

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00648_2 ~ SR2DMO-XT20L-E1-RDD2F-XXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00648_2
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/16/2018
[UPDATE] 4/30/2018
[LUMCAT] SR2DMO-XT20L-E1-RDD2F-xxK-MD-MW-SO
[LUMINAIRE] Nom. 2" Round Trim Downlight, Medium Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 32.7 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 RDD2F 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 | 1451 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 61 |
| Total Luminaire Watts | 23.7 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.56 |
| Spacing Criterion (90-270) | 0.54 |
| Spacing Criterion (Diagonal) | 0.56 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.15 ft (Diameter) |
| Luminous Width (90-270) | 0.15 ft (Diameter) |
| Luminous Height | 0.00 ft |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00648_2 ~ SR2DMO-XT20L-E1-RDD2F-XXK-MDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 53765 | 55263 | 52730 |
| 55 | 51606 | 51937 | 51162 |
| 65 | 36931 | 35926 | 34900 |
| 75 | 21168 | 21438 | 17627 |
| 85 | 15389 | 18028 | 24270 |

IES INDOOR REPORT

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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 | 3828.417 | 3828.417 | 3828.417 | 3828.417 | 3828.417 | 3828.417 | 3828.417 | 3828.417 | 3828.417 | 3828.417 |
| 2.5 | 3812.530 | 3794.841 | 3771.757 | 3807.308 | 3800.183 | 3806.969 | 3806.582 | 3803.382 | 3813.526 | 3799.381 |
| 5.0 | 3596.967 | 3594.126 | 3602.226 | 3602.091 | 3606.741 | 3606.074 | 3599.670 | 3601.977 | 3597.945 | 3597.099 |
| 7.5 | 3356.881 | 3335.959 | 3332.339 | 3350.602 | 3357.701 | 3363.381 | 3352.450 | 3356.063 | 3353.983 | 3347.124 |
| 10.0 | 2970.081 | 2967.342 | 2973.970 | 2973.991 | 2979.062 | 2974.880 | 2968.644 | 2973.021 | 2973.026 | 2971.488 |
| 12.5 | 2576.786 | 2562.658 | 2576.660 | 2568.538 | 2578.039 | 2571.356 | 2557.024 | 2575.026 | 2575.071 | 2581.372 |
| 15.0 | 2147.499 | 2149.302 | 2146.323 | 2140.745 | 2127.162 | 2118.226 | 2117.420 | 2134.148 | 2148.078 | 2154.891 |
| 17.5 | 1728.348 | 1733.259 | 1739.805 | 1707.997 | 1698.054 | 1682.540 | 1672.504 | 1708.707 | 1717.694 | 1742.885 |
| 20.0 | 1361.436 | 1368.327 | 1352.716 | 1338.236 | 1315.307 | 1301.459 | 1300.554 | 1326.224 | 1347.915 | 1365.568 |
| 22.5 | 1010.369 | 1018.391 | 1019.292 | 981.196 | 966.961 | 946.988 | 941.469 | 971.766 | 984.208 | 1015.557 |
| 25.0 | 735.481 | 741.628 | 727.305 | 711.168 | 688.721 | 671.603 | 672.901 | 690.138 | 711.407 | 728.038 |
| 27.5 | 481.772 | 485.168 | 496.693 | 457.990 | 450.339 | 428.905 | 419.095 | 444.258 | 447.080 | 479.181 |
| 30.0 | 323.356 | 326.149 | 312.368 | 306.730 | 289.733 | 278.553 | 278.755 | 288.656 | 302.560 | 314.890 |
| 32.5 | 184.673 | 192.648 | 196.210 | 173.273 | 167.165 | 156.913 | 155.453 | 164.747 | 167.302 | 185.502 |
| 35.0 | 129.305 | 132.253 | 128.693 | 121.358 | 115.712 | 112.477 | 109.986 | 115.788 | 120.005 | 129.135 |
| 37.5 | 83.221 | 89.892 | 91.038 | 83.040 | 79.064 | 77.865 | 75.224 | 78.902 | 78.920 | 87.050 |
| 40.0 | 74.006 | 75.378 | 74.190 | 72.118 | 68.946 | 68.421 | 67.140 | 69.787 | 69.669 | 73.567 |
| 42.5 | 65.991 | 67.320 | 66.263 | 65.269 | 62.206 | 61.115 | 62.396 | 62.403 | 62.179 | 63.342 |
| 45.0 | 62.473 | 62.404 | 64.214 | 62.065 | 61.271 | 59.036 | 59.562 | 58.759 | 57.908 | 59.368 |
| 47.5 | 58.785 | 58.170 | 59.917 | 59.374 | 59.110 | 57.083 | 56.943 | 55.584 | 53.793 | 55.639 |
| 50.0 | 54.493 | 56.778 | 54.175 | 56.756 | 54.929 | 55.421 | 54.210 | 53.397 | 52.083 | 52.363 |
| 52.5 | 50.713 | 55.964 | 50.835 | 54.146 | 51.210 | 52.640 | 51.466 | 50.380 | 50.456 | 48.603 |
| 55.0 | 48.641 | 51.534 | 48.953 | 50.492 | 48.222 | 47.364 | 48.833 | 45.720 | 46.421 | 43.991 |
| 57.5 | 45.536 | 46.419 | 44.742 | 46.716 | 43.867 | 42.603 | 46.210 | 41.274 | 42.318 | 39.460 |
| 60.0 | 39.155 | 40.515 | 39.150 | 39.886 | 37.436 | 38.939 | 37.555 | 37.241 | 36.526 | 35.066 |
| 62.5 | 32.610 | 34.475 | 32.356 | 32.758 | 30.902 | 34.243 | 28.430 | 32.559 | 30.762 | 30.292 |
| 65.0 | 25.648 | 26.630 | 24.950 | 25.175 | 24.237 | 27.658 | 25.185 | 26.828 | 26.137 | 24.970 |
| 67.5 | 19.873 | 19.124 | 19.544 | 18.502 | 19.374 | 21.983 | 21.645 | 21.642 | 21.573 | 19.703 |
| 70.0 | 15.549 | 14.849 | 14.846 | 15.585 | 15.681 | 17.223 | 16.485 | 16.935 | 17.198 | 14.479 |
| 72.5 | 12.156 | 11.260 | 11.962 | 12.657 | 11.146 | 12.596 | 12.637 | 11.592 | 13.353 | 11.872 |
| 75.0 | 9.003 | 8.349 | 9.118 | 9.770 | 7.497 | 8.845 | 9.817 | 7.724 | 9.924 | 9.668 |
| 77.5 | 5.784 | 5.623 | 6.349 | 7.286 | 5.207 | 7.338 | 5.929 | 7.211 | 6.931 | 7.504 |
| 80.0 | 4.058 | 3.775 | 3.780 | 4.860 | 3.795 | 5.117 | 4.030 | 4.252 | 5.122 | 5.375 |
| 82.5 | 3.328 | 3.407 | 3.946 | 3.075 | 3.327 | 2.967 | 3.557 | 3.539 | 3.333 | 2.825 |
| 85.0 | 2.204 | 2.535 | 2.582 | 1.941 | 3.476 | 2.069 | 2.410 | 3.447 | 2.738 | 2.299 |
| 87.5 | 2.503 | 2.169 | 1.917 | 1.641 | 1.808 | 1.811 | 1.501 | 2.063 | 2.007 | 2.022 |
| 90.0 | 1.288 | 0.000 | 1.313 | 0.000 | 0.000 | 1.751 | 0.743 | 1.465 | 0.000 | 1.614 |
| 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 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00648_2 ~ SR2DMO-XT20L-E1-RDD2F-XXK-MDMWSO.IES

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 | 3828.417 | 3828.417 | 3828.417 | 3828.417 | 3828.417 | 3828.417 | 3828.417 |
| 2.5 | 3761.920 | 3801.692 | 3788.990 | 3801.257 | 3806.009 | 3797.984 | 3812.530 |
| 5.0 | 3590.348 | 3591.321 | 3588.471 | 3591.061 | 3593.126 | 3591.449 | 3596.967 |
| 7.5 | 3308.476 | 3343.162 | 3325.027 | 3334.104 | 3344.615 | 3333.574 | 3356.881 |
| 10.0 | 2962.529 | 2961.151 | 2951.840 | 2949.808 | 2951.928 | 2957.264 | 2970.081 |
| 12.5 | 2551.868 | 2568.435 | 2537.808 | 2534.895 | 2550.150 | 2547.560 | 2576.786 |
| 15.0 | 2140.044 | 2139.050 | 2115.718 | 2108.123 | 2113.715 | 2126.298 | 2147.499 |
| 17.5 | 1727.088 | 1723.887 | 1690.774 | 1678.673 | 1692.156 | 1702.029 | 1728.348 |
| 20.0 | 1351.623 | 1353.895 | 1325.464 | 1317.911 | 1324.128 | 1337.678 | 1361.436 |
| 22.5 | 1011.204 | 1005.837 | 980.237 | 971.669 | 978.284 | 988.365 | 1010.369 |
| 25.0 | 723.701 | 725.276 | 707.933 | 703.473 | 707.935 | 716.774 | 735.481 |
| 27.5 | 483.789 | 475.643 | 458.947 | 450.685 | 463.483 | 463.072 | 481.772 |
| 30.0 | 309.735 | 314.590 | 302.353 | 299.634 | 302.508 | 307.797 | 323.356 |
| 32.5 | 192.660 | 181.485 | 173.766 | 166.725 | 168.981 | 174.322 | 184.673 |
| 35.0 | 121.623 | 126.065 | 117.747 | 117.095 | 119.384 | 120.396 | 129.305 |
| 37.5 | 88.897 | 82.650 | 82.550 | 81.651 | 80.550 | 82.510 | 83.221 |
| 40.0 | 71.177 | 70.398 | 70.344 | 71.123 | 72.976 | 70.453 | 74.006 |
| 42.5 | 65.467 | 61.060 | 64.372 | 64.385 | 66.478 | 63.391 | 65.991 |
| 45.0 | 61.097 | 59.076 | 60.233 | 59.738 | 62.948 | 60.885 | 62.473 |
| 47.5 | 57.759 | 56.856 | 56.563 | 55.393 | 59.424 | 59.174 | 58.785 |
| 50.0 | 53.619 | 54.076 | 53.449 | 53.056 | 55.916 | 55.044 | 54.493 |
| 52.5 | 48.883 | 50.499 | 50.469 | 50.974 | 52.031 | 50.512 | 50.713 |
| 55.0 | 44.296 | 45.088 | 46.301 | 45.917 | 47.203 | 47.584 | 48.641 |
| 57.5 | 39.814 | 39.755 | 41.863 | 40.504 | 42.235 | 44.895 | 45.536 |
| 60.0 | 34.241 | 34.586 | 36.273 | 36.006 | 36.934 | 38.955 | 39.155 |
| 62.5 | 27.933 | 29.051 | 30.439 | 31.600 | 31.524 | 32.563 | 32.610 |
| 65.0 | 23.275 | 22.841 | 25.361 | 25.471 | 25.901 | 25.486 | 25.648 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00648_2 ~ SR2DMO-XT20L-E1-RDD2F-XXK-MDMWSO.IES****CANDELA TABULATION - (Cont.)**

| | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 67.5 | 19.409 | 17.561 | 20.364 | 19.933 | 20.599 | 19.110 | 19.873 |
| 70.0 | 15.033 | 13.210 | 15.182 | 16.917 | 15.612 | 16.679 | 15.549 |
| 72.5 | 11.029 | 10.972 | 11.329 | 13.530 | 13.555 | 13.388 | 12.156 |
| 75.0 | 8.076 | 9.282 | 9.162 | 10.035 | 11.142 | 9.471 | 9.003 |
| 77.5 | 6.755 | 7.726 | 6.994 | 7.751 | 6.713 | 7.323 | 5.784 |
| 80.0 | 4.670 | 5.005 | 4.798 | 4.610 | 4.732 | 5.636 | 4.058 |
| 82.5 | 2.821 | 3.744 | 2.875 | 3.847 | 3.129 | 4.246 | 3.328 |
| 85.0 | 1.698 | 2.535 | 2.012 | 1.642 | 2.313 | 3.705 | 2.204 |
| 87.5 | 2.069 | 1.867 | 1.952 | 2.062 | 1.838 | 2.111 | 2.503 |
| 90.0 | 0.243 | 1.527 | 1.015 | 0.000 | 1.631 | 0.000 | 1.288 |
| 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-00648_2 ~ SR2DMO-XT20L-E1-RDD2F-XXK-MDMWSO.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 906.66 | N.A. | 62.50 |
| 0-30 | 1237.28 | N.A. | 85.30 |
| 0-40 | 1323.6 | N.A. | 91.20 |
| 0-60 | 1412.75 | N.A. | 97.30 |
| 0-80 | 1448.34 | N.A. | 99.80 |
| 0-90 | 1451.2 | N.A. | 100.00 |
| 10-90 | 1126.97 | N.A. | 77.70 |
| 20-40 | 416.94 | N.A. | 28.70 |
| 20-50 | 464.20 | N.A. | 32.00 |
| 40-70 | 114.65 | N.A. | 7.90 |
| 60-80 | 35.59 | N.A. | 2.50 |
| 70-80 | 10.09 | N.A. | 0.70 |
| 80-90 | 2.86 | N.A. | 0.20 |
| 90-110 | 0.11 | N.A. | 0.00 |
| 90-120 | 0.11 | N.A. | 0.00 |
| 90-130 | 0.11 | N.A. | 0.00 |
| 90-150 | 0.11 | N.A. | 0.00 |
| 90-180 | 0.11 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 1451.31 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 324.23 |
| 10-20 | 582.43 |
| 20-30 | 330.63 |
| 30-40 | 86.32 |
| 40-50 | 47.26 |
| 50-60 | 41.89 |
| 60-70 | 25.50 |
| 70-80 | 10.09 |
| 80-90 | 2.86 |
| 90-100 | 0.11 |
| 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-00648_2 ~ SR2DMO-XT20L-E1-RDD2F-XXK-MDMWSO.IES

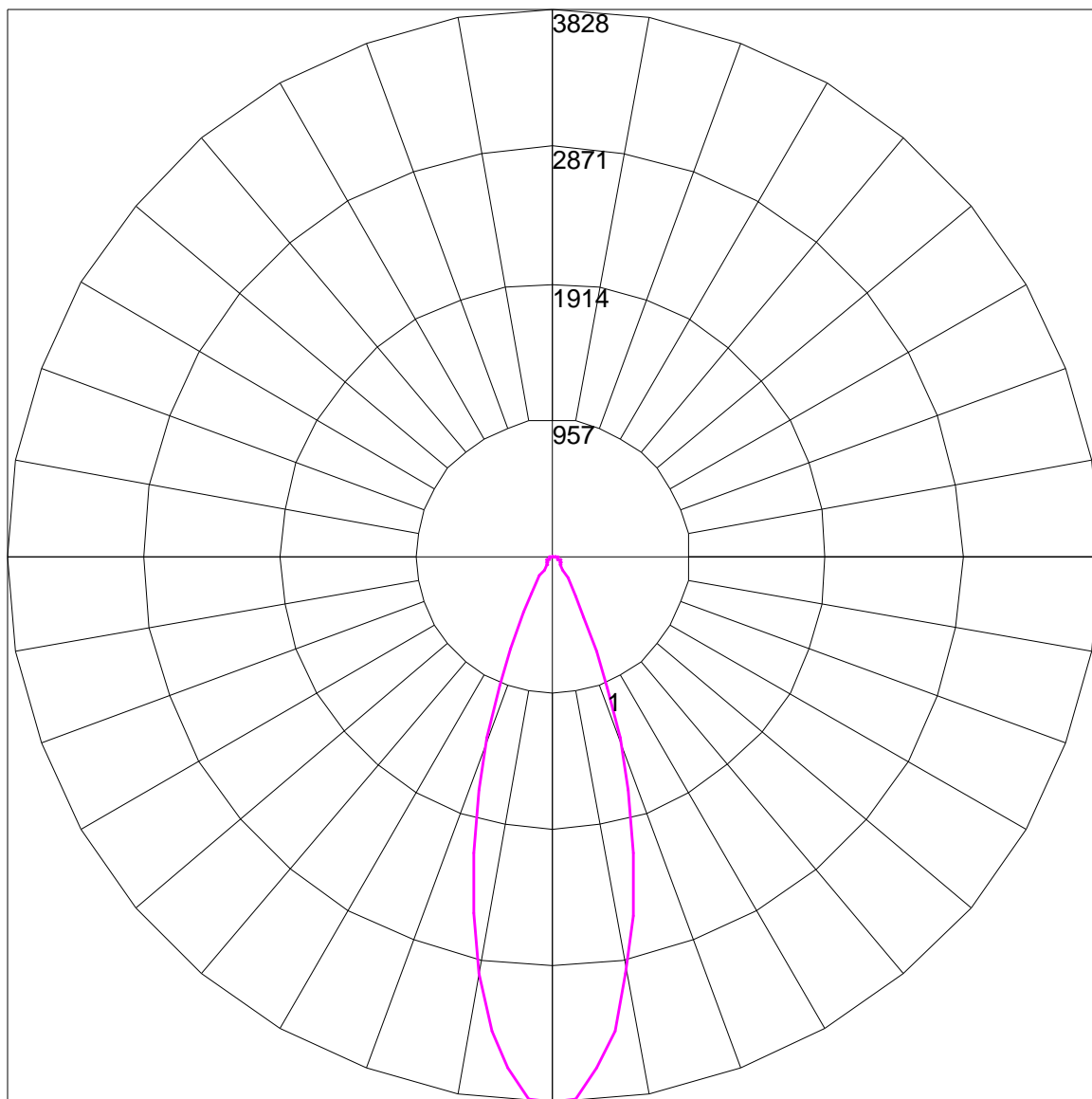
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 101 | 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 | 103 | 97 | 93 | 90 | 95 | 91 | 88 | 92 | 90 | 87 | 90 | 88 | 86 | 84 |
| 4 | 100 | 93 | 89 | 85 | 98 | 92 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 87 | 84 | 81 | 80 |
| 5 | 96 | 89 | 84 | 80 | 95 | 88 | 83 | 80 | 86 | 82 | 79 | 85 | 81 | 78 | 83 | 80 | 78 | 76 |
| 6 | 92 | 85 | 80 | 76 | 91 | 84 | 79 | 76 | 83 | 78 | 75 | 81 | 78 | 75 | 80 | 77 | 74 | 73 |
| 7 | 89 | 81 | 76 | 72 | 88 | 80 | 76 | 72 | 79 | 75 | 72 | 78 | 74 | 71 | 77 | 74 | 71 | 70 |
| 8 | 86 | 78 | 73 | 69 | 85 | 77 | 72 | 69 | 76 | 72 | 69 | 75 | 71 | 68 | 74 | 71 | 68 | 67 |
| 9 | 83 | 75 | 70 | 66 | 82 | 74 | 69 | 66 | 73 | 69 | 66 | 73 | 69 | 66 | 72 | 68 | 66 | 64 |
| 10 | 80 | 72 | 67 | 64 | 79 | 71 | 67 | 64 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 66 | 63 | 62 |

IES INDOOR REPORT
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POLAR GRAPH



Maximum Candela = 3828.417 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)