



IES INDOOR REPORT

PHOTOMETRIC FILENAME : DILG-S24-L65-8TW-FAD-DIM-UNV 4000K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL#12609413.02A

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 06-MAR-2020

[MANUFAC] H E Williams Inc

[LUMCAT] DILG-S24-L65/8TW-AD-DIM-UNV 4000k

[LUMINAIRE] White formed steel housing, clear lens enclosure, frosted

[MORE] internal lens, acrylic diffuser

[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 | 6596 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 126 |
| Total Luminaire Watts | 52.5 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.26 |
| Spacing Criterion (Diagonal) | 1.34 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 3.77 ft |
| Luminous Width (90-270) | 1.77 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 3397 | 3598 | 3809 |
| 55 | 3015 | 3308 | 3671 |
| 65 | 2532 | 2961 | 3329 |
| 75 | 1793 | 2036 | 2071 |
| 85 | 693 | 770 | 769 |

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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 | 2547.744 | 2547.744 | 2547.744 | 2547.744 | 2547.744 |
| 0.5 | 2585.703 | 2560.397 | 2537.324 | 2532.858 | 2534.347 |
| 1.0 | 2584.959 | 2559.653 | 2537.324 | 2532.858 | 2533.602 |
| 1.5 | 2584.215 | 2558.909 | 2536.580 | 2532.114 | 2532.858 |
| 2.0 | 2583.470 | 2558.164 | 2535.091 | 2531.369 | 2532.114 |
| 2.5 | 2581.982 | 2556.676 | 2534.347 | 2529.881 | 2531.369 |
| 3.0 | 2580.493 | 2555.187 | 2532.858 | 2529.136 | 2529.881 |
| 3.5 | 2579.005 | 2553.698 | 2530.625 | 2527.648 | 2528.392 |
| 4.0 | 2576.772 | 2551.466 | 2529.136 | 2525.415 | 2526.904 |
| 4.5 | 2573.795 | 2548.488 | 2526.904 | 2523.182 | 2524.671 |
| 5.0 | 2570.817 | 2546.255 | 2523.926 | 2520.949 | 2522.438 |
| 5.5 | 2567.840 | 2542.534 | 2520.949 | 2518.716 | 2520.205 |
| 6.0 | 2564.119 | 2538.812 | 2517.972 | 2515.739 | 2517.228 |
| 6.5 | 2559.653 | 2535.091 | 2514.995 | 2512.762 | 2514.250 |
| 7.0 | 2555.187 | 2531.369 | 2511.273 | 2509.785 | 2511.273 |
| 7.5 | 2550.721 | 2526.904 | 2507.552 | 2506.063 | 2507.552 |
| 8.0 | 2545.511 | 2521.693 | 2503.086 | 2502.342 | 2503.830 |
| 8.5 | 2539.557 | 2516.483 | 2498.620 | 2498.620 | 2500.109 |
| 9.0 | 2533.602 | 2511.273 | 2494.154 | 2494.899 | 2495.643 |
| 9.5 | 2526.904 | 2505.319 | 2488.944 | 2489.689 | 2491.177 |
| 10.0 | 2520.205 | 2498.620 | 2483.734 | 2485.223 | 2486.711 |
| 10.5 | 2513.506 | 2492.666 | 2478.524 | 2480.013 | 2482.245 |
| 11.0 | 2506.063 | 2485.967 | 2472.570 | 2474.802 | 2477.035 |
| 11.5 | 2498.620 | 2478.524 | 2465.871 | 2469.592 | 2471.825 |
| 12.0 | 2490.433 | 2471.081 | 2459.916 | 2463.638 | 2466.615 |
| 12.5 | 2482.245 | 2463.638 | 2452.473 | 2457.684 | 2461.405 |
| 13.0 | 2473.314 | 2455.451 | 2445.775 | 2451.729 | 2455.451 |
| 13.5 | 2464.382 | 2446.519 | 2438.332 | 2445.030 | 2449.496 |
| 14.0 | 2455.451 | 2438.332 | 2430.144 | 2438.332 | 2443.542 |
| 14.5 | 2446.519 | 2429.400 | 2421.957 | 2431.633 | 2436.843 |
| 15.0 | 2436.843 | 2419.724 | 2413.770 | 2424.190 | 2430.144 |
| 15.5 | 2426.423 | 2410.048 | 2405.582 | 2416.747 | 2423.446 |
| 16.0 | 2416.747 | 2400.372 | 2396.651 | 2408.560 | 2416.003 |
| 16.5 | 2406.327 | 2390.696 | 2386.975 | 2400.372 | 2408.560 |
| 17.0 | 2395.907 | 2380.276 | 2377.299 | 2392.185 | 2401.117 |
| 17.5 | 2384.742 | 2369.112 | 2367.623 | 2383.998 | 2392.185 |
| 18.0 | 2373.577 | 2358.691 | 2357.947 | 2375.066 | 2383.998 |
| 18.5 | 2362.413 | 2347.527 | 2347.527 | 2366.134 | 2375.066 |
| 19.0 | 2350.504 | 2335.618 | 2337.107 | 2356.459 | 2366.134 |
| 19.5 | 2338.595 | 2324.454 | 2326.686 | 2346.783 | 2357.203 |
| 20.0 | 2325.942 | 2312.545 | 2316.266 | 2337.107 | 2347.527 |
| 20.5 | 2314.033 | 2300.636 | 2305.102 | 2326.686 | 2338.595 |
| 21.0 | 2301.380 | 2288.727 | 2293.937 | 2317.011 | 2328.175 |
| 21.5 | 2288.727 | 2276.074 | 2282.773 | 2306.590 | 2318.499 |
| 22.0 | 2275.330 | 2263.421 | 2271.608 | 2296.170 | 2308.079 |
| 22.5 | 2261.932 | 2250.768 | 2259.699 | 2285.750 | 2297.659 |
| 23.0 | 2248.535 | 2238.115 | 2248.535 | 2274.585 | 2287.983 |
| 23.5 | 2235.137 | 2224.717 | 2236.626 | 2264.165 | 2277.563 |
| 24.0 | 2220.996 | 2212.064 | 2224.717 | 2253.001 | 2266.398 |
| 24.5 | 2206.854 | 2198.667 | 2212.808 | 2241.836 | 2255.978 |
| 25.0 | 2192.712 | 2184.525 | 2200.155 | 2230.672 | 2244.813 |
| 25.5 | 2178.570 | 2171.127 | 2187.502 | 2219.507 | 2233.649 |
| 26.0 | 2163.684 | 2157.730 | 2174.849 | 2207.598 | 2222.484 |
| 26.5 | 2149.543 | 2143.588 | 2162.196 | 2196.434 | 2211.320 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 27.0 | 2134.657 | 2129.447 | 2149.543 | 2184.525 | 2200.155 |
| 27.5 | 2119.026 | 2114.561 | 2136.145 | 2172.616 | 2188.246 |
| 28.0 | 2104.140 | 2100.419 | 2123.492 | 2159.963 | 2176.338 |
| 28.5 | 2089.254 | 2085.533 | 2110.095 | 2148.054 | 2164.429 |
| 29.0 | 2072.135 | 2070.647 | 2096.697 | 2135.401 | 2153.264 |
| 29.5 | 2056.505 | 2055.761 | 2083.300 | 2122.748 | 2140.611 |
| 30.0 | 2040.130 | 2040.875 | 2069.158 | 2110.839 | 2128.702 |
| 30.5 | 2024.500 | 2025.244 | 2055.761 | 2098.186 | 2116.793 |
| 31.0 | 2008.125 | 2010.358 | 2041.619 | 2085.533 | 2104.885 |
| 31.5 | 1991.751 | 1994.728 | 2028.222 | 2072.135 | 2092.232 |
| 32.0 | 1975.376 | 1978.353 | 2014.080 | 2059.482 | 2080.323 |
| 32.5 | 1959.746 | 1962.723 | 1999.194 | 2046.829 | 2067.670 |
| 33.0 | 1942.627 | 1947.093 | 1985.052 | 2033.432 | 2055.016 |
| 33.5 | 1926.252 | 1930.718 | 1970.166 | 2020.034 | 2042.363 |
| 34.0 | 1909.133 | 1914.343 | 1955.280 | 2006.637 | 2028.966 |
| 34.5 | 1892.014 | 1897.969 | 1940.394 | 1992.495 | 2016.313 |
| 35.0 | 1874.895 | 1881.594 | 1924.764 | 1978.353 | 2002.915 |
| 35.5 | 1857.777 | 1864.475 | 1909.133 | 1964.212 | 1988.774 |
| 36.0 | 1839.913 | 1847.356 | 1893.503 | 1950.070 | 1974.632 |
| 36.5 | 1822.050 | 1830.237 | 1877.873 | 1935.184 | 1960.490 |
| 37.0 | 1803.443 | 1813.118 | 1862.242 | 1920.298 | 1945.604 |
| 37.5 | 1784.835 | 1796.000 | 1845.868 | 1905.412 | 1929.974 |
| 38.0 | 1766.227 | 1778.136 | 1829.493 | 1889.782 | 1914.343 |
| 38.5 | 1747.620 | 1760.273 | 1813.118 | 1873.407 | 1898.713 |
| 39.0 | 1728.268 | 1742.410 | 1796.744 | 1857.777 | 1882.338 |
| 39.5 | 1709.661 | 1724.547 | 1779.625 | 1841.402 | 1865.220 |
| 40.0 | 1689.564 | 1705.939 | 1762.506 | 1824.283 | 1848.101 |
| 40.5 | 1670.213 | 1688.076 | 1745.387 | 1807.164 | 1830.982 |
| 41.0 | 1650.861 | 1668.724 | 1727.524 | 1789.301 | 1813.118 |
| 41.5 | 1631.509 | 1650.116 | 1709.661 | 1772.182 | 1794.511 |
| 42.0 | 1611.413 | 1630.765 | 1691.797 | 1753.574 | 1775.903 |
| 42.5 | 1592.061 | 1612.157 | 1673.934 | 1734.967 | 1758.040 |
| 43.0 | 1571.220 | 1592.061 | 1655.327 | 1716.359 | 1740.177 |
| 43.5 | 1551.869 | 1573.453 | 1637.463 | 1697.007 | 1723.058 |
| 44.0 | 1531.772 | 1553.357 | 1618.111 | 1677.656 | 1706.683 |
| 44.5 | 1511.676 | 1533.261 | 1599.504 | 1658.304 | 1689.564 |
| 45.0 | 1491.580 | 1513.909 | 1580.152 | 1638.952 | 1672.445 |
| 45.5 | 1470.740 | 1493.813 | 1560.800 | 1621.089 | 1655.327 |
| 46.0 | 1450.644 | 1473.717 | 1541.448 | 1603.225 | 1638.952 |
| 46.5 | 1430.547 | 1454.365 | 1522.097 | 1585.362 | 1621.833 |
| 47.0 | 1409.707 | 1434.269 | 1502.745 | 1567.499 | 1604.714 |
| 47.5 | 1388.867 | 1414.173 | 1482.649 | 1549.636 | 1588.339 |
| 48.0 | 1368.770 | 1393.332 | 1462.552 | 1531.772 | 1571.965 |
| 48.5 | 1347.186 | 1373.236 | 1442.456 | 1513.909 | 1556.334 |
| 49.0 | 1327.090 | 1353.140 | 1422.360 | 1496.046 | 1539.215 |
| 49.5 | 1305.505 | 1333.044 | 1401.520 | 1478.183 | 1522.097 |
| 50.0 | 1284.664 | 1312.948 | 1381.424 | 1461.064 | 1503.489 |
| 50.5 | 1263.824 | 1292.107 | 1360.583 | 1443.945 | 1484.137 |
| 51.0 | 1242.239 | 1272.011 | 1339.743 | 1426.826 | 1464.041 |
| 51.5 | 1221.399 | 1251.171 | 1318.902 | 1409.707 | 1445.434 |
| 52.0 | 1199.814 | 1231.075 | 1298.062 | 1391.099 | 1426.082 |
| 52.5 | 1178.974 | 1210.234 | 1277.221 | 1371.748 | 1406.730 |
| 53.0 | 1158.133 | 1190.138 | 1257.125 | 1351.652 | 1386.634 |
| 53.5 | 1137.293 | 1169.298 | 1237.029 | 1332.300 | 1367.282 |
| 54.0 | 1115.708 | 1149.202 | 1217.677 | 1312.204 | 1347.186 |
| 54.5 | 1094.868 | 1128.361 | 1198.325 | 1292.107 | 1327.090 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 55.0 | 1074.027 | 1107.521 | 1178.229 | 1272.011 | 1307.738 |
| 55.5 | 1053.931 | 1087.424 | 1158.877 | 1251.915 | 1287.642 |
| 56.0 | 1033.090 | 1066.584 | 1139.526 | 1231.075 | 1268.290 |
| 56.5 | 1012.250 | 1046.488 | 1120.918 | 1210.979 | 1248.938 |
| 57.0 | 992.154 | 1025.647 | 1101.566 | 1190.138 | 1228.842 |
| 57.5 | 971.313 | 1004.807 | 1082.959 | 1170.786 | 1208.746 |
| 58.0 | 951.217 | 984.711 | 1064.351 | 1150.690 | 1188.649 |
| 58.5 | 930.377 | 963.870 | 1046.488 | 1130.594 | 1168.553 |
| 59.0 | 910.281 | 943.774 | 1027.136 | 1109.754 | 1148.457 |
| 59.5 | 889.440 | 923.678 | 1007.784 | 1089.657 | 1128.361 |
| 60.0 | 868.600 | 902.838 | 986.944 | 1068.817 | 1108.265 |
| 60.5 | 848.504 | 882.742 | 965.359 | 1048.721 | 1088.913 |
| 61.0 | 827.663 | 861.901 | 944.519 | 1027.880 | 1069.561 |
| 61.5 | 807.567 | 841.805 | 923.678 | 1007.784 | 1050.954 |
| 62.0 | 786.727 | 820.965 | 902.838 | 986.944 | 1033.090 |
| 62.5 | 766.631 | 800.868 | 881.253 | 966.848 | 1012.250 |
| 63.0 | 745.790 | 780.028 | 860.413 | 946.752 | 986.944 |
| 63.5 | 725.396 | 759.932 | 838.828 | 928.144 | 960.149 |
| 64.0 | 705.002 | 738.943 | 818.732 | 909.536 | 932.610 |
| 64.5 | 684.757 | 718.474 | 797.891 | 887.952 | 903.582 |
| 65.0 | 664.587 | 697.932 | 777.051 | 862.645 | 873.810 |
| 65.5 | 644.342 | 677.389 | 756.955 | 835.851 | 841.805 |
| 66.0 | 624.246 | 656.623 | 736.114 | 808.311 | 811.289 |
| 66.5 | 604.522 | 636.080 | 715.199 | 780.028 | 779.284 |
| 67.0 | 585.095 | 615.537 | 694.433 | 749.512 | 745.790 |
| 67.5 | 565.818 | 595.143 | 673.891 | 720.112 | 711.329 |
| 68.0 | 546.615 | 575.419 | 653.422 | 690.042 | 675.379 |
| 68.5 | 527.263 | 555.844 | 633.177 | 658.856 | 644.267 |
| 69.0 | 508.135 | 536.716 | 613.602 | 626.702 | 618.589 |
| 69.5 | 489.304 | 517.885 | 594.771 | 593.804 | 594.399 |
| 70.0 | 470.175 | 499.277 | 575.047 | 563.287 | 571.103 |
| 70.5 | 451.419 | 481.042 | 552.272 | 537.832 | 547.583 |
| 71.0 | 432.662 | 463.179 | 528.007 | 514.759 | 523.914 |
| 71.5 | 414.055 | 445.688 | 503.371 | 492.132 | 499.873 |
| 72.0 | 395.596 | 428.643 | 477.693 | 469.878 | 475.534 |
| 72.5 | 377.435 | 411.450 | 452.089 | 447.474 | 451.344 |
| 73.0 | 359.274 | 392.172 | 426.485 | 425.071 | 426.782 |
| 73.5 | 341.188 | 372.300 | 400.509 | 402.518 | 402.593 |
| 74.0 | 323.325 | 353.022 | 374.160 | 379.966 | 378.775 |
| 74.5 | 305.610 | 334.117 | 349.003 | 357.637 | 355.553 |
| 75.0 | 288.268 | 315.807 | 327.195 | 335.382 | 332.926 |
| 75.5 | 271.298 | 298.167 | 307.769 | 313.798 | 311.044 |
| 76.0 | 254.774 | 280.825 | 289.236 | 292.957 | 289.757 |
| 76.5 | 238.623 | 263.780 | 271.149 | 272.861 | 269.660 |
| 77.0 | 222.844 | 246.959 | 253.137 | 253.286 | 250.234 |
| 77.5 | 207.437 | 230.436 | 235.423 | 234.529 | 231.478 |
| 78.0 | 192.253 | 214.508 | 217.931 | 216.517 | 213.912 |
| 78.5 | 177.665 | 199.250 | 200.887 | 199.101 | 196.570 |
| 79.0 | 163.672 | 184.140 | 184.810 | 182.652 | 180.419 |
| 79.5 | 150.274 | 169.105 | 169.329 | 166.872 | 164.639 |
| 80.0 | 137.398 | 153.401 | 154.070 | 151.763 | 149.977 |
| 80.5 | 124.671 | 138.068 | 139.482 | 137.472 | 135.761 |
| 81.0 | 112.762 | 123.182 | 125.564 | 123.926 | 122.661 |
| 81.5 | 101.151 | 108.891 | 112.538 | 111.124 | 109.933 |
| 82.0 | 90.358 | 96.089 | 100.109 | 98.992 | 98.173 |
| 82.5 | 79.938 | 84.776 | 88.497 | 87.604 | 86.860 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 83.0 | 70.113 | 74.505 | 77.556 | 76.961 | 76.514 |
| 83.5 | 60.884 | 64.978 | 67.508 | 67.062 | 66.764 |
| 84.0 | 52.473 | 55.971 | 58.056 | 57.981 | 57.683 |
| 84.5 | 44.658 | 47.710 | 49.422 | 49.496 | 49.496 |
| 85.0 | 37.513 | 40.118 | 41.681 | 41.904 | 41.606 |
| 85.5 | 31.037 | 33.270 | 34.759 | 34.684 | 34.461 |
| 86.0 | 25.232 | 27.167 | 28.581 | 28.432 | 28.060 |
| 86.5 | 20.171 | 21.882 | 23.148 | 22.701 | 22.031 |
| 87.0 | 15.779 | 17.193 | 18.235 | 17.566 | 16.747 |
| 87.5 | 12.058 | 13.323 | 14.216 | 12.951 | 11.760 |
| 88.0 | 9.080 | 10.197 | 10.718 | 9.229 | 8.187 |
| 88.5 | 6.550 | 7.517 | 7.666 | 6.550 | 5.731 |
| 89.0 | 4.466 | 5.136 | 5.359 | 4.615 | 4.094 |
| 89.5 | 2.977 | 3.275 | 3.647 | 3.200 | 2.828 |
| 90.0 | 2.010 | 2.382 | 2.531 | 2.158 | 1.861 |
| 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 |

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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 : DILG-S24-L65-8TW-FAD-DIM-UNV 4000K_.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 : DILG-S24-L65-8TW-FAD-DIM-UNV 4000K_.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 : DILG-S24-L65-8TW-FAD-DIM-UNV 4000K_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 923.53 | N.A. | 14.00 |
| 0-30 | 1941.06 | N.A. | 29.40 |
| 0-40 | 3147.9 | N.A. | 47.70 |
| 0-60 | 5427.77 | N.A. | 82.30 |
| 0-80 | 6538.53 | N.A. | 99.10 |
| 0-90 | 6595.86 | N.A. | 100.00 |
| 10-90 | 6355.25 | N.A. | 96.40 |
| 20-40 | 2224.36 | N.A. | 33.70 |
| 20-50 | 3442.49 | N.A. | 52.20 |
| 40-70 | 3041.63 | N.A. | 46.10 |
| 60-80 | 1110.76 | N.A. | 16.80 |
| 70-80 | 349.01 | N.A. | 5.30 |
| 80-90 | 57.32 | N.A. | 0.90 |
| 90-110 | 0.06 | N.A. | 0.00 |
| 90-120 | 0.06 | N.A. | 0.00 |
| 90-130 | 0.06 | N.A. | 0.00 |
| 90-150 | 0.06 | N.A. | 0.00 |
| 90-180 | 0.06 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 6595.92 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 240.61 |
| 10-20 | 682.92 |
| 20-30 | 1017.53 |
| 30-40 | 1206.83 |
| 40-50 | 1218.13 |
| 50-60 | 1061.75 |
| 60-70 | 761.75 |
| 70-80 | 349.01 |
| 80-90 | 57.32 |
| 90-100 | 0.06 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DILG-S24-L65-8TW-FAD-DIM-UNV 4000K_.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 | 154 | 154 | 154 | 154 | 150 | 150 | 150 | 150 | 144 | 144 | 144 | 138 | 138 | 138 | 132 | 132 | 132 | 129 |
| 1 | 142 | 136 | 131 | 126 | 138 | 133 | 128 | 124 | 127 | 124 | 120 | 122 | 119 | 116 | 118 | 115 | 113 | 110 |
| 2 | 129 | 119 | 111 | 104 | 126 | 117 | 109 | 102 | 112 | 106 | 100 | 108 | 102 | 98 | 104 | 100 | 96 | 93 |
| 3 | 118 | 105 | 95 | 87 | 115 | 103 | 94 | 86 | 99 | 91 | 84 | 96 | 89 | 83 | 92 | 87 | 82 | 79 |
| 4 | 108 | 93 | 82 | 74 | 105 | 92 | 81 | 73 | 88 | 79 | 72 | 85 | 78 | 71 | 83 | 76 | 70 | 68 |
| 5 | 100 | 83 | 72 | 64 | 97 | 82 | 71 | 63 | 79 | 70 | 63 | 77 | 69 | 62 | 74 | 67 | 61 | 59 |
| 6 | 92 | 75 | 64 | 56 | 90 | 74 | 63 | 56 | 72 | 62 | 55 | 70 | 61 | 55 | 68 | 60 | 54 | 51 |
| 7 | 86 | 68 | 57 | 49 | 83 | 67 | 57 | 49 | 65 | 56 | 49 | 63 | 55 | 48 | 62 | 54 | 48 | 46 |
| 8 | 80 | 62 | 52 | 44 | 78 | 62 | 51 | 44 | 60 | 50 | 44 | 58 | 50 | 43 | 57 | 49 | 43 | 41 |
| 9 | 74 | 57 | 47 | 40 | 73 | 57 | 47 | 40 | 55 | 46 | 39 | 54 | 45 | 39 | 52 | 45 | 39 | 37 |
| 10 | 70 | 53 | 43 | 36 | 68 | 52 | 43 | 36 | 51 | 42 | 36 | 50 | 42 | 36 | 49 | 41 | 36 | 33 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DILG-S24-L65-8TW-FAD-DIM-UNV 4000K_.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 | 14.9 | 16.5 | 15.2 | 16.8 | 17.1 | 16.0 | 17.6 | 16.4 | 17.9 | 18.2 |
| | 3H | 16.3 | 17.7 | 16.7 | 18.1 | 18.4 | 17.5 | 18.9 | 17.9 | 19.3 | 19.6 |
| | 4H | 16.7 | 18.1 | 17.1 | 18.4 | 18.8 | 17.9 | 19.3 | 18.3 | 19.6 | 20.0 |
| | 6H | 17.0 | 18.2 | 17.4 | 18.6 | 19.0 | 18.1 | 19.3 | 18.5 | 19.7 | 20.1 |
| | 8H | 17.0 | 18.2 | 17.4 | 18.6 | 19.0 | 18.1 | 19.3 | 18.5 | 19.7 | 20.1 |
| | 12H | 17.0 | 18.1 | 17.4 | 18.5 | 19.0 | 18.1 | 19.2 | 18.5 | 19.6 | 20.1 |

UGR Viewed Endwise

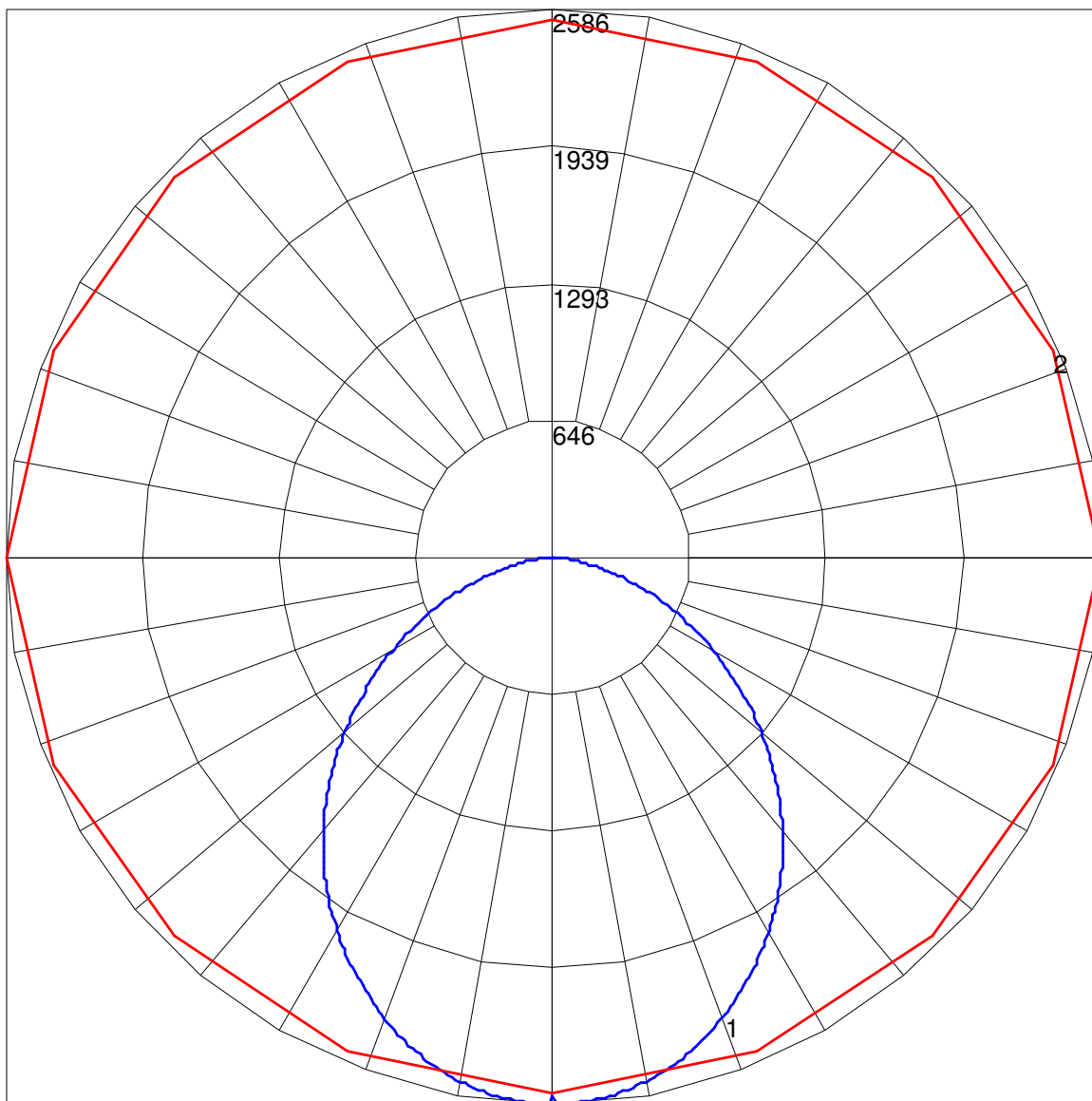
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 15.6 | 16.9 | 16.0 | 17.3 | 17.6 | 16.5 | 17.8 | 16.9 | 18.2 | 18.6 |
| | 3H | 17.2 | 18.3 | 17.6 | 18.7 | 19.1 | 18.2 | 19.3 | 18.6 | 19.7 | 20.1 |
| | 4H | 17.7 | 18.8 | 18.2 | 19.2 | 19.6 | 18.7 | 19.7 | 19.1 | 20.1 | 20.5 |
| | 6H | 18.0 | 18.9 | 18.5 | 19.4 | 19.8 | 18.9 | 19.8 | 19.4 | 20.2 | 20.7 |
| | 8H | 18.1 | 18.9 | 18.6 | 19.4 | 19.8 | 19.0 | 19.8 | 19.4 | 20.2 | 20.7 |
| | 12H | 18.1 | 18.9 | 18.6 | 19.3 | 19.8 | 19.0 | 19.7 | 19.4 | 20.2 | 20.7 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 18.0 | 18.8 | 18.4 | 19.2 | 19.7 | 18.8 | 19.6 | 19.3 | 20.1 | 20.6 |
| | 6H | 18.4 | 19.0 | 18.8 | 19.5 | 20.0 | 19.1 | 19.8 | 19.6 | 20.3 | 20.8 |
| | 8H | 18.4 | 19.0 | 18.9 | 19.5 | 20.0 | 19.2 | 19.8 | 19.7 | 20.3 | 20.8 |
| | 12H | 18.5 | 19.0 | 19.0 | 19.5 | 20.1 | 19.2 | 19.8 | 19.7 | 20.3 | 20.8 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 18.0 | 18.7 | 18.5 | 19.2 | 19.7 | 18.8 | 19.6 | 19.3 | 20.0 | 20.5 |
| | 6H | 18.4 | 19.0 | 18.9 | 19.4 | 20.0 | 19.1 | 19.7 | 19.6 | 20.2 | 20.7 |
| | 8H | 18.5 | 19.0 | 19.0 | 19.5 | 20.1 | 19.2 | 19.8 | 19.7 | 20.2 | 20.8 |

Maximum UGR = 20.8

POLAR GRAPH



Maximum Candela = 2585.703 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.)