



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2-8-L8-930-DMA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 14853501.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 2023-07-25
 [TESTDATE] 6/19/2023
 [MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] LRX2-8-L8-930-DMA-DIM-UNV
 [LUMINAIRE] 2 INCH WIDE, LINEAR RECESSED LED LUMINAIRE
 [MORE] W/DIFFUSED MATTE ACRYLIC LENS
 [LAMP] LED
 [BALLAST] 0-10V DIMMING DRIVER
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] INDOOR, CLASSROOM, COMMERCIAL, OFFICE
 [_SEARCH_MOUNTING] RECESSED

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 5248 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 95 |
| Total Luminaire Watts | 55.2 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.22 |
| Spacing Criterion (90-270) | 1.06 |
| Spacing Criterion (Diagonal) | 1.22 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 8.00 ft |
| Luminous Width (90-270) | 0.17 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 15323 | 13218 | 12057 |
| 55 | 13659 | 11615 | 10633 |
| 65 | 12042 | 10239 | 9425 |
| 75 | 9932 | 8717 | 8124 |
| 85 | 7492 | 6991 | 6735 |

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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 | 2325.135 | 2325.135 | 2325.135 | 2325.135 | 2325.135 |
| 0.5 | 2366.128 | 2327.042 | 2313.696 | 2319.416 | 2307.976 |
| 1.0 | 2366.128 | 2326.089 | 2313.696 | 2319.416 | 2307.022 |
| 1.5 | 2365.175 | 2326.089 | 2312.742 | 2318.462 | 2306.069 |
| 2.0 | 2364.221 | 2324.182 | 2310.836 | 2317.509 | 2303.209 |
| 2.5 | 2363.268 | 2322.276 | 2309.882 | 2314.649 | 2301.303 |
| 3.0 | 2361.361 | 2320.369 | 2307.022 | 2312.742 | 2297.489 |
| 3.5 | 2359.455 | 2318.462 | 2304.163 | 2308.929 | 2293.676 |
| 4.0 | 2357.548 | 2316.556 | 2301.303 | 2306.069 | 2290.816 |
| 4.5 | 2355.642 | 2313.696 | 2298.443 | 2302.256 | 2286.050 |
| 5.0 | 2353.735 | 2310.836 | 2293.676 | 2297.489 | 2281.283 |
| 5.5 | 2349.922 | 2307.022 | 2289.863 | 2291.769 | 2274.610 |
| 6.0 | 2347.062 | 2303.209 | 2285.096 | 2287.003 | 2268.890 |
| 6.5 | 2344.202 | 2300.349 | 2280.330 | 2280.330 | 2262.217 |
| 7.0 | 2340.389 | 2295.583 | 2275.563 | 2273.656 | 2255.543 |
| 7.5 | 2336.575 | 2291.769 | 2269.843 | 2266.983 | 2247.917 |
| 8.0 | 2332.762 | 2286.050 | 2264.123 | 2259.357 | 2241.244 |
| 8.5 | 2327.995 | 2281.283 | 2257.450 | 2251.730 | 2232.664 |
| 9.0 | 2323.229 | 2276.516 | 2250.777 | 2243.150 | 2224.084 |
| 9.5 | 2318.462 | 2270.797 | 2243.150 | 2233.617 | 2214.551 |
| 10.0 | 2313.696 | 2265.077 | 2235.524 | 2225.037 | 2205.971 |
| 10.5 | 2307.976 | 2259.357 | 2227.897 | 2215.504 | 2194.531 |
| 11.0 | 2302.256 | 2252.684 | 2219.318 | 2205.971 | 2184.045 |
| 11.5 | 2295.583 | 2246.010 | 2210.738 | 2195.485 | 2173.558 |
| 12.0 | 2288.910 | 2238.384 | 2201.205 | 2184.998 | 2162.119 |
| 12.5 | 2283.190 | 2230.757 | 2191.671 | 2173.558 | 2149.726 |
| 13.0 | 2275.563 | 2223.131 | 2182.138 | 2162.119 | 2138.286 |
| 13.5 | 2267.937 | 2214.551 | 2171.652 | 2149.726 | 2125.893 |
| 14.0 | 2261.263 | 2205.971 | 2162.119 | 2138.286 | 2113.500 |
| 14.5 | 2252.684 | 2197.391 | 2150.679 | 2125.893 | 2100.153 |
| 15.0 | 2245.057 | 2188.811 | 2140.192 | 2112.546 | 2087.760 |
| 15.5 | 2236.477 | 2179.278 | 2127.799 | 2099.200 | 2073.460 |
| 16.0 | 2229.804 | 2170.698 | 2116.359 | 2085.853 | 2059.161 |
| 16.5 | 2223.131 | 2161.165 | 2103.966 | 2071.554 | 2044.861 |
| 17.0 | 2214.551 | 2151.632 | 2091.573 | 2057.254 | 2030.561 |
| 17.5 | 2202.158 | 2142.099 | 2079.180 | 2042.954 | 2015.308 |
| 18.0 | 2190.718 | 2133.519 | 2066.787 | 2027.701 | 1999.102 |
| 18.5 | 2179.278 | 2122.079 | 2053.441 | 2012.448 | 1982.895 |
| 19.0 | 2169.745 | 2109.686 | 2040.094 | 1996.242 | 1966.689 |
| 19.5 | 2159.259 | 2097.293 | 2026.748 | 1980.035 | 1949.529 |
| 20.0 | 2148.772 | 2084.900 | 2012.448 | 1964.782 | 1931.416 |
| 20.5 | 2137.332 | 2072.507 | 1999.102 | 1948.576 | 1914.257 |
| 21.0 | 2125.893 | 2061.067 | 1984.802 | 1931.416 | 1896.144 |
| 21.5 | 2114.453 | 2048.674 | 1970.502 | 1915.210 | 1878.984 |
| 22.0 | 2102.060 | 2035.328 | 1955.249 | 1898.050 | 1860.871 |
| 22.5 | 2090.620 | 2022.935 | 1940.950 | 1879.937 | 1843.711 |
| 23.0 | 2077.274 | 2009.588 | 1927.603 | 1862.778 | 1826.552 |
| 23.5 | 2064.880 | 1995.288 | 1912.350 | 1845.618 | 1808.439 |
| 24.0 | 2051.534 | 1981.942 | 1895.190 | 1828.458 | 1791.279 |
| 24.5 | 2038.188 | 1967.642 | 1878.984 | 1811.299 | 1773.166 |
| 25.0 | 2024.841 | 1954.296 | 1861.824 | 1793.186 | 1755.053 |
| 25.5 | 2011.495 | 1939.043 | 1845.618 | 1776.026 | 1736.940 |
| 26.0 | 1997.195 | 1924.743 | 1828.458 | 1757.913 | 1719.780 |
| 26.5 | 1983.849 | 1909.490 | 1812.252 | 1740.753 | 1702.621 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 27.0 | 1968.596 | 1895.190 | 1795.092 | 1723.594 | 1684.508 |
| 27.5 | 1954.296 | 1878.984 | 1778.886 | 1706.434 | 1665.441 |
| 28.0 | 1939.996 | 1863.731 | 1761.726 | 1689.274 | 1648.282 |
| 28.5 | 1925.696 | 1848.478 | 1744.567 | 1671.161 | 1631.122 |
| 29.0 | 1910.443 | 1832.272 | 1728.360 | 1653.048 | 1613.962 |
| 29.5 | 1894.237 | 1816.065 | 1711.201 | 1634.935 | 1596.803 |
| 30.0 | 1878.984 | 1799.859 | 1694.041 | 1617.776 | 1578.690 |
| 30.5 | 1862.778 | 1784.606 | 1677.835 | 1600.616 | 1560.577 |
| 31.0 | 1846.571 | 1768.399 | 1660.675 | 1582.503 | 1542.464 |
| 31.5 | 1829.412 | 1751.240 | 1642.562 | 1564.390 | 1525.304 |
| 32.0 | 1813.205 | 1735.033 | 1625.402 | 1546.277 | 1507.191 |
| 32.5 | 1796.046 | 1717.874 | 1608.243 | 1528.164 | 1489.078 |
| 33.0 | 1779.839 | 1700.714 | 1590.130 | 1510.051 | 1470.965 |
| 33.5 | 1762.680 | 1683.554 | 1572.970 | 1492.891 | 1452.852 |
| 34.0 | 1745.520 | 1666.395 | 1555.810 | 1474.778 | 1434.739 |
| 34.5 | 1729.314 | 1648.282 | 1536.744 | 1456.665 | 1416.626 |
| 35.0 | 1712.154 | 1631.122 | 1519.584 | 1437.599 | 1398.513 |
| 35.5 | 1694.994 | 1613.009 | 1501.471 | 1419.486 | 1381.354 |
| 36.0 | 1676.881 | 1595.849 | 1484.312 | 1402.326 | 1363.241 |
| 36.5 | 1659.722 | 1577.736 | 1466.199 | 1384.213 | 1346.081 |
| 37.0 | 1642.562 | 1559.623 | 1448.086 | 1365.147 | 1327.968 |
| 37.5 | 1624.449 | 1541.510 | 1429.973 | 1347.988 | 1311.762 |
| 38.0 | 1607.289 | 1523.397 | 1411.860 | 1329.875 | 1293.649 |
| 38.5 | 1589.176 | 1505.285 | 1394.700 | 1312.715 | 1276.489 |
| 39.0 | 1571.063 | 1487.172 | 1375.634 | 1294.602 | 1259.329 |
| 39.5 | 1552.950 | 1469.059 | 1357.521 | 1277.442 | 1242.170 |
| 40.0 | 1533.884 | 1450.946 | 1339.408 | 1259.329 | 1225.010 |
| 40.5 | 1514.818 | 1432.833 | 1321.295 | 1243.123 | 1208.804 |
| 41.0 | 1496.705 | 1414.720 | 1303.182 | 1225.963 | 1190.691 |
| 41.5 | 1477.638 | 1395.653 | 1285.069 | 1208.804 | 1173.531 |
| 42.0 | 1458.572 | 1377.540 | 1267.909 | 1190.691 | 1157.325 |
| 42.5 | 1440.459 | 1358.474 | 1249.796 | 1173.531 | 1140.165 |
| 43.0 | 1421.393 | 1340.361 | 1232.636 | 1157.325 | 1123.958 |
| 43.5 | 1402.326 | 1321.295 | 1213.570 | 1141.118 | 1107.752 |
| 44.0 | 1383.260 | 1303.182 | 1196.410 | 1123.958 | 1091.546 |
| 44.5 | 1364.194 | 1285.069 | 1178.297 | 1106.799 | 1075.339 |
| 45.0 | 1346.081 | 1266.002 | 1161.138 | 1090.592 | 1059.133 |
| 45.5 | 1327.015 | 1247.889 | 1143.978 | 1074.386 | 1042.927 |
| 46.0 | 1307.948 | 1229.776 | 1126.818 | 1058.180 | 1027.674 |
| 46.5 | 1289.835 | 1210.710 | 1108.705 | 1041.973 | 1011.467 |
| 47.0 | 1270.769 | 1192.597 | 1091.546 | 1025.767 | 996.214 |
| 47.5 | 1252.656 | 1174.484 | 1075.339 | 1008.607 | 980.961 |
| 48.0 | 1233.590 | 1156.371 | 1058.180 | 993.354 | 964.755 |
| 48.5 | 1214.523 | 1138.258 | 1041.973 | 977.148 | 950.074 |
| 49.0 | 1196.410 | 1119.192 | 1023.860 | 961.895 | 934.725 |
| 49.5 | 1177.344 | 1101.079 | 1007.654 | 945.593 | 919.377 |
| 50.0 | 1159.231 | 1083.919 | 990.494 | 929.673 | 904.029 |
| 50.5 | 1140.165 | 1065.806 | 974.288 | 914.610 | 889.443 |
| 51.0 | 1122.052 | 1047.693 | 957.128 | 899.834 | 874.953 |
| 51.5 | 1102.986 | 1029.580 | 941.017 | 884.772 | 859.128 |
| 52.0 | 1084.873 | 1012.421 | 924.239 | 869.233 | 844.256 |
| 52.5 | 1065.806 | 994.308 | 907.651 | 853.694 | 829.956 |
| 53.0 | 1047.693 | 977.148 | 891.254 | 838.345 | 814.703 |
| 53.5 | 1028.627 | 959.988 | 875.620 | 823.950 | 800.880 |
| 54.0 | 1010.514 | 941.971 | 859.795 | 809.746 | 786.294 |
| 54.5 | 992.401 | 924.334 | 843.684 | 795.160 | 771.995 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|---------|---------|---------|---------|---------|
| 55.0 | 973.335 | 907.079 | 827.668 | 780.098 | 757.695 |
| 55.5 | 955.222 | 890.015 | 812.129 | 764.845 | 743.109 |
| 56.0 | 937.013 | 873.046 | 796.971 | 750.164 | 729.286 |
| 56.5 | 919.186 | 856.268 | 781.528 | 736.341 | 715.558 |
| 57.0 | 901.264 | 839.299 | 766.275 | 722.708 | 702.403 |
| 57.5 | 883.723 | 822.711 | 751.498 | 708.313 | 688.770 |
| 58.0 | 866.277 | 806.409 | 736.436 | 693.632 | 674.756 |
| 58.5 | 849.404 | 790.108 | 721.088 | 679.237 | 661.124 |
| 59.0 | 832.149 | 774.283 | 705.834 | 665.319 | 648.350 |
| 59.5 | 815.180 | 758.457 | 690.963 | 651.686 | 635.194 |
| 60.0 | 798.115 | 742.823 | 676.663 | 638.435 | 621.657 |
| 60.5 | 781.528 | 727.189 | 662.554 | 625.089 | 608.406 |
| 61.0 | 765.035 | 711.459 | 648.254 | 611.456 | 595.631 |
| 61.5 | 748.448 | 695.729 | 633.383 | 597.729 | 582.476 |
| 62.0 | 731.860 | 680.476 | 618.892 | 584.191 | 569.320 |
| 62.5 | 715.368 | 665.414 | 605.164 | 571.131 | 556.545 |
| 63.0 | 698.780 | 650.066 | 592.009 | 558.357 | 544.057 |
| 63.5 | 682.097 | 634.813 | 578.853 | 546.345 | 531.568 |
| 64.0 | 665.509 | 619.464 | 565.316 | 534.333 | 519.080 |
| 64.5 | 648.922 | 604.211 | 551.302 | 521.368 | 506.878 |
| 65.0 | 632.239 | 589.149 | 537.574 | 507.831 | 494.866 |
| 65.5 | 615.651 | 573.991 | 524.609 | 495.629 | 483.045 |
| 66.0 | 599.159 | 558.833 | 511.930 | 484.665 | 471.700 |
| 66.5 | 582.571 | 543.771 | 499.060 | 473.416 | 460.165 |
| 67.0 | 566.078 | 528.899 | 485.619 | 461.214 | 448.344 |
| 67.5 | 549.681 | 514.123 | 472.082 | 448.058 | 436.332 |
| 68.0 | 533.284 | 499.156 | 458.545 | 434.521 | 424.035 |
| 68.5 | 517.078 | 484.284 | 445.103 | 421.937 | 411.832 |
| 69.0 | 501.062 | 469.412 | 432.328 | 410.211 | 400.011 |
| 69.5 | 485.047 | 454.922 | 419.745 | 398.581 | 388.095 |
| 70.0 | 469.126 | 440.432 | 406.398 | 385.807 | 375.511 |
| 70.5 | 453.492 | 425.846 | 392.766 | 372.079 | 363.022 |
| 71.0 | 437.762 | 411.260 | 379.324 | 358.923 | 350.725 |
| 71.5 | 422.319 | 396.865 | 366.168 | 347.102 | 338.808 |
| 72.0 | 406.970 | 382.947 | 353.585 | 336.139 | 327.273 |
| 72.5 | 391.812 | 369.219 | 341.477 | 324.794 | 316.215 |
| 73.0 | 376.941 | 355.587 | 329.180 | 312.687 | 304.965 |
| 73.5 | 362.164 | 341.859 | 316.501 | 300.580 | 293.335 |
| 74.0 | 347.674 | 328.322 | 303.822 | 288.950 | 282.277 |
| 74.5 | 333.374 | 315.071 | 291.810 | 277.987 | 271.885 |
| 75.0 | 319.361 | 302.201 | 280.275 | 267.214 | 261.208 |
| 75.5 | 305.537 | 289.426 | 268.930 | 256.346 | 250.245 |
| 76.0 | 291.905 | 276.747 | 257.300 | 245.574 | 239.854 |
| 76.5 | 278.463 | 263.973 | 245.765 | 234.516 | 229.654 |
| 77.0 | 265.117 | 251.485 | 234.134 | 223.648 | 219.072 |
| 77.5 | 252.057 | 239.187 | 223.076 | 212.971 | 208.299 |
| 78.0 | 238.996 | 226.984 | 212.303 | 202.579 | 198.099 |
| 78.5 | 226.126 | 214.973 | 201.531 | 192.284 | 188.375 |
| 79.0 | 213.638 | 203.247 | 190.758 | 182.179 | 178.747 |
| 79.5 | 201.245 | 191.712 | 180.177 | 172.264 | 169.213 |
| 80.0 | 189.138 | 180.367 | 169.881 | 162.350 | 159.585 |
| 80.5 | 177.126 | 169.213 | 159.680 | 152.530 | 149.766 |
| 81.0 | 165.495 | 158.250 | 149.384 | 142.902 | 140.137 |
| 81.5 | 154.151 | 147.573 | 139.470 | 133.559 | 130.985 |
| 82.0 | 142.997 | 137.277 | 130.032 | 124.598 | 122.215 |
| 82.5 | 132.129 | 127.172 | 120.690 | 115.923 | 113.730 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 83.0 | 121.452 | 117.162 | 111.538 | 107.153 | 105.437 |
| 83.5 | 110.966 | 107.248 | 102.291 | 98.477 | 97.143 |
| 84.0 | 100.765 | 97.715 | 93.044 | 89.898 | 88.658 |
| 84.5 | 90.851 | 88.372 | 84.082 | 81.508 | 80.460 |
| 85.0 | 81.127 | 79.220 | 75.693 | 73.405 | 72.929 |
| 85.5 | 71.594 | 70.164 | 67.495 | 65.779 | 65.874 |
| 86.0 | 62.347 | 61.203 | 59.487 | 58.724 | 58.724 |
| 86.5 | 53.386 | 52.623 | 51.479 | 51.288 | 51.479 |
| 87.0 | 44.615 | 44.329 | 43.662 | 43.662 | 43.948 |
| 87.5 | 36.226 | 35.940 | 36.035 | 36.512 | 36.703 |
| 88.0 | 28.123 | 28.313 | 29.171 | 29.839 | 30.125 |
| 88.5 | 20.592 | 21.259 | 22.880 | 23.070 | 23.261 |
| 89.0 | 13.918 | 14.967 | 15.920 | 14.395 | 14.300 |
| 89.5 | 9.628 | 9.914 | 7.436 | 7.055 | 7.817 |
| 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 |

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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 : LRX2-8-L8-930-DMA-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 : LRX2-8-L8-930-DMA-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 : LRX2-8-L8-930-DMA-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 823.27 | N.A. | 15.70 |
| 0-30 | 1685.48 | N.A. | 32.10 |
| 0-40 | 2645.39 | N.A. | 50.40 |
| 0-60 | 4313.25 | N.A. | 82.20 |
| 0-80 | 5161.28 | N.A. | 98.30 |
| 0-90 | 5248.14 | N.A. | 100.00 |
| 10-90 | 5030.01 | N.A. | 95.80 |
| 20-40 | 1822.12 | N.A. | 34.70 |
| 20-50 | 2733.01 | N.A. | 52.10 |
| 40-70 | 2212.82 | N.A. | 42.20 |
| 60-80 | 848.03 | N.A. | 16.20 |
| 70-80 | 303.07 | N.A. | 5.80 |
| 80-90 | 86.86 | N.A. | 1.70 |
| 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 | 5248.14 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 218.13 |
| 10-20 | 605.14 |
| 20-30 | 862.20 |
| 30-40 | 959.92 |
| 40-50 | 910.89 |
| 50-60 | 756.97 |
| 60-70 | 544.96 |
| 70-80 | 303.07 |
| 80-90 | 86.86 |
| 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 : LRX2-8-L8-930-DMA-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 | 103 | 99 | 96 | 98 | 95 | 93 | 94 | 92 | 90 | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 77 | 84 | 79 | 76 | 81 | 77 | 74 | 72 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 61 |
| 4 | 84 | 73 | 64 | 58 | 82 | 72 | 64 | 58 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 55 | 53 |
| 5 | 78 | 65 | 57 | 50 | 76 | 64 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 49 | 59 | 53 | 49 | 47 |
| 6 | 72 | 59 | 51 | 44 | 70 | 58 | 50 | 44 | 57 | 49 | 44 | 55 | 48 | 44 | 53 | 48 | 43 | 41 |
| 7 | 67 | 54 | 46 | 40 | 65 | 53 | 45 | 39 | 52 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 37 |
| 8 | 63 | 50 | 41 | 36 | 61 | 49 | 41 | 36 | 48 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 |
| 9 | 59 | 46 | 38 | 32 | 57 | 45 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 32 | 30 |
| 10 | 55 | 42 | 35 | 29 | 54 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 34 | 29 | 39 | 33 | 29 | 27 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LRX2-8-L8-930-DMA-DIM-UNV_.IES

UGR TABLE - CORRECTED

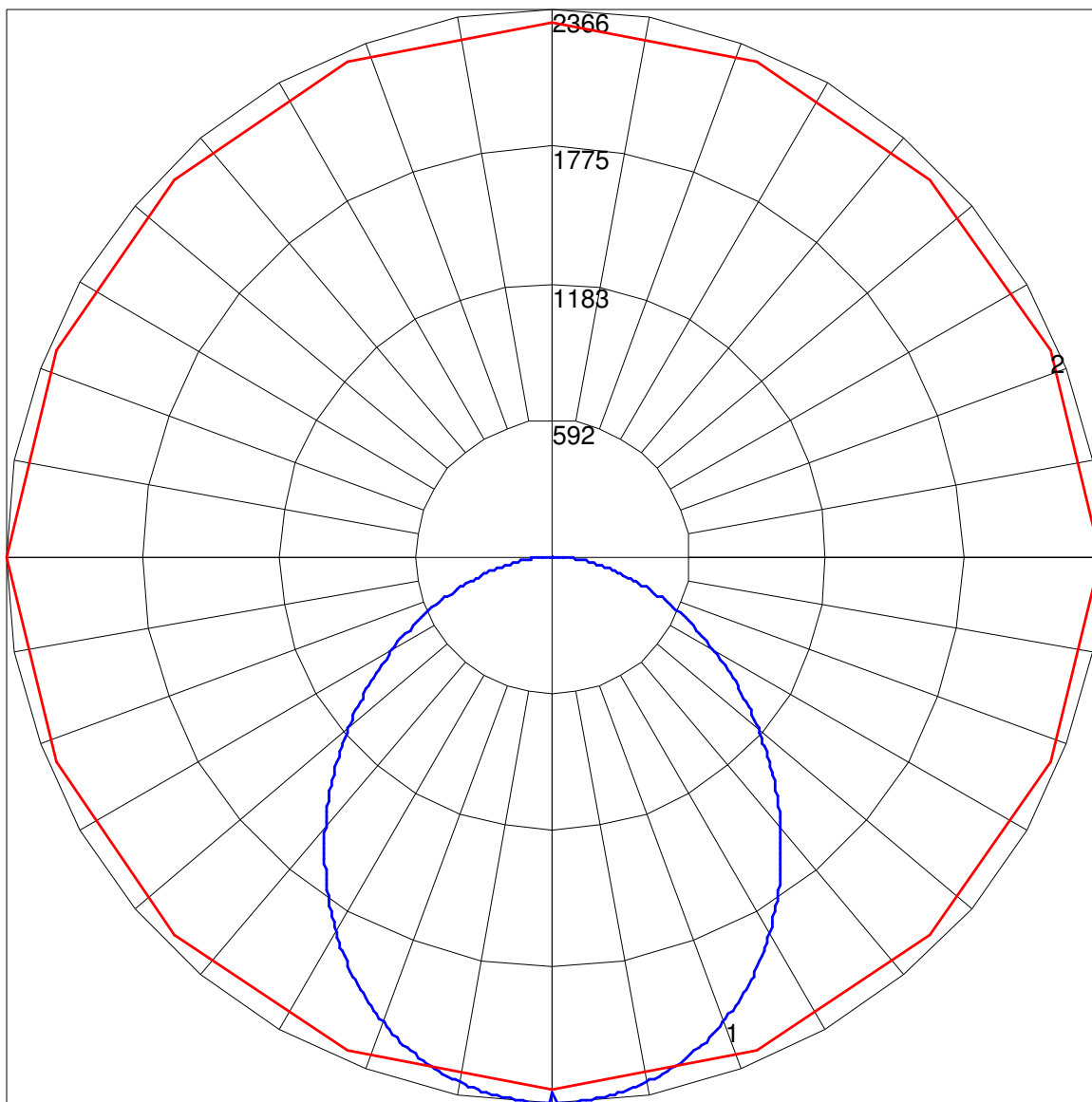
Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 20.9 | 22.5 | 21.3 | 22.8 | 23.1 | 19.8 | 21.3 | 20.1 | 21.6 | 21.9 |
| | 3H | 22.6 | 24.1 | 23.0 | 24.4 | 24.7 | 21.4 | 22.8 | 21.8 | 23.2 | 23.5 |
| | 4H | 23.2 | 24.6 | 23.6 | 24.9 | 25.3 | 22.0 | 23.4 | 22.4 | 23.7 | 24.1 |
| | 6H | 23.7 | 24.9 | 24.1 | 25.3 | 25.7 | 22.5 | 23.7 | 22.9 | 24.1 | 24.5 |
| | 8H | 23.8 | 25.0 | 24.3 | 25.4 | 25.8 | 22.6 | 23.8 | 23.1 | 24.2 | 24.6 |
| | 12H | 23.9 | 25.1 | 24.4 | 25.4 | 25.9 | 22.7 | 23.9 | 23.2 | 24.3 | 24.7 |
| 4H | 2H | 21.4 | 22.7 | 21.8 | 23.0 | 23.4 | 20.4 | 21.7 | 20.8 | 22.1 | 22.5 |
| | 3H | 23.3 | 24.4 | 23.7 | 24.8 | 25.2 | 22.3 | 23.4 | 22.7 | 23.8 | 24.2 |
| | 4H | 24.1 | 25.1 | 24.5 | 25.5 | 25.9 | 23.0 | 24.0 | 23.5 | 24.5 | 24.9 |
| | 6H | 24.6 | 25.5 | 25.1 | 26.0 | 26.4 | 23.6 | 24.5 | 24.1 | 24.9 | 25.4 |
| | 8H | 24.8 | 25.6 | 25.3 | 26.1 | 26.6 | 23.8 | 24.6 | 24.3 | 25.1 | 25.5 |
| | 12H | 25.0 | 25.7 | 25.5 | 26.2 | 26.7 | 24.0 | 24.7 | 24.5 | 25.2 | 25.6 |
| 8H | 4H | 24.3 | 25.1 | 24.7 | 25.5 | 26.0 | 23.4 | 24.2 | 23.8 | 24.6 | 25.1 |
| | 6H | 25.0 | 25.6 | 25.5 | 26.1 | 26.6 | 24.1 | 24.7 | 24.6 | 25.2 | 25.7 |
| | 8H | 25.2 | 25.8 | 25.7 | 26.3 | 26.8 | 24.3 | 24.9 | 24.8 | 25.5 | 25.9 |
| | 12H | 25.5 | 26.0 | 26.0 | 26.5 | 27.0 | 24.6 | 25.1 | 25.1 | 25.6 | 26.2 |
| 12H | 4H | 24.3 | 25.0 | 24.8 | 25.5 | 26.0 | 23.4 | 24.1 | 23.9 | 24.6 | 25.1 |
| | 6H | 25.0 | 25.6 | 25.5 | 26.1 | 26.6 | 24.1 | 24.8 | 24.7 | 25.2 | 25.8 |
| | 8H | 25.3 | 25.9 | 25.8 | 26.4 | 26.9 | 24.5 | 25.0 | 25.0 | 25.5 | 26.1 |

Maximum UGR = 27.0

POLAR GRAPH



Maximum Candela = 2366.128 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.)