



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-100D-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 12731921.07

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 04-21-2023

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.64836

[LUMINAIRE] 8' SUSPENDED LED LUMINAIRE

[MORE] WITH FROSTED ACRYLIC LENS

[LUMCAT] SDI5-8-L16-835-DMA-100D-DIM-UNV

[LAMPCAT] HLM 80 CRI, 3500K CCT

[\_SEARCH\_SOURCETYPE] LED

[\_SEARCH\_APPLICATION] Indoor, Architectural, Classroom, Direct-Indirect

[\_SEARCH\_MOUNTING] Suspended

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 11439           |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 133             |
| Total Luminaire Watts           | 86              |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.24            |
| Spacing Criterion (90-270)      | 1.20            |
| Spacing Criterion (Diagonal)    | 1.32            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 7.90 ft         |
| Luminous Width (90-270)         | 0.40 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                  | 13433            | 12854             | 12671             |
| 55                  | 12612            | 12033             | 11823             |
| 65                  | 11554            | 10993             | 10779             |
| 75                  | 9783             | 9303              | 9057              |
| 85                  | 6157             | 6177              | 6063              |

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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  | 4343.209   | 4343.209    | 4343.209    | 4343.209    | 4343.209    |
| 0.5  | 4451.130   | 4365.797    | 4313.091    | 4309.327    | 4311.836    |
| 1.0  | 4451.130   | 4364.542    | 4311.836    | 4308.072    | 4310.581    |
| 1.5  | 4449.875   | 4363.287    | 4310.581    | 4306.817    | 4309.327    |
| 2.0  | 4447.366   | 4362.032    | 4309.327    | 4305.562    | 4306.817    |
| 2.5  | 4446.111   | 4359.523    | 4305.562    | 4303.052    | 4305.562    |
| 3.0  | 4443.601   | 4357.013    | 4303.052    | 4299.287    | 4301.797    |
| 3.5  | 4439.836   | 4353.248    | 4299.287    | 4295.523    | 4298.032    |
| 4.0  | 4436.071   | 4349.483    | 4295.523    | 4291.758    | 4294.268    |
| 4.5  | 4432.307   | 4344.464    | 4290.503    | 4286.738    | 4289.248    |
| 5.0  | 4427.287   | 4339.444    | 4285.483    | 4281.719    | 4284.229    |
| 5.5  | 4422.268   | 4334.425    | 4279.209    | 4275.444    | 4277.954    |
| 6.0  | 4415.993   | 4328.150    | 4274.189    | 4269.170    | 4271.680    |
| 6.5  | 4409.719   | 4321.876    | 4267.915    | 4262.895    | 4265.405    |
| 7.0  | 4403.444   | 4314.346    | 4260.385    | 4255.366    | 4257.876    |
| 7.5  | 4395.915   | 4308.072    | 4252.856    | 4247.836    | 4249.091    |
| 8.0  | 4387.130   | 4299.287    | 4245.327    | 4240.307    | 4241.562    |
| 8.5  | 4378.346   | 4290.503    | 4237.797    | 4231.523    | 4231.523    |
| 9.0  | 4368.307   | 4281.719    | 4229.013    | 4222.738    | 4222.738    |
| 9.5  | 4358.268   | 4272.934    | 4220.229    | 4212.699    | 4212.699    |
| 10.0 | 4348.228   | 4262.895    | 4210.189    | 4202.660    | 4201.405    |
| 10.5 | 4336.934   | 4251.601    | 4200.150    | 4191.366    | 4190.111    |
| 11.0 | 4324.385   | 4240.307    | 4188.856    | 4180.072    | 4178.817    |
| 11.5 | 4311.836   | 4229.013    | 4177.562    | 4168.778    | 4167.523    |
| 12.0 | 4299.287   | 4216.464    | 4165.013    | 4156.229    | 4154.974    |
| 12.5 | 4286.738   | 4203.915    | 4153.719    | 4143.680    | 4142.425    |
| 13.0 | 4272.934   | 4190.111    | 4139.915    | 4129.876    | 4128.621    |
| 13.5 | 4257.876   | 4176.307    | 4126.111    | 4116.072    | 4114.817    |
| 14.0 | 4244.072   | 4162.503    | 4112.307    | 4102.268    | 4101.013    |
| 14.5 | 4229.013   | 4147.444    | 4097.248    | 4087.209    | 4087.209    |
| 15.0 | 4213.954   | 4131.131    | 4080.935    | 4072.150    | 4072.150    |
| 15.5 | 4198.895   | 4116.072    | 4065.876    | 4057.092    | 4057.092    |
| 16.0 | 4182.582   | 4099.758    | 4048.307    | 4040.778    | 4042.033    |
| 16.5 | 4166.268   | 4082.190    | 4030.739    | 4023.209    | 4024.464    |
| 17.0 | 4149.954   | 4064.621    | 4013.170    | 4006.896    | 4008.151    |
| 17.5 | 4133.641   | 4047.052    | 3995.602    | 3988.072    | 3990.582    |
| 18.0 | 4116.072   | 4029.484    | 3976.778    | 3970.504    | 3971.758    |
| 18.5 | 4097.248   | 4010.660    | 3956.700    | 3951.680    | 3951.680    |
| 19.0 | 4078.425   | 3991.837    | 3937.876    | 3931.602    | 3932.857    |
| 19.5 | 4060.856   | 3973.013    | 3917.798    | 3912.778    | 3911.523    |
| 20.0 | 4040.778   | 3952.935    | 3897.719    | 3891.445    | 3891.445    |
| 20.5 | 4021.954   | 3932.857    | 3877.641    | 3871.366    | 3870.112    |
| 21.0 | 4001.876   | 3912.778    | 3856.308    | 3850.033    | 3848.778    |
| 21.5 | 3980.543   | 3892.700    | 3836.229    | 3828.700    | 3827.445    |
| 22.0 | 3960.464   | 3872.621    | 3816.151    | 3806.112    | 3804.857    |
| 22.5 | 3940.386   | 3851.288    | 3794.818    | 3784.778    | 3783.523    |
| 23.0 | 3919.053   | 3829.955    | 3774.739    | 3762.190    | 3760.935    |
| 23.5 | 3897.719   | 3808.621    | 3753.406    | 3740.857    | 3738.347    |
| 24.0 | 3876.386   | 3788.543    | 3732.073    | 3718.269    | 3715.759    |
| 24.5 | 3855.053   | 3765.955    | 3711.994    | 3695.680    | 3693.171    |
| 25.0 | 3832.465   | 3744.622    | 3689.406    | 3673.092    | 3669.328    |
| 25.5 | 3811.131   | 3723.288    | 3668.073    | 3650.504    | 3646.739    |
| 26.0 | 3788.543   | 3700.700    | 3645.484    | 3627.916    | 3622.896    |
| 26.5 | 3765.955   | 3678.112    | 3622.896    | 3604.073    | 3600.308    |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 3742.112 | 3656.779 | 3600.308 | 3581.485 | 3576.465 |
| 27.5 | 3719.524 | 3634.190 | 3577.720 | 3557.641 | 3551.367 |
| 28.0 | 3695.680 | 3610.347 | 3553.877 | 3533.798 | 3527.524 |
| 28.5 | 3673.092 | 3587.759 | 3530.034 | 3508.700 | 3503.681 |
| 29.0 | 3649.249 | 3565.171 | 3506.191 | 3484.857 | 3478.583 |
| 29.5 | 3624.151 | 3541.328 | 3482.347 | 3459.759 | 3453.485 |
| 30.0 | 3600.308 | 3517.485 | 3459.759 | 3435.916 | 3429.642 |
| 30.5 | 3576.465 | 3493.642 | 3435.916 | 3412.073 | 3404.544 |
| 31.0 | 3552.622 | 3469.798 | 3412.073 | 3386.975 | 3379.446 |
| 31.5 | 3527.524 | 3444.700 | 3386.975 | 3363.132 | 3354.348 |
| 32.0 | 3503.681 | 3420.857 | 3363.132 | 3338.034 | 3330.505 |
| 32.5 | 3478.583 | 3395.759 | 3338.034 | 3314.191 | 3305.407 |
| 33.0 | 3452.230 | 3370.661 | 3314.191 | 3290.348 | 3280.309 |
| 33.5 | 3427.132 | 3345.563 | 3289.093 | 3265.250 | 3255.211 |
| 34.0 | 3400.779 | 3319.210 | 3263.995 | 3240.152 | 3230.113 |
| 34.5 | 3373.171 | 3294.112 | 3238.897 | 3215.054 | 3205.015 |
| 35.0 | 3346.818 | 3267.760 | 3212.544 | 3189.956 | 3179.917 |
| 35.5 | 3319.210 | 3241.407 | 3187.446 | 3163.603 | 3154.819 |
| 36.0 | 3291.603 | 3213.799 | 3161.093 | 3138.505 | 3128.466 |
| 36.5 | 3263.995 | 3187.446 | 3134.740 | 3112.152 | 3102.113 |
| 37.0 | 3236.387 | 3161.093 | 3107.132 | 3084.544 | 3075.760 |
| 37.5 | 3208.779 | 3133.485 | 3079.525 | 3058.191 | 3048.152 |
| 38.0 | 3179.917 | 3105.877 | 3053.172 | 3030.583 | 3020.544 |
| 38.5 | 3151.054 | 3078.270 | 3025.564 | 3001.721 | 2992.936 |
| 39.0 | 3122.191 | 3050.662 | 2997.956 | 2974.113 | 2964.074 |
| 39.5 | 3094.583 | 3021.799 | 2969.093 | 2945.250 | 2935.211 |
| 40.0 | 3065.721 | 2994.191 | 2941.486 | 2916.388 | 2906.348 |
| 40.5 | 3036.858 | 2965.329 | 2912.623 | 2887.525 | 2877.486 |
| 41.0 | 3007.995 | 2936.466 | 2883.760 | 2857.407 | 2847.368 |
| 41.5 | 2977.878 | 2907.603 | 2854.897 | 2828.545 | 2817.250 |
| 42.0 | 2947.760 | 2877.486 | 2826.035 | 2798.427 | 2788.388 |
| 42.5 | 2917.642 | 2848.623 | 2795.917 | 2768.309 | 2758.270 |
| 43.0 | 2887.525 | 2818.505 | 2765.800 | 2739.447 | 2728.153 |
| 43.5 | 2856.152 | 2787.133 | 2735.682 | 2709.329 | 2698.035 |
| 44.0 | 2824.780 | 2757.015 | 2705.564 | 2677.957 | 2667.917 |
| 44.5 | 2793.407 | 2725.643 | 2675.447 | 2647.839 | 2636.545 |
| 45.0 | 2763.290 | 2695.525 | 2644.074 | 2617.721 | 2606.427 |
| 45.5 | 2730.662 | 2664.153 | 2612.702 | 2587.604 | 2575.055 |
| 46.0 | 2698.035 | 2632.780 | 2581.329 | 2556.231 | 2544.937 |
| 46.5 | 2665.408 | 2601.408 | 2551.212 | 2524.859 | 2513.565 |
| 47.0 | 2632.780 | 2568.780 | 2519.839 | 2493.486 | 2482.192 |
| 47.5 | 2600.153 | 2537.408 | 2487.212 | 2462.114 | 2450.820 |
| 48.0 | 2567.525 | 2504.780 | 2455.839 | 2430.741 | 2419.447 |
| 48.5 | 2534.898 | 2473.408 | 2424.467 | 2399.369 | 2388.075 |
| 49.0 | 2502.271 | 2440.780 | 2393.094 | 2367.996 | 2356.702 |
| 49.5 | 2468.388 | 2409.408 | 2361.722 | 2336.624 | 2325.330 |
| 50.0 | 2435.761 | 2376.781 | 2329.094 | 2305.251 | 2293.957 |
| 50.5 | 2403.133 | 2345.408 | 2297.722 | 2272.624 | 2261.330 |
| 51.0 | 2369.251 | 2312.781 | 2265.094 | 2241.251 | 2229.957 |
| 51.5 | 2336.624 | 2280.153 | 2233.722 | 2208.624 | 2197.330 |
| 52.0 | 2303.996 | 2247.526 | 2202.349 | 2177.251 | 2164.702 |
| 52.5 | 2271.369 | 2214.898 | 2169.722 | 2144.624 | 2133.330 |
| 53.0 | 2238.742 | 2182.271 | 2137.095 | 2113.252 | 2101.957 |
| 53.5 | 2204.859 | 2150.899 | 2104.467 | 2080.624 | 2069.330 |
| 54.0 | 2172.232 | 2118.271 | 2071.840 | 2049.252 | 2037.958 |
| 54.5 | 2138.350 | 2085.644 | 2040.467 | 2016.624 | 2005.330 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 55.0 | 2104.467 | 2053.016 | 2007.840 | 1985.252 | 1972.703 |
| 55.5 | 2071.840 | 2020.389 | 1975.213 | 1952.624 | 1941.330 |
| 56.0 | 2039.212 | 1987.762 | 1942.585 | 1921.252 | 1908.703 |
| 56.5 | 2005.330 | 1953.879 | 1909.958 | 1888.624 | 1877.330 |
| 57.0 | 1971.448 | 1921.252 | 1877.330 | 1855.997 | 1847.213 |
| 57.5 | 1937.566 | 1888.624 | 1844.703 | 1824.625 | 1813.330 |
| 58.0 | 1903.683 | 1855.997 | 1813.330 | 1791.997 | 1781.958 |
| 58.5 | 1868.546 | 1822.115 | 1780.703 | 1759.370 | 1749.331 |
| 59.0 | 1833.409 | 1789.487 | 1746.821 | 1727.997 | 1716.703 |
| 59.5 | 1799.527 | 1755.605 | 1714.193 | 1695.370 | 1684.076 |
| 60.0 | 1764.389 | 1722.978 | 1682.821 | 1662.742 | 1651.448 |
| 60.5 | 1730.507 | 1689.095 | 1648.939 | 1630.115 | 1618.821 |
| 61.0 | 1696.625 | 1656.468 | 1616.311 | 1597.488 | 1586.194 |
| 61.5 | 1661.488 | 1622.586 | 1583.684 | 1564.860 | 1553.566 |
| 62.0 | 1627.605 | 1588.703 | 1551.056 | 1532.233 | 1520.939 |
| 62.5 | 1592.468 | 1556.076 | 1517.174 | 1499.605 | 1488.311 |
| 63.0 | 1558.586 | 1522.194 | 1484.547 | 1465.723 | 1455.684 |
| 63.5 | 1523.449 | 1488.311 | 1450.664 | 1433.096 | 1423.057 |
| 64.0 | 1489.566 | 1454.429 | 1418.037 | 1400.468 | 1390.429 |
| 64.5 | 1455.684 | 1420.547 | 1384.155 | 1367.841 | 1357.802 |
| 65.0 | 1420.547 | 1387.919 | 1351.527 | 1335.214 | 1325.174 |
| 65.5 | 1386.664 | 1354.037 | 1317.645 | 1301.331 | 1293.802 |
| 66.0 | 1351.527 | 1320.155 | 1285.018 | 1268.704 | 1261.174 |
| 66.5 | 1317.645 | 1286.272 | 1251.763 | 1235.449 | 1227.920 |
| 67.0 | 1282.508 | 1253.143 | 1218.633 | 1202.822 | 1195.041 |
| 67.5 | 1247.998 | 1219.888 | 1185.755 | 1170.069 | 1162.163 |
| 68.0 | 1213.363 | 1186.257 | 1152.751 | 1137.567 | 1129.661 |
| 68.5 | 1178.728 | 1152.626 | 1119.873 | 1104.814 | 1097.034 |
| 69.0 | 1144.469 | 1119.371 | 1086.994 | 1072.438 | 1064.406 |
| 69.5 | 1109.708 | 1085.739 | 1054.492 | 1039.936 | 1031.904 |
| 70.0 | 1075.073 | 1052.234 | 1021.991 | 1007.685 | 999.653  |
| 70.5 | 1040.061 | 1018.728 | 989.614  | 975.559  | 967.402  |
| 71.0 | 1006.053 | 985.598  | 957.740  | 943.559  | 934.775  |
| 71.5 | 972.297  | 952.218  | 925.238  | 911.308  | 902.524  |
| 72.0 | 938.289  | 919.089  | 892.736  | 879.057  | 870.399  |
| 72.5 | 904.406  | 885.959  | 860.610  | 846.807  | 838.399  |
| 73.0 | 870.524  | 852.705  | 828.359  | 814.430  | 806.399  |
| 73.5 | 836.767  | 819.450  | 796.360  | 782.430  | 774.775  |
| 74.0 | 803.261  | 786.446  | 764.109  | 750.932  | 743.528  |
| 74.5 | 769.881  | 753.818  | 732.234  | 719.434  | 712.783  |
| 75.0 | 736.626  | 721.191  | 700.485  | 688.062  | 681.913  |
| 75.5 | 703.497  | 689.066  | 668.987  | 657.066  | 651.544  |
| 76.0 | 670.619  | 657.317  | 637.866  | 626.572  | 621.175  |
| 76.5 | 638.493  | 625.442  | 606.870  | 595.952  | 591.058  |
| 77.0 | 606.242  | 594.070  | 576.125  | 565.709  | 561.191  |
| 77.5 | 574.368  | 562.697  | 545.631  | 535.717  | 531.701  |
| 78.0 | 542.619  | 531.827  | 515.638  | 506.227  | 502.587  |
| 78.5 | 511.121  | 501.333  | 485.897  | 477.238  | 473.725  |
| 79.0 | 479.999  | 471.215  | 456.658  | 448.501  | 445.239  |
| 79.5 | 449.129  | 441.599  | 428.046  | 420.642  | 417.254  |
| 80.0 | 418.760  | 412.360  | 399.811  | 393.035  | 389.521  |
| 80.5 | 389.144  | 383.623  | 371.952  | 365.929  | 362.415  |
| 81.0 | 360.156  | 355.388  | 344.972  | 339.450  | 336.062  |
| 81.5 | 331.545  | 327.654  | 318.745  | 313.474  | 310.337  |
| 82.0 | 303.686  | 300.925  | 293.019  | 288.251  | 285.239  |
| 82.5 | 276.580  | 274.698  | 268.047  | 263.905  | 260.894  |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 83.0  | 250.478 | 249.474 | 243.953 | 240.439 | 237.553 |
| 83.5  | 225.004 | 225.129 | 220.611 | 217.600 | 214.964 |
| 84.0  | 201.160 | 202.039 | 198.274 | 195.764 | 193.631 |
| 84.5  | 178.070 | 179.702 | 177.066 | 175.059 | 173.176 |
| 85.0  | 156.110 | 158.745 | 156.612 | 155.231 | 153.725 |
| 85.5  | 135.655 | 138.792 | 137.412 | 136.533 | 135.529 |
| 86.0  | 115.827 | 119.843 | 119.215 | 118.839 | 118.086 |
| 86.5  | 96.878  | 101.772 | 102.023 | 102.149 | 101.898 |
| 87.0  | 79.059  | 84.580  | 85.710  | 86.463  | 86.463  |
| 87.5  | 62.870  | 68.267  | 70.023  | 71.655  | 71.906  |
| 88.0  | 47.561  | 53.082  | 55.216  | 57.976  | 58.353  |
| 88.5  | 33.506  | 38.902  | 41.035  | 44.047  | 44.549  |
| 89.0  | 19.827  | 25.223  | 26.227  | 28.235  | 28.988  |
| 89.5  | 8.282   | 12.047  | 11.545  | 11.796  | 12.424  |
| 90.0  | 1.631   | 3.890   | 3.012   | 2.384   | 1.882   |
| 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 : SDI5-8-L16-835-DMA-100D-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 : SDI5-8-L16-835-DMA-100D-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 : SDI5-8-L16-835-DMA-100D-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 : SDI5-8-L16-835-DMA-100D-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp | %Fixt  |
|---------|----------|-------|--------|
| 0-20    | 1566.57  | N.A.  | 13.70  |
| 0-30    | 3277.96  | N.A.  | 28.70  |
| 0-40    | 5299.63  | N.A.  | 46.30  |
| 0-60    | 9157.42  | N.A.  | 80.10  |
| 0-80    | 11251.66 | N.A.  | 98.40  |
| 0-90    | 11439.21 | N.A.  | 100.00 |
| 10-90   | 11029.74 | N.A.  | 96.40  |
| 20-40   | 3733.06  | N.A.  | 32.60  |
| 20-50   | 5784.08  | N.A.  | 50.60  |
| 40-70   | 5204.97  | N.A.  | 45.50  |
| 60-80   | 2094.25  | N.A.  | 18.30  |
| 70-80   | 747.06   | N.A.  | 6.50   |
| 80-90   | 187.55   | N.A.  | 1.60   |
| 90-110  | 0.08     | N.A.  | 0.00   |
| 90-120  | 0.08     | N.A.  | 0.00   |
| 90-130  | 0.08     | N.A.  | 0.00   |
| 90-150  | 0.08     | N.A.  | 0.00   |
| 90-180  | 0.08     | N.A.  | 0.00   |
| 110-180 | 0.00     | N.A.  | 0.00   |
| 0-180   | 11439.28 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 409.47  |
| 10-20   | 1157.1  |
| 20-30   | 1711.39 |
| 30-40   | 2021.67 |
| 40-50   | 2051.01 |
| 50-60   | 1806.77 |
| 60-70   | 1347.18 |
| 70-80   | 747.06  |
| 80-90   | 187.55  |
| 90-100  | 0.08    |
| 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 : SDI5-8-L16-835-DMA-100D-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 | 104 | 100 | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 92  | 94  | 91  | 89  | 90  | 88  | 86  | 84  |
| 2  | 99  | 91  | 84  | 79  | 97  | 89  | 83  | 78  | 86  | 80  | 76  | 82  | 78  | 74  | 79  | 76  | 73  | 70  |
| 3  | 91  | 80  | 72  | 66  | 88  | 79  | 71  | 65  | 76  | 69  | 64  | 73  | 67  | 63  | 70  | 66  | 62  | 59  |
| 4  | 83  | 71  | 62  | 56  | 81  | 70  | 62  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 57  | 53  | 51  |
| 5  | 76  | 64  | 55  | 48  | 74  | 62  | 54  | 48  | 60  | 53  | 47  | 58  | 52  | 47  | 57  | 51  | 46  | 44  |
| 6  | 71  | 57  | 48  | 42  | 69  | 56  | 48  | 42  | 55  | 47  | 42  | 53  | 46  | 41  | 51  | 45  | 41  | 39  |
| 7  | 65  | 52  | 43  | 37  | 64  | 51  | 43  | 37  | 50  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 36  | 34  |
| 8  | 61  | 48  | 39  | 33  | 59  | 47  | 39  | 33  | 46  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 31  |
| 9  | 57  | 44  | 36  | 30  | 56  | 43  | 35  | 30  | 42  | 35  | 30  | 41  | 34  | 30  | 40  | 34  | 29  | 28  |
| 10 | 53  | 40  | 32  | 27  | 52  | 40  | 32  | 27  | 39  | 32  | 27  | 38  | 31  | 27  | 37  | 31  | 27  | 25  |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-100D-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

| X=2H | Y=2H | 20.9 | 22.5 | 21.3 | 22.8 | 23.2 | 20.6 | 22.2 | 21.0 | 22.6 | 22.9 |
|------|------|------|------|------|------|------|------|------|------|------|------|
|      | 3H   | 22.7 | 24.2 | 23.1 | 24.5 | 24.8 | 22.4 | 23.8 | 22.7 | 24.1 | 24.5 |
|      | 4H   | 23.3 | 24.7 | 23.7 | 25.1 | 25.4 | 23.0 | 24.4 | 23.4 | 24.7 | 25.1 |
|      | 6H   | 23.8 | 25.0 | 24.2 | 25.4 | 25.8 | 23.4 | 24.7 | 23.8 | 25.0 | 25.4 |
|      | 8H   | 23.9 | 25.1 | 24.3 | 25.5 | 25.9 | 23.5 | 24.7 | 23.9 | 25.1 | 25.5 |
|      | 12H  | 24.0 | 25.1 | 24.4 | 25.5 | 25.9 | 23.6 | 24.8 | 24.0 | 25.1 | 25.6 |

### UGR Viewed Endwise

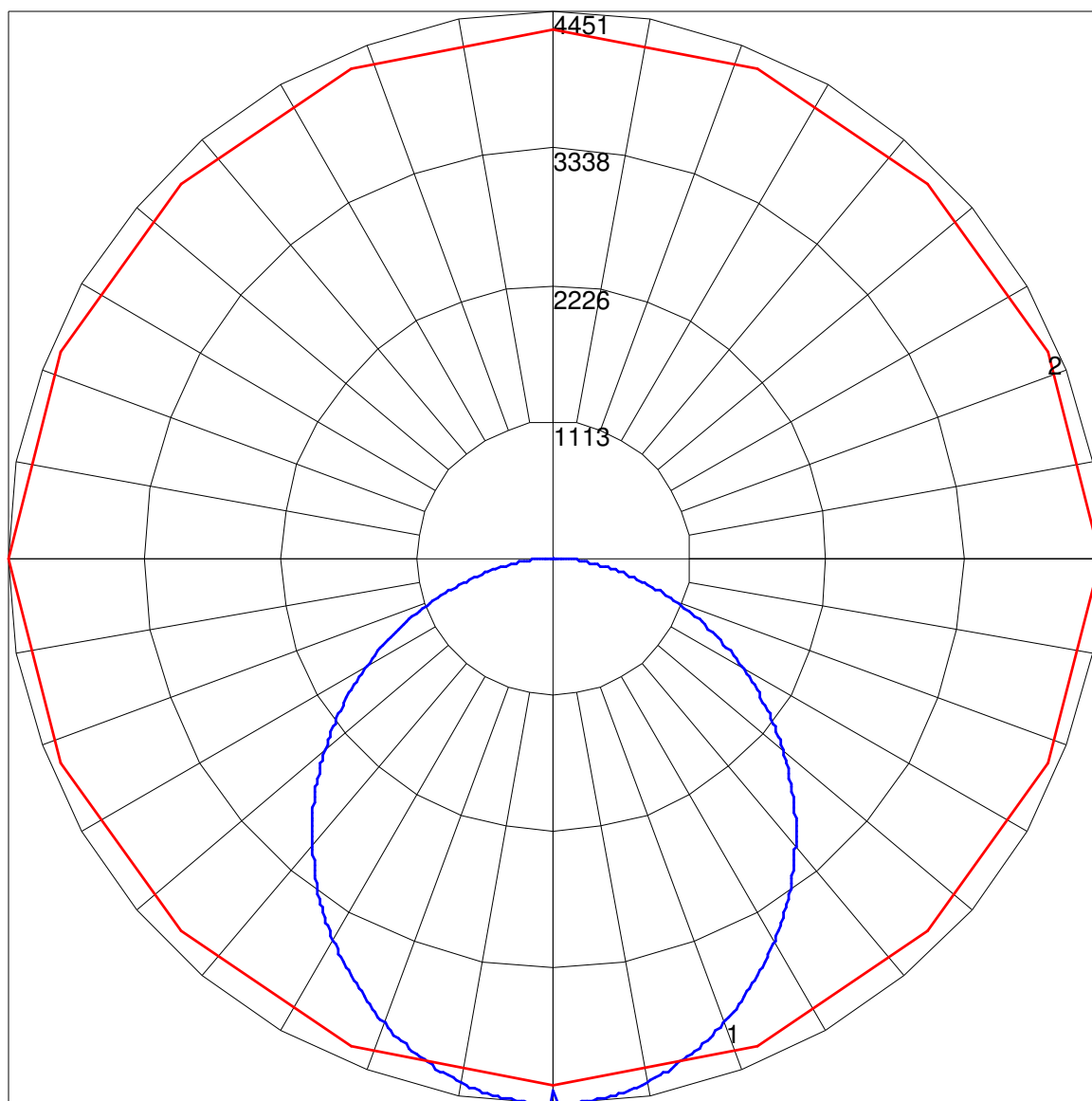
|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H  | 21.5 | 22.9 | 21.9 | 23.2 | 23.6 | 21.3 | 22.6 | 21.7 | 23.0 | 23.4 |
|    | 3H  | 23.5 | 24.6 | 23.9 | 25.0 | 25.4 | 23.2 | 24.4 | 23.6 | 24.8 | 25.2 |
|    | 4H  | 24.3 | 25.3 | 24.7 | 25.7 | 26.1 | 24.0 | 25.0 | 24.4 | 25.4 | 25.8 |
|    | 6H  | 24.8 | 25.7 | 25.3 | 26.2 | 26.6 | 24.5 | 25.4 | 24.9 | 25.8 | 26.3 |
|    | 8H  | 25.0 | 25.8 | 25.4 | 26.3 | 26.7 | 24.6 | 25.5 | 25.1 | 25.9 | 26.4 |
|    | 12H | 25.1 | 25.8 | 25.6 | 26.3 | 26.8 | 24.7 | 25.5 | 25.2 | 26.0 | 26.5 |

|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H  | 24.5 | 25.4 | 25.0 | 25.8 | 26.3 | 24.2 | 25.1 | 24.7 | 25.5 | 26.0 |
|    | 6H  | 25.2 | 25.9 | 25.7 | 26.4 | 26.9 | 24.9 | 25.6 | 25.4 | 26.1 | 26.6 |
|    | 8H  | 25.4 | 26.0 | 25.9 | 26.5 | 27.0 | 25.1 | 25.7 | 25.6 | 26.2 | 26.7 |
|    | 12H | 25.6 | 26.1 | 26.1 | 26.6 | 27.2 | 25.3 | 25.8 | 25.8 | 26.3 | 26.9 |

|     |    |      |      |      |      |      |      |      |      |      |      |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 24.5 | 25.3 | 25.0 | 25.8 | 26.2 | 24.3 | 25.0 | 24.7 | 25.5 | 26.0 |
|     | 6H | 25.2 | 25.9 | 25.7 | 26.3 | 26.9 | 24.9 | 25.6 | 25.5 | 26.0 | 26.6 |
|     | 8H | 25.5 | 26.1 | 26.0 | 26.5 | 27.1 | 25.2 | 25.8 | 25.7 | 26.3 | 26.8 |

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 4451.13 Located At Horizontal Angle = 0, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)