

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00649 ~ SR2DMO-XT20L-E1-SDD2F-XXK-MDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00649
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/16/2018
[UPDATE] 4/30/2018
[LUMCAT] SR2DMO-XT20L-E1-SDD2F-xxK-MD-MW-GL
[LUMINAIRE] Nom. 2" Square Trim Downlight, Medium Beam
[OTHER] Matte White Trim, Clear Glass lens
[OTHER] 34.4 Degree Beam Angle
[LAMP] N/A
[LAMPCAT] N/A, Min. 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] For New Construction Non-IC Housing: SR2DMO-XT-series
[OTHER] For SDD2F Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1039 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 44 |
| Total Luminaire Watts | 23.7 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.58 |
| Spacing Criterion (90-270) | 0.58 |
| Spacing Criterion (Diagonal) | 0.60 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 0.17 ft |
| Luminous Width (90-270) | 0.17 ft |
| Luminous Height | 0.00 ft |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00649 ~ SR2DMO-XT20L-E1-SDD2F-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 32722 | 28418 | 32177 |
| 55 | 21445 | 18687 | 25966 |
| 65 | 10149 | 12214 | 11174 |
| 75 | 6664 | 6929 | 6679 |
| 85 | 6853 | 7703 | 7893 |

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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> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> | <u>202.5</u> |
|--------------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 2485.165 | 2485.165 | 2485.165 | 2485.165 | 2485.165 | 2485.165 | 2485.165 | 2485.165 | 2485.165 | 2485.165 |
| 2.5 | 2476.538 | 2455.596 | 2468.829 | 2455.525 | 2446.592 | 2456.370 | 2466.390 | 2442.525 | 2464.473 | 2450.569 |
| 5.0 | 2403.876 | 2405.136 | 2398.903 | 2400.740 | 2388.011 | 2392.582 | 2387.432 | 2395.998 | 2386.934 | 2405.974 |
| 7.5 | 2305.198 | 2263.362 | 2282.271 | 2252.665 | 2240.665 | 2246.133 | 2258.754 | 2222.652 | 2258.421 | 2251.128 |
| 10.0 | 2086.176 | 2086.404 | 2071.954 | 2068.774 | 2059.867 | 2050.051 | 2031.388 | 2043.344 | 2048.311 | 2085.302 |
| 12.5 | 1828.925 | 1796.518 | 1793.397 | 1789.689 | 1770.363 | 1778.923 | 1776.436 | 1752.056 | 1796.834 | 1790.376 |
| 15.0 | 1520.433 | 1506.054 | 1511.629 | 1482.798 | 1484.248 | 1471.857 | 1477.676 | 1463.826 | 1491.818 | 1490.493 |
| 17.5 | 1199.664 | 1214.117 | 1227.975 | 1215.633 | 1206.869 | 1206.850 | 1216.986 | 1202.545 | 1208.167 | 1215.930 |
| 20.0 | 915.589 | 942.952 | 1006.849 | 957.086 | 941.262 | 958.163 | 1006.630 | 949.925 | 947.002 | 944.108 |
| 22.5 | 637.583 | 713.364 | 814.973 | 733.365 | 699.460 | 739.142 | 828.307 | 746.495 | 700.984 | 718.148 |
| 25.0 | 431.285 | 507.279 | 652.057 | 514.869 | 482.082 | 528.892 | 684.408 | 551.355 | 468.318 | 499.584 |
| 27.5 | 232.437 | 339.384 | 500.095 | 361.098 | 304.169 | 371.250 | 536.673 | 389.888 | 300.964 | 342.254 |
| 30.0 | 164.163 | 212.980 | 361.121 | 212.886 | 179.535 | 225.187 | 385.534 | 248.807 | 180.354 | 200.548 |
| 32.5 | 102.482 | 141.851 | 225.877 | 154.100 | 126.534 | 159.055 | 263.695 | 169.250 | 119.993 | 143.654 |
| 35.0 | 90.503 | 97.494 | 155.063 | 99.212 | 94.251 | 105.140 | 163.284 | 107.000 | 94.917 | 95.454 |
| 37.5 | 78.805 | 82.123 | 97.944 | 84.253 | 84.606 | 86.815 | 106.038 | 86.484 | 81.223 | 81.309 |
| 40.0 | 72.128 | 71.091 | 76.902 | 69.864 | 75.239 | 71.636 | 74.253 | 69.566 | 72.923 | 68.851 |
| 42.5 | 65.564 | 63.994 | 61.132 | 63.299 | 66.122 | 63.053 | 57.718 | 59.494 | 65.543 | 61.333 |
| 45.0 | 60.006 | 56.280 | 52.114 | 56.586 | 59.007 | 54.741 | 48.465 | 51.769 | 58.503 | 54.449 |
| 47.5 | 54.199 | 48.113 | 43.652 | 48.700 | 53.382 | 49.419 | 42.994 | 47.627 | 52.672 | 49.025 |
| 50.0 | 46.999 | 40.640 | 37.833 | 41.333 | 49.112 | 44.167 | 38.960 | 43.389 | 47.188 | 43.159 |
| 52.5 | 39.684 | 33.581 | 32.129 | 36.620 | 45.655 | 39.907 | 34.631 | 39.032 | 41.634 | 36.474 |
| 55.0 | 31.900 | 28.345 | 27.797 | 31.954 | 38.625 | 35.462 | 30.217 | 34.489 | 36.065 | 30.254 |
| 57.5 | 24.487 | 24.002 | 23.570 | 27.463 | 29.856 | 29.517 | 26.562 | 29.755 | 29.086 | 24.724 |
| 60.0 | 18.207 | 18.763 | 20.734 | 22.530 | 22.858 | 23.675 | 23.071 | 24.031 | 21.909 | 19.349 |
| 62.5 | 13.189 | 13.181 | 17.725 | 16.328 | 16.548 | 18.368 | 18.983 | 17.473 | 16.834 | 14.166 |
| 65.0 | 11.123 | 10.466 | 13.387 | 11.438 | 12.247 | 13.617 | 14.807 | 12.720 | 11.940 | 10.635 |
| 67.5 | 8.529 | 8.553 | 9.362 | 9.304 | 8.535 | 10.912 | 11.483 | 9.235 | 9.752 | 8.761 |
| 70.0 | 5.152 | 6.794 | 6.429 | 7.183 | 6.890 | 8.462 | 8.311 | 6.858 | 7.661 | 6.582 |
| 72.5 | 4.259 | 5.264 | 4.826 | 5.077 | 5.568 | 6.549 | 6.424 | 4.978 | 5.878 | 4.218 |
| 75.0 | 4.473 | 4.415 | 4.651 | 4.334 | 4.483 | 4.840 | 4.856 | 4.317 | 4.480 | 3.885 |
| 77.5 | 3.813 | 3.239 | 3.883 | 3.756 | 3.668 | 3.341 | 3.814 | 3.581 | 3.516 | 3.303 |
| 80.0 | 2.743 | 2.326 | 2.984 | 2.908 | 2.998 | 3.229 | 3.127 | 2.593 | 2.629 | 1.898 |
| 82.5 | 1.678 | 2.011 | 2.134 | 2.303 | 2.266 | 2.690 | 2.249 | 2.451 | 2.142 | 1.693 |
| 85.0 | 1.549 | 1.618 | 1.741 | 1.948 | 1.784 | 1.759 | 1.821 | 2.683 | 2.069 | 1.566 |
| 87.5 | 1.291 | 1.455 | 1.646 | 1.508 | 1.425 | 1.433 | 1.643 | 1.420 | 1.648 | 1.306 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 1.622 | 1.269 | 1.244 | 1.512 | 1.274 | 1.269 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**Vert.
Angles**

Horizontal Angles

| | <u>225.0</u> | <u>247.5</u> | <u>270.0</u> | <u>292.5</u> | <u>315.0</u> | <u>337.5</u> | <u>360.0</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 2485.165 | 2485.165 | 2485.165 | 2485.165 | 2485.165 | 2485.165 | 2485.165 |
| 2.5 | 2462.922 | 2462.633 | 2454.342 | 2466.910 | 2480.107 | 2452.825 | 2476.538 |
| 5.0 | 2404.645 | 2400.906 | 2412.913 | 2398.380 | 2395.185 | 2409.267 | 2403.876 |
| 7.5 | 2265.743 | 2273.305 | 2265.925 | 2273.332 | 2285.125 | 2260.580 | 2305.198 |
| 10.0 | 2065.623 | 2079.988 | 2108.710 | 2070.089 | 2051.517 | 2091.026 | 2086.176 |
| 12.5 | 1799.755 | 1797.542 | 1809.990 | 1795.284 | 1789.295 | 1794.004 | 1828.925 |
| 15.0 | 1492.319 | 1508.208 | 1505.856 | 1503.047 | 1499.919 | 1496.428 | 1520.433 |
| 17.5 | 1230.958 | 1211.063 | 1203.410 | 1197.845 | 1206.112 | 1196.518 | 1199.664 |
| 20.0 | 992.910 | 943.996 | 903.762 | 926.534 | 987.013 | 911.568 | 915.589 |
| 22.5 | 807.932 | 704.690 | 649.022 | 676.192 | 775.523 | 673.127 | 637.583 |
| 25.0 | 644.438 | 503.781 | 406.914 | 480.146 | 607.422 | 459.296 | 431.285 |
| 27.5 | 487.413 | 331.677 | 267.000 | 310.948 | 441.424 | 306.410 | 232.437 |
| 30.0 | 332.435 | 216.951 | 144.352 | 208.148 | 311.543 | 186.747 | 164.163 |
| 32.5 | 225.340 | 138.051 | 113.842 | 131.564 | 185.792 | 131.858 | 102.482 |
| 35.0 | 129.404 | 99.479 | 87.640 | 98.093 | 131.667 | 93.034 | 90.503 |
| 37.5 | 95.488 | 81.040 | 78.076 | 77.886 | 81.670 | 79.297 | 78.805 |
| 40.0 | 71.769 | 69.644 | 69.146 | 67.115 | 66.516 | 68.396 | 72.128 |
| 42.5 | 60.431 | 61.057 | 62.045 | 58.471 | 52.434 | 61.185 | 65.564 |
| 45.0 | 50.369 | 53.701 | 55.043 | 50.632 | 44.409 | 54.474 | 60.006 |
| 47.5 | 43.030 | 46.728 | 48.269 | 42.919 | 37.121 | 48.292 | 54.199 |
| 50.0 | 35.817 | 39.981 | 41.633 | 37.544 | 32.755 | 42.136 | 46.999 |
| 52.5 | 31.160 | 33.285 | 35.247 | 32.395 | 28.587 | 36.003 | 39.684 |
| 55.0 | 26.551 | 28.501 | 29.022 | 28.121 | 25.004 | 30.051 | 31.900 |
| 57.5 | 22.763 | 24.024 | 23.033 | 23.865 | 21.458 | 24.228 | 24.487 |
| 60.0 | 19.040 | 18.715 | 17.834 | 17.484 | 17.995 | 19.267 | 18.207 |
| 62.5 | 15.868 | 13.325 | 13.609 | 11.351 | 14.526 | 14.805 | 13.189 |
| 65.0 | 12.676 | 10.815 | 10.069 | 8.625 | 11.045 | 11.006 | 11.123 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00649 ~ SR2DMO-XT20L-E1-SDD2F-XXK-MDMWGL.IES****CANDELA TABULATION - (Cont.)**

| | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 67.5 | 9.378 | 8.437 | 7.188 | 6.337 | 8.242 | 7.497 | 8.529 |
| 70.0 | 6.626 | 6.302 | 5.895 | 5.593 | 6.196 | 5.848 | 5.152 |
| 72.5 | 5.001 | 4.683 | 5.422 | 4.560 | 4.805 | 4.604 | 4.259 |
| 75.0 | 4.064 | 4.128 | 4.550 | 3.314 | 3.707 | 3.757 | 4.473 |
| 77.5 | 3.413 | 3.440 | 3.663 | 2.626 | 2.884 | 2.524 | 3.813 |
| 80.0 | 2.492 | 2.868 | 2.818 | 2.703 | 2.666 | 2.047 | 2.743 |
| 82.5 | 1.950 | 2.472 | 2.248 | 2.141 | 1.944 | 2.218 | 1.678 |
| 85.0 | 1.791 | 1.914 | 2.166 | 1.590 | 1.476 | 1.628 | 1.549 |
| 87.5 | 1.821 | 1.948 | 1.445 | 1.304 | 1.447 | 0.968 | 1.291 |
| 90.0 | 1.097 | 1.377 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00649 ~ SR2DMO-XT20L-E1-SDD2F-XXK-MDMWGL.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 627.47 | N.A. | 60.40 |
| 0-30 | 873.50 | N.A. | 84.00 |
| 0-40 | 950.98 | N.A. | 91.50 |
| 0-60 | 1020.45 | N.A. | 98.20 |
| 0-80 | 1037.24 | N.A. | 99.80 |
| 0-90 | 1039.18 | N.A. | 100.00 |
| 10-90 | 820.95 | N.A. | 79.00 |
| 20-40 | 323.51 | N.A. | 31.10 |
| 20-50 | 365.54 | N.A. | 35.20 |
| 40-70 | 81.65 | N.A. | 7.90 |
| 60-80 | 16.78 | N.A. | 1.60 |
| 70-80 | 4.61 | N.A. | 0.40 |
| 80-90 | 1.95 | N.A. | 0.20 |
| 90-110 | 0.09 | N.A. | 0.00 |
| 90-120 | 0.09 | N.A. | 0.00 |
| 90-130 | 0.09 | N.A. | 0.00 |
| 90-150 | 0.09 | N.A. | 0.00 |
| 90-180 | 0.09 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 1039.27 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 218.23 |
| 10-20 | 409.23 |
| 20-30 | 246.03 |
| 30-40 | 77.48 |
| 40-50 | 42.03 |
| 50-60 | 27.45 |
| 60-70 | 12.18 |
| 70-80 | 4.61 |
| 80-90 | 1.95 |
| 90-100 | 0.09 |
| 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 : SP-00649 ~ SR2DMO-XT20L-E1-SDD2F-XXK-MDMWGL.IES

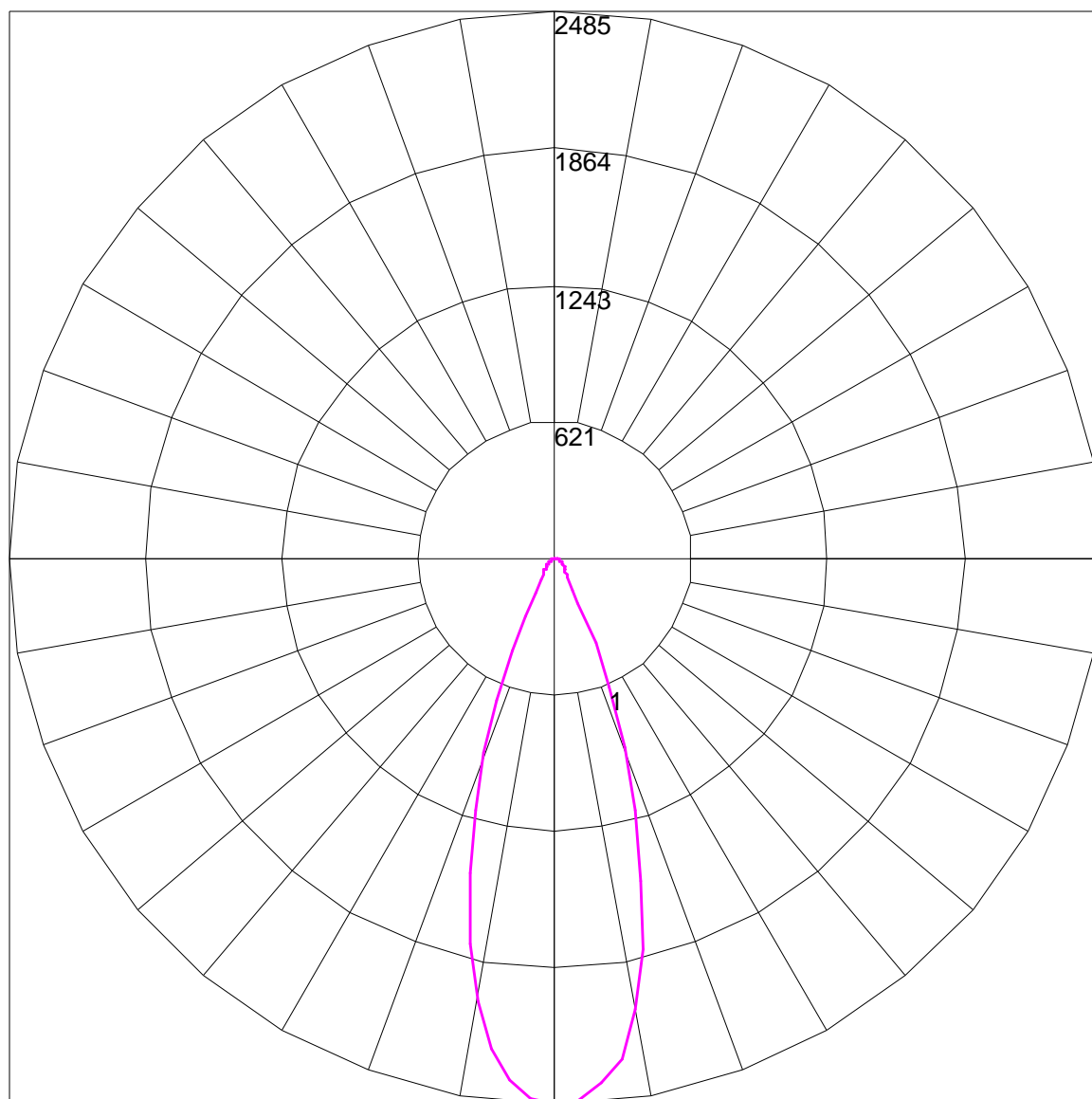
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 94 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 92 | 91 | 89 |
| 3 | 104 | 99 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 84 |
| 4 | 100 | 93 | 88 | 85 | 98 | 92 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 84 | 81 | 80 |
| 5 | 96 | 89 | 83 | 80 | 94 | 88 | 83 | 79 | 86 | 82 | 79 | 84 | 81 | 78 | 83 | 80 | 77 | 76 |
| 6 | 92 | 84 | 79 | 75 | 91 | 84 | 79 | 75 | 82 | 78 | 75 | 81 | 77 | 74 | 80 | 76 | 74 | 72 |
| 7 | 89 | 81 | 75 | 72 | 87 | 80 | 75 | 72 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 69 |
| 8 | 85 | 77 | 72 | 68 | 84 | 77 | 72 | 68 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 67 | 66 |
| 9 | 82 | 74 | 69 | 65 | 81 | 73 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 64 |
| 10 | 79 | 71 | 66 | 63 | 78 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 65 | 62 | 69 | 65 | 62 | 61 |

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POLAR GRAPH



Maximum Candela = 2485.165 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)