.151 | 4546.660 | 4552.224 | 4563.921 |
| 28.0 | 4525.865 | 4515.566 | 4510.339 | 4524.755 | 4523.758 |
| 28.5 | 4498.551 | 4486.193 | 4487.297 | 4494.919 | 4495.826 |
| 29.0 | 4465.336 | 4456.667 | 4452.452 | 4467.142 | 4475.579 |
| 29.5 | 4435.226 | 4423.297 | 4424.091 | 4430.512 | 4437.320 |
| 30.0 | 4403.795 | 4390.236 | 4393.517 | 4407.315 | 4413.504 |
| 30.5 | 4369.104 | 4362.185 | 4365.311 | 4376.004 | 4386.619 |
| 31.0 | 4340.315 | 4325.710 | 4333.262 | 4345.121 | 4348.360 |
| 31.5 | 4302.365 | 4294.708 | 4297.525 | 4314.238 | 4324.270 |
| 32.0 | 4273.730 | 4262.076 | 4264.584 | 4284.402 | 4294.708 |
| 32.5 | 4233.413 | 4226.922 | 4231.643 | 4256.625 | 4263.671 |
| 33.0 | 4203.731 | 4192.814 | 4204.020 | 4221.899 | 4228.208 |
| 33.5 | 4168.303 | 4157.815 | 4164.131 | 4186.007 | 4195.112 |
| 34.0 | 4132.721 | 4122.815 | 4134.140 | 4163.239 | 4166.442 |
| 34.5 | 4096.829 | 4087.661 | 4100.616 | 4125.717 | 4136.297 |
| 35.0 | 4060.354 | 4051.769 | 4066.628 | 4097.940 | 4109.103 |
| 35.5 | 4026.092 | 4014.557 | 4032.949 | 4062.631 | 4071.427 |
| 36.0 | 3989.617 | 3980.878 | 3999.116 | 4030.118 | 4042.293 |
| 36.5 | 3952.250 | 3944.094 | 3964.545 | 3998.498 | 4005.509 |
| 37.0 | 3914.729 | 3908.940 | 3928.499 | 3964.082 | 3972.997 |
| 37.5 | 3876.779 | 3870.681 | 3893.928 | 3933.627 | 3949.336 |
| 38.0 | 3834.677 | 3834.635 | 3859.940 | 3896.843 | 3910.184 |
| 38.5 | 3802.473 | 3796.375 | 3823.893 | 3868.174 | 3880.039 |
| 39.0 | 3762.001 | 3762.113 | 3787.847 | 3832.127 | 3845.005 |
| 39.5 | 3723.159 | 3720.749 | 3751.492 | 3801.090 | 3810.708 |
| 40.0 | 3682.960 | 3685.440 | 3716.183 | 3767.257 | 3778.350 |
| 40.5 | 3643.963 | 3645.551 | 3678.507 | 3729.426 | 3745.682 |
| 41.0 | 3606.442 | 3608.613 | 3643.936 | 3697.222 | 3705.793 |
| 41.5 | 3563.139 | 3569.307 | 3607.735 | 3663.235 | 3669.438 |
| 42.0 | 3523.559 | 3530.155 | 3570.059 | 3624.821 | 3635.450 |
| 42.5 | 3485.299 | 3489.374 | 3531.491 | 3590.987 | 3599.987 |
| 43.0 | 3443.780 | 3452.590 | 3497.812 | 3557.892 | 3571.163 |
| 43.5 | 3404.629 | 3411.963 | 3457.768 | 3520.799 | 3538.067 |
| 44.0 | 3364.740 | 3372.658 | 3421.567 | 3482.968 | 3500.236 |
| 44.5 | 3323.959 | 3333.506 | 3385.367 | 3450.610 | 3467.569 |
| 45.0 | 3284.070 | 3293.462 | 3346.798 | 3413.672 | 3432.260 |
| 45.5 | 3242.551 | 3251.944 | 3308.968 | 3381.313 | 3394.001 |
| 46.0 | 3199.556 | 3212.638 | 3270.554 | 3344.375 | 3360.751 |
| 46.5 | 3159.822 | 3172.903 | 3233.615 | 3306.853 | 3324.550 |
| 47.0 | 3122.883 | 3131.230 | 3195.047 | 3270.653 | 3287.612 |
| 47.5 | 3079.306 | 3089.711 | 3156.633 | 3232.667 | 3251.994 |
| 48.0 | 3039.108 | 3050.559 | 3116.590 | 3195.883 | 3214.627 |
| 48.5 | 2997.589 | 3009.623 | 3078.176 | 3155.840 | 3177.105 |
| 49.0 | 2956.070 | 2968.842 | 3041.083 | 3122.744 | 3141.059 |
| 49.5 | 2910.863 | 2927.323 | 3001.931 | 3083.010 | 3107.071 |
| 50.0 | 2870.665 | 2887.125 | 2963.363 | 3045.179 | 3069.704 |
| 50.5 | 2827.671 | 2846.653 | 2923.474 | 3009.133 | 3033.075 |
| 51.0 | 2784.522 | 2803.350 | 2883.430 | 2968.506 | 2992.293 |
| 51.5 | 2740.635 | 2760.784 | 2843.387 | 2927.879 | 2955.664 |
| 52.0 | 2698.070 | 2718.527 | 2804.390 | 2892.261 | 2916.513 |
| 52.5 | 2655.659 | 2677.901 | 2764.346 | 2855.787 | 2880.038 |
| 53.0 | 2611.189 | 2634.597 | 2725.195 | 2812.209 | 2839.256 |
| 53.5 | 2568.778 | 2593.816 | 2686.043 | 2775.271 | 2803.210 |
| 54.0 | 2523.845 | 2552.297 | 2644.370 | 2733.014 | 2761.263 |
| 54.5 | 2477.436 | 2508.102 | 2602.113 | 2693.125 | 2722.266 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 55.0 | 2439.023 | 2466.000 | 2563.854 | 2651.178 | 2682.531 |
| 55.5 | 2394.089 | 2422.696 | 2521.597 | 2612.181 | 2643.844 |
| 56.0 | 2350.048 | 2381.177 | 2482.601 | 2572.292 | 2603.217 |
| 56.5 | 2307.054 | 2339.504 | 2439.452 | 2531.082 | 2561.698 |
| 57.0 | 2263.168 | 2297.093 | 2398.825 | 2489.718 | 2521.689 |
| 57.5 | 2219.127 | 2255.574 | 2357.306 | 2445.986 | 2478.267 |
| 58.0 | 2174.348 | 2213.163 | 2315.204 | 2404.776 | 2434.106 |
| 58.5 | 2128.832 | 2169.122 | 2272.793 | 2364.304 | 2392.313 |
| 59.0 | 2086.575 | 2127.757 | 2232.166 | 2321.619 | 2352.305 |
| 59.5 | 2041.797 | 2082.979 | 2190.802 | 2279.671 | 2313.188 |
| 60.0 | 1996.126 | 2038.938 | 2147.962 | 2238.770 | 2270.075 |
| 60.5 | 1952.240 | 1995.944 | 2104.968 | 2195.502 | 2226.807 |
| 61.0 | 1907.984 | 1954.734 | 2064.650 | 2150.604 | 2181.909 |
| 61.5 | 1863.877 | 1909.801 | 2021.965 | 2106.289 | 2137.903 |
| 62.0 | 1818.803 | 1867.699 | 1980.601 | 2063.021 | 2090.946 |
| 62.5 | 1774.400 | 1823.074 | 1939.237 | 2017.385 | 2043.990 |
| 63.0 | 1733.043 | 1781.563 | 1896.242 | 1973.225 | 1998.509 |
| 63.5 | 1687.527 | 1737.307 | 1853.403 | 1926.851 | 1952.873 |
| 64.0 | 1642.010 | 1692.307 | 1808.196 | 1880.478 | 1905.179 |
| 64.5 | 1596.346 | 1647.978 | 1763.726 | 1833.926 | 1857.866 |
| 65.0 | 1550.233 | 1603.723 | 1719.411 | 1787.172 | 1810.171 |
| 65.5 | 1504.643 | 1559.689 | 1675.923 | 1743.815 | 1761.180 |
| 66.0 | 1459.053 | 1515.182 | 1630.870 | 1697.596 | 1716.258 |
| 66.5 | 1413.315 | 1471.342 | 1586.288 | 1649.723 | 1667.827 |
| 67.0 | 1367.815 | 1427.148 | 1540.967 | 1602.410 | 1618.211 |
| 67.5 | 1322.919 | 1382.998 | 1495.177 | 1552.616 | 1570.136 |
| 68.0 | 1277.166 | 1338.967 | 1449.227 | 1504.654 | 1521.592 |
| 68.5 | 1231.949 | 1294.863 | 1404.240 | 1457.139 | 1472.220 |
| 69.0 | 1186.848 | 1251.426 | 1358.531 | 1408.326 | 1422.557 |
| 69.5 | 1142.771 | 1207.784 | 1313.470 | 1360.562 | 1371.946 |
| 70.0 | 1099.420 | 1164.867 | 1267.345 | 1311.365 | 1322.396 |
| 70.5 | 1055.816 | 1121.581 | 1221.224 | 1261.621 | 1273.086 |
| 71.0 | 1011.740 | 1078.532 | 1175.370 | 1212.898 | 1224.250 |
| 71.5 | 969.277  | 1035.661 | 1129.478 | 1165.315 | 1175.743 |
| 72.0 | 926.120  | 993.237  | 1084.384 | 1117.632 | 1127.209 |
| 72.5 | 884.014  | 951.138  | 1038.522 | 1070.026 | 1078.213 |
| 73.0 | 842.708  | 909.618  | 993.343  | 1022.256 | 1027.777 |
| 73.5 | 801.166  | 868.070  | 947.749  | 974.386  | 979.243  |
| 74.0 | 760.736  | 827.116  | 902.764  | 926.352  | 931.881  |
| 74.5 | 720.839  | 786.562  | 857.945  | 879.472  | 885.278  |
| 75.0 | 681.003  | 746.395  | 814.031  | 833.453  | 839.897  |
| 75.5 | 641.730  | 706.807  | 770.384  | 789.070  | 794.978  |
| 76.0 | 603.214  | 667.560  | 727.373  | 745.196  | 748.934  |
| 76.5 | 565.811  | 629.279  | 684.200  | 700.103  | 704.867  |
| 77.0 | 529.161  | 591.413  | 641.857  | 655.130  | 658.090  |
| 77.5 | 493.151  | 554.467  | 600.286  | 612.994  | 609.746  |
| 78.0 | 458.015  | 517.745  | 559.708  | 569.027  | 560.886  |
| 78.5 | 423.666  | 481.811  | 520.364  | 523.586  | 514.555  |
| 79.0 | 390.236  | 446.634  | 482.460  | 478.874  | 469.852  |
| 79.5 | 358.022  | 412.214  | 443.481  | 436.365  | 427.283  |
| 80.0 | 327.305  | 378.906  | 406.477  | 395.342  | 385.972  |
| 80.5 | 297.240  | 346.608  | 371.762  | 355.906  | 346.749  |
| 81.0 | 268.583  | 314.977  | 335.616  | 318.127  | 309.288  |
| 81.5 | 240.831  | 284.696  | 300.285  | 282.525  | 273.702  |
| 82.0 | 214.813  | 256.270  | 267.433  | 248.876  | 238.757  |
| 82.5 | 190.204  | 228.597  | 236.273  | 216.446  | 205.615  |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 83.0  | 166.988 | 201.918 | 206.743 | 185.066 | 175.365 |
| 83.5  | 145.432 | 176.852 | 178.617 | 156.652 | 149.505 |
| 84.0  | 125.181 | 153.417 | 152.339 | 132.542 | 128.652 |
| 84.5  | 106.442 | 131.732 | 127.653 | 113.276 | 111.458 |
| 85.0  | 89.260  | 111.839 | 105.150 | 96.912  | 95.991  |
| 85.5  | 73.649  | 92.878  | 86.197  | 82.559  | 82.003  |
| 86.0  | 59.699  | 76.214  | 71.021  | 69.327  | 69.005  |
| 86.5  | 47.469  | 61.239  | 58.181  | 57.427  | 57.920  |
| 87.0  | 36.646  | 48.231  | 46.878  | 47.188  | 47.219  |
| 87.5  | 27.574  | 36.923  | 37.321  | 37.066  | 36.961  |
| 88.0  | 20.131  | 27.731  | 28.401  | 27.758  | 27.386  |
| 88.5  | 14.276  | 20.106  | 19.924  | 18.582  | 18.195  |
| 89.0  | 9.813   | 13.398  | 12.560  | 11.680  | 11.649  |
| 89.5  | 6.418   | 8.276   | 7.187   | 7.497   | 7.602   |
| 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 : CMR4AEG-L66-950-CA-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 : CMR4AEG-L66-950-CA-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 : CMR4AEG-L66-950-CA-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 : CMR4AEG-L66-950-CA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp | %Fixt  |
|---------|----------|-------|--------|
| 0-20    | 1967.79  | N.A.  | 13.80  |
| 0-30    | 4129.63  | N.A.  | 29.10  |
| 0-40    | 6677.83  | N.A.  | 47.00  |
| 0-60    | 11551.27 | N.A.  | 81.30  |
| 0-80    | 14066.94 | N.A.  | 99.00  |
| 0-90    | 14212.89 | N.A.  | 100.00 |
| 10-90   | 13699.57 | N.A.  | 96.40  |
| 20-40   | 4710.05  | N.A.  | 33.10  |
| 20-50   | 7296.03  | N.A.  | 51.30  |
| 40-70   | 6550.09  | N.A.  | 46.10  |
| 60-80   | 2515.67  | N.A.  | 17.70  |
| 70-80   | 839.02   | N.A.  | 5.90   |
| 80-90   | 145.95   | N.A.  | 1.00   |
| 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   | 14212.89 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 513.31  |
| 10-20   | 1454.47 |
| 20-30   | 2161.85 |
| 30-40   | 2548.2  |
| 40-50   | 2585.99 |
| 50-60   | 2287.45 |
| 60-70   | 1676.65 |
| 70-80   | 839.02  |
| 80-90   | 145.95  |
| 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 : CMR4AEG-L66-950-CA-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  | 109 | 105 | 101 | 97  | 107 | 102 | 99  | 95  | 98  | 95  | 92  | 94  | 92  | 90  | 91  | 89  | 87  | 85  |
| 2  | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 86  | 81  | 77  | 83  | 79  | 75  | 80  | 76  | 73  | 71  |
| 3  | 91  | 81  | 73  | 66  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 73  | 68  | 64  | 71  | 66  | 62  | 60  |
| 4  | 83  | 72  | 63  | 56  | 81  | 70  | 62  | 56  | 68  | 61  | 55  | 65  | 59  | 55  | 63  | 58  | 54  | 52  |
| 5  | 77  | 64  | 55  | 49  | 75  | 63  | 55  | 48  | 61  | 54  | 48  | 59  | 52  | 47  | 57  | 51  | 47  | 45  |
| 6  | 71  | 58  | 49  | 43  | 69  | 57  | 48  | 42  | 55  | 48  | 42  | 53  | 47  | 42  | 52  | 46  | 41  | 39  |
| 7  | 66  | 52  | 44  | 38  | 64  | 52  | 43  | 38  | 50  | 43  | 37  | 49  | 42  | 37  | 47  | 41  | 37  | 35  |
| 8  | 61  | 48  | 39  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 33  | 45  | 38  | 33  | 43  | 37  | 33  | 31  |
| 9  | 57  | 44  | 36  | 30  | 56  | 43  | 36  | 30  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 28  |
| 10 | 54  | 41  | 33  | 28  | 52  | 40  | 33  | 28  | 39  | 32  | 27  | 38  | 32  | 27  | 37  | 31  | 27  | 25  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CMR4AEG-L66-950-CA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

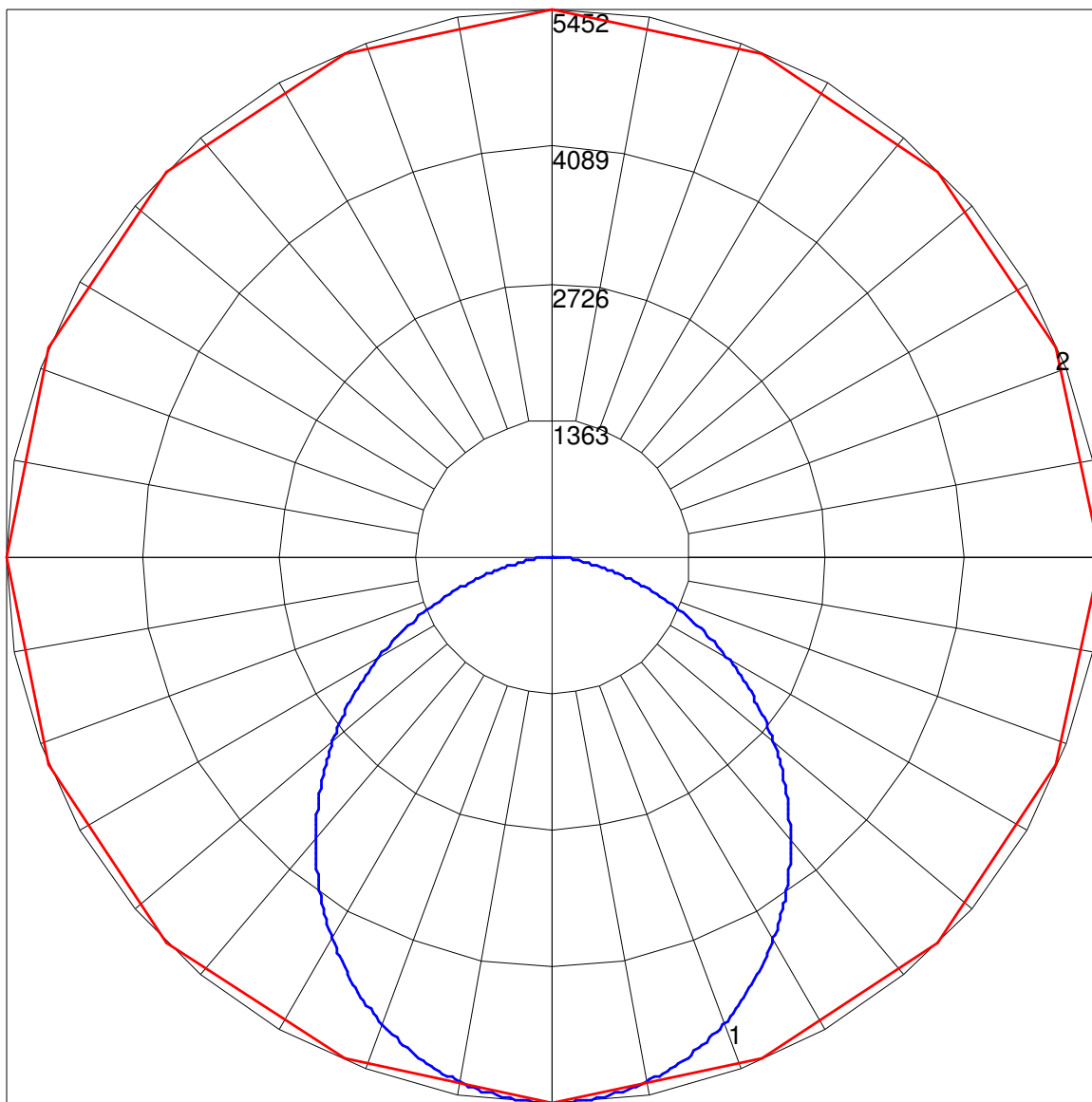
Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 18.7                 | 20.3 | 19.1 | 20.6 | 20.9 | 19.3               | 20.9 | 19.7 | 21.2 | 21.6 |
|           | 3H   | 20.2                 | 21.7 | 20.6 | 22.0 | 22.4 | 21.0               | 22.5 | 21.4 | 22.8 | 23.2 |
|           | 4H   | 20.7                 | 22.1 | 21.1 | 22.4 | 22.8 | 21.5               | 22.9 | 21.9 | 23.3 | 23.6 |
|           | 6H   | 21.0                 | 22.2 | 21.4 | 22.6 | 23.0 | 21.8               | 23.1 | 22.2 | 23.5 | 23.9 |
|           | 8H   | 21.0                 | 22.2 | 21.4 | 22.6 | 23.0 | 21.9               | 23.1 | 22.3 | 23.5 | 23.9 |
|           | 12H  | 21.0                 | 22.2 | 21.5 | 22.6 | 23.0 | 21.9               | 23.0 | 22.3 | 23.4 | 23.8 |
| 4H        | 2H   | 19.4                 | 20.8 | 19.8 | 21.1 | 21.5 | 19.9               | 21.2 | 20.3 | 21.6 | 22.0 |
|           | 3H   | 21.1                 | 22.3 | 21.6 | 22.7 | 23.1 | 21.8               | 22.9 | 22.2 | 23.3 | 23.7 |
|           | 4H   | 21.7                 | 22.7 | 22.1 | 23.1 | 23.6 | 22.4               | 23.4 | 22.8 | 23.9 | 24.3 |
|           | 6H   | 22.1                 | 22.9 | 22.5 | 23.4 | 23.8 | 22.8               | 23.7 | 23.3 | 24.1 | 24.6 |
|           | 8H   | 22.1                 | 23.0 | 22.6 | 23.4 | 23.9 | 22.8               | 23.7 | 23.3 | 24.1 | 24.6 |
|           | 12H  | 22.1                 | 22.9 | 22.6 | 23.4 | 23.8 | 22.9               | 23.6 | 23.3 | 24.1 | 24.6 |
| 8H        | 4H   | 22.0                 | 22.8 | 22.5 | 23.3 | 23.7 | 22.6               | 23.5 | 23.1 | 23.9 | 24.4 |
|           | 6H   | 22.4                 | 23.1 | 22.9 | 23.6 | 24.1 | 23.1               | 23.8 | 23.6 | 24.2 | 24.7 |
|           | 8H   | 22.5                 | 23.1 | 23.0 | 23.6 | 24.1 | 23.1               | 23.8 | 23.7 | 24.3 | 24.8 |
|           | 12H  | 22.6                 | 23.1 | 23.1 | 23.6 | 24.2 | 23.2               | 23.7 | 23.7 | 24.2 | 24.8 |
| 12H       | 4H   | 22.0                 | 22.7 | 22.5 | 23.2 | 23.7 | 22.6               | 23.4 | 23.1 | 23.9 | 24.3 |
|           | 6H   | 22.4                 | 23.1 | 23.0 | 23.5 | 24.1 | 23.1               | 23.7 | 23.6 | 24.2 | 24.7 |
|           | 8H   | 22.6                 | 23.1 | 23.1 | 23.6 | 24.2 | 23.2               | 23.7 | 23.7 | 24.2 | 24.8 |

Maximum UGR = 24.8

POLAR GRAPH



Maximum Candela = 5452.165 Located At Horizontal Angle = 0, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)