

Indoor Distribution Test Report

Spectrum Lighting Inc.

994 Jefferson Street
Fall River, MA 02721
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Spectrum Lighting Photometric Lab

Luminaire

SGRTE8XT 30L 35K MD XX AR8466XT SG GL
N/A

Test Number

SP-01205_1_M-30L

Test Date

2/11/2021

The results contained in this report pertain only to this IES file.

Summary of Results

Power

| | |
|-------------|--------|
| Input Watts | 32.2 W |
|-------------|--------|

Lumen Output

| | |
|---------------|-----------|
| Output Lumens | 1880 |
| Efficacy | 58.4 lm/W |

Luminous Dimensions

| | |
|-----------------|-------|
| 0° - 180° Size | -0.63 |
| 90° - 270° Size | -0.63 |
| Height | 0 |

Spacing Criterion

| | |
|---------------------------|------|
| Two luminaires, plane 0° | 0.5 |
| Two luminaires, plane 90° | 0.5 |
| Four luminaires | 0.68 |

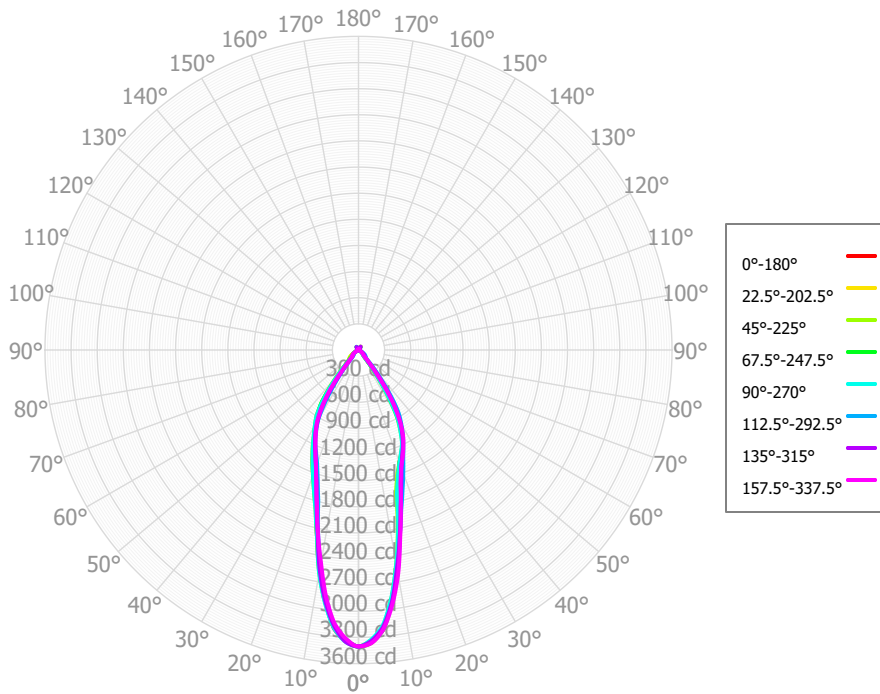
Full Beam Angle

| | |
|------------|-----|
| 0° - 180° | 33° |
| 90° - 270° | 33° |

IES File Header Contents

| Keyword | Value |
|-----------|--|
| TEST | SP-01205_1_M-30L |
| TESTLAB | Spectrum Lighting Photometric Lab, VLS-245-981 |
| MANUFAC | Spectrum Lighting |
| TESTDATE | 2/11/2021 |
| ISSUEDATE | 3/2/2021 |
| LUMCAT | SGRTE8XT 30L 35K MD XX AR8466XT SG GL |
| LUMINAIRE | N/A |
| OTHER | Beam Angle: 33 degrees |
| LAMPCAT | N/A |
| LAMP | 19mm LES |
| OTHER | LEDXT lumen output is the same for all available CCT's |
| OTHER | Total luminaire watts is approximate; includes 2 watts for thermal protector |
| OTHER | This report prepared by Spectrum Lighting, scaled from 50L |

Candela Polar Plot



Zonal Lumen Summary

| Zone | Lumens | % Fixture | Zone | Lumens | % Fixture |
|-----------------|---------|-----------|-------------------|---------|-----------|
| 0.00° - 10.00° | 286.21 | 15.22% | 90.00° - 100.00° | 0.90 | 0.05% |
| 10.00° - 20.00° | 518.15 | 27.56% | 100.00° - 110.00° | 0.91 | 0.05% |
| 20.00° - 30.00° | 547.00 | 29.09% | 100.00° - 120.00° | 2.03 | 0.11% |
| 30.00° - 40.00° | 349.82 | 18.60% | 120.00° - 130.00° | 1.62 | 0.09% |
| 40.00° - 50.00° | 84.66 | 4.50% | 130.00° - 140.00° | 2.54 | 0.14% |
| 50.00° - 60.00° | 51.16 | 2.72% | 140.00° - 150.00° | 13.55 | 0.72% |
| 60.00° - 70.00° | 12.15 | 0.65% | 150.00° - 160.00° | 6.35 | 0.34% |
| 70.00° - 80.00° | 0.92 | 0.05% | 160.00° - 170.00° | 2.25 | 0.12% |
| 80.00° - 90.00° | 0.86 | 0.05% | 170.00° - 180.00° | 0.16 | 0.01% |
| 0.00° - 90.00° | 1850.93 | 98.44% | 0.00° - 180.00° | 1880.33 | 100.00% |

Candela Distribution

| | 0.00° | 22.50° | 45.00° | 67.50° | 90.00° | 112.50° | 135.00° | 157.50° | 180.00° | 202.50° | 225.00° | 247.50° | 270.00° | 292.50° | 315.00° | 337.50° | 360.00° |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.00° | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 | 3404.25 |
| 2.50° | 3341.26 | 3367.61 | 3340.87 | 3364.81 | 3329.56 | 3328.64 | 3355.37 | 3317.62 | 3344.32 | 3331.80 | 3350.58 | 3330.33 | 3355.87 | 3355.05 | 3345.63 | 3370.07 | 3341.26 |
| 5.00° | 3225.35 | 3213.94 | 3196.86 | 3226.58 | 3177.99 | 3178.12 | 3185.27 | 3153.61 | 3212.44 | 3179.57 | 3200.06 | 3192.43 | 3209.26 | 3202.16 | 3201.80 | 3228.72 | 3225.35 |
| 7.50° | 2892.89 | 2934.02 | 2887.72 | 2924.22 | 2877.15 | 2889.90 | 2913.10 | 2856.51 | 2903.51 | 2890.58 | 2927.17 | 2882.69 | 2937.00 | 2930.03 | 2929.25 | 2958.05 | 2892.89 |
| 10.00° | 2524.48 | 2565.44 | 2493.51 | 2563.20 | 2495.74 | 2512.53 | 2563.67 | 2481.81 | 2575.47 | 2513.06 | 2595.40 | 2511.84 | 2601.19 | 2589.25 | 2543.88 | 2617.56 | 2524.48 |
| 12.50° | 2128.65 | 2119.73 | 2085.96 | 2115.70 | 2104.86 | 2146.45 | 2164.60 | 2149.72 | 2199.30 | 2175.12 | 2200.31 | 2170.23 | 2199.86 | 2188.74 | 2193.50 | 2209.99 | 2128.65 |
| 15.00° | 1729.86 | 1783.99 | 1672.92 | 1765.49 | 1709.89 | 1786.32 | 1858.46 | 1837.97 | 1883.19 | 1858.00 | 1904.13 | 1836.75 | 1903.40 | 1896.19 | 1868.33 | 1876.85 | 1729.86 |
| 17.50° | 1546.88 | 1526.84 | 1487.18 | 1532.95 | 1509.68 | 1559.58 | 1601.53 | 1614.56 | 1687.59 | 1657.05 | 1696.84 | 1663.83 | 1697.23 | 1680.80 | 1629.75 | 1603.40 | 1546.88 |
| 20.00° | 1375.04 | 1381.88 | 1374.46 | 1377.48 | 1376.94 | 1389.90 | 1429.48 | 1424.64 | 1503.92 | 1505.80 | 1528.30 | 1523.57 | 1524.63 | 1500.93 | 1442.05 | 1432.05 | 1375.04 |
| 22.50° | 1287.65 | 1303.34 | 1280.11 | 1299.85 | 1275.07 | 1273.79 | 1293.42 | 1288.25 | 1339.66 | 1353.08 | 1388.37 | 1370.92 | 1375.78 | 1342.08 | 1310.68 | 1327.80 | 1287.65 |
| 25.00° | 1198.58 | 1199.51 | 1190.31 | 1199.81 | 1181.35 | 1175.65 | 1178.60 | 1167.54 | 1197.44 | 1199.88 | 1249.12 | 1216.57 | 1240.34 | 1215.22 | 1206.46 | 1219.33 | 1198.58 |
| 27.50° | 1065.62 | 1083.59 | 1041.21 | 1081.14 | 1040.77 | 1054.33 | 1070.96 | 1057.64 | 1084.91 | 1083.90 | 1110.28 | 1100.42 | 1112.76 | 1103.66 | 1087.70 | 1108.59 | 1065.62 |
| 30.00° | 923.73 | 900.10 | 881.66 | 901.57 | 891.24 | 926.99 | 936.91 | 950.14 | 972.94 | 977.39 | 997.48 | 987.41 | 999.86 | 981.44 | 963.38 | 955.23 | 923.73 |
| 32.50° | 690.71 | 690.52 | 642.56 | 679.83 | 656.91 | 718.01 | 796.07 | 781.97 | 861.60 | 851.30 | 897.61 | 867.73 | 893.91 | 855.19 | 780.11 | 783.30 | 690.71 |
| 35.00° | 463.83 | 466.05 | 394.49 | 458.54 | 411.51 | 493.74 | 576.03 | 604.49 | 690.55 | 721.55 | 731.95 | 745.12 | 716.36 | 653.38 | 579.40 | 561.46 | 463.83 |
| 37.50° | 275.39 | 237.13 | 242.43 | 237.50 | 252.82 | 307.22 | 340.96 | 387.97 | 465.01 | 491.79 | 539.86 | 495.58 | 512.00 | 428.98 | 373.19 | 322.55 | 275.39 |
| 40.00° | 117.80 | 145.13 | 96.12 | 134.90 | 100.36 | 125.51 | 212.21 | 167.83 | 293.67 | 249.76 | 352.52 | 257.29 | 318.77 | 268.22 | 165.73 | 194.10 | 117.80 |
| 42.50° | 95.11 | 84.26 | 83.35 | 86.08 | 80.53 | 94.49 | 96.75 | 127.94 | 163.59 | 190.92 | 166.66 | 177.93 | 128.81 | 121.59 | 118.57 | 94.39 | 95.11 |
| 45.00° | 77.50 | 75.54 | 71.93 | 68.83 | 63.51 | 73.85 | 91.30 | 95.77 | 114.37 | 144.73 | 134.75 | 106.28 | 91.11 | 105.55 | 96.44 | 73.10 | 77.50 |
| 47.50° | 76.81 | 75.09 | 67.45 | 63.11 | 57.09 | 73.36 | 93.22 | 93.53 | 115.51 | 138.35 | 138.88 | 94.30 | 86.65 | 110.21 | 91.45 | 66.92 | 76.81 |
| 50.00° | 73.08 | 66.82 | 62.46 | 54.08 | 50.55 | 72.93 | 88.13 | 90.51 | 103.78 | 132.03 | 125.27 | 81.78 | 79.67 | 102.66 | 88.15 | 56.53 | 73.08 |
| 52.50° | 61.51 | 57.79 | 52.08 | 44.12 | 42.56 | 63.85 | 82.56 | 74.56 | 85.45 | 105.95 | 108.65 | 66.38 | 72.31 | 93.92 | 73.93 | 45.61 | 61.51 |
| 55.00° | 49.54 | 46.89 | 41.99 | 36.01 | 34.75 | 54.70 | 65.61 | 58.82 | 67.22 | 80.48 | 87.57 | 52.32 | 64.35 | 78.02 | 59.25 | 36.16 | 49.54 |
| 57.50° | 36.75 | 35.92 | 33.83 | 28.28 | 28.28 | 44.89 | 49.06 | 44.97 | 49.04 | 62.18 | 66.01 | 43.39 | 56.35 | 61.81 | 46.67 | 26.81 | 36.75 |
| 60.00° | 25.30 | 28.31 | 25.55 | 22.31 | 21.60 | 34.75 | 37.12 | 31.12 | 34.40 | 43.63 | 47.16 | 32.95 | 43.60 | 44.77 | 33.97 | 21.48 | 25.30 |
| 62.50° | 16.10 | 20.59 | 16.76 | 16.58 | 13.83 | 22.39 | 25.05 | 17.29 | 20.91 | 23.25 | 28.44 | 18.06 | 30.65 | 27.90 | 19.16 | 16.16 | 16.10 |
| 65.00° | 8.64 | 10.68 | 8.89 | 9.28 | 6.99 | 11.13 | 12.05 | 5.59 | 11.12 | 5.87 | 14.75 | 6.59 | 15.47 | 13.92 | 5.57 | 8.55 | 8.64 |
| 67.50° | 3.59 | 1.69 | 4.14 | 1.85 | 3.56 | 5.19 | 1.25 | 2.70 | 2.23 | 3.12 | 1.66 | 3.03 | 1.13 | 1.30 | 2.90 | 1.49 | 3.59 |
| 70.00° | 0.99 | 1.14 | 0.69 | 1.37 | 1.05 | 0.60 | 0.95 | 0.56 | 0.87 | 0.99 | 1.12 | 0.69 | 1.03 | 1.05 | 0.62 | 1.24 | 0.99 |
| 72.50° | 1.16 | 0.69 | 0.72 | 1.13 | 1.14 | 0.84 | 0.74 | 0.78 | 0.82 | 1.03 | 0.64 | 0.65 | 0.94 | 0.85 | 0.62 | 1.02 | 1.16 |
| 75.00° | 1.14 | 0.76 | 0.73 | 1.00 | 1.18 | 0.98 | 0.79 | 0.90 | 0.86 | 1.01 | 0.69 | 0.66 | 0.91 | 0.91 | 0.65 | 1.00 | 1.14 |
| 77.50° | 0.95 | 0.82 | 0.71 | 0.87 | 1.12 | 0.83 | 0.85 | 0.78 | 0.91 | 0.83 | 0.72 | 0.76 | 0.88 | 0.94 | 0.76 | 0.94 | 0.95 |
| 80.00° | 0.81 | 0.81 | 0.70 | 0.90 | 0.99 | 0.76 | 0.92 | 0.73 | 0.81 | 0.70 | 0.59 | 0.81 | 0.84 | 0.91 | 0.86 | 0.69 | 0.81 |
| 82.50° | 0.73 | 0.80 | 0.72 | 0.91 | 0.75 | 0.84 | 0.91 | 0.80 | 0.70 | 0.71 | 0.51 | 0.81 | 0.82 | 0.90 | 0.91 | 0.50 | 0.73 |
| 85.00° | 0.74 | 0.82 | 0.69 | 0.88 | 0.60 | 0.90 | 0.71 | 0.85 | 0.75 | 0.71 | 0.63 | 0.85 | 0.89 | 0.96 | 0.93 | 0.58 | 0.74 |
| 87.50° | 0.83 | 0.80 | 0.60 | 0.86 | 0.60 | 0.95 | 0.64 | 0.86 | 0.81 | 0.70 | 0.73 | 0.93 | 0.93 | 1.03 | 0.89 | 0.66 | 0.83 |
| 90.00° | 0.84 | 0.73 | 0.56 | 0.89 | 0.68 | 0.93 | 0.79 | 0.88 | 0.87 | 0.69 | 0.74 | 0.99 | 0.93 | 1.15 | 0.87 | 0.74 | 0.84 |
| 92.50° | 0.81 | 0.70 | 0.57 | 0.90 | 0.86 | 0.84 | 0.85 | 0.90 | 0.91 | 0.66 | 0.72 | 1.04 | 0.89 | 1.15 | 0.89 | 0.84 | 0.81 |
| 95.00° | 0.82 | 0.77 | 0.66 | 0.85 | 0.94 | 0.80 | 0.77 | 0.90 | 0.72 | 0.65 | 0.61 | 0.94 | 0.74 | 0.94 | 0.90 | 0.98 | 0.82 |
| 97.50° | 0.84 | 0.81 | 0.82 | 0.88 | 0.93 | 0.84 | 0.75 | 0.88 | 0.59 | 0.68 | 0.57 | 0.74 | 0.69 | 0.83 | 0.90 | 1.01 | 0.84 |
| 100.00° | 0.86 | 0.82 | 0.90 | 1.14 | 1.01 | 0.78 | 0.80 | 0.82 | 0.83 | 0.75 | 0.70 | 0.77 | 0.83 | 0.88 | 0.83 | 0.85 | 0.86 |
| 102.50° | 0.88 | 0.78 | 0.93 | 1.28 | 1.18 | 0.61 | 0.85 | 0.72 | 1.00 | 0.87 | 0.83 | 0.92 | 0.90 | 0.89 | 0.66 | 0.82 | 0.88 |
| 105.00° | 0.73 | 0.67 | 0.85 | 1.15 | 1.17 | 0.58 | 0.90 | 0.68 | 0.85 | 0.88 | 0.99 | 0.93 | 0.87 | 0.84 | 0.63 | 0.96 | 0.73 |
| 107.50° | 0.54 | 0.74 | 0.70 | 1.10 | 1.04 | 0.66 | 0.86 | 0.69 | 0.71 | 0.81 | 1.00 | 0.87 | 0.84 | 0.91 | 0.73 | 1.10 | 0.54 |
| 110.00° | 0.76 | 1.00 | 0.79 | 1.22 | 1.03 | 0.72 | 0.75 | 0.73 | 0.63 | 0.84 | 0.80 | 0.84 | 0.83 | 1.11 | 0.83 | 1.22 | 0.76 |
| 112.50° | 1.05 | 1.34 | 1.01 | 1.21 | 1.08 | 0.76 | 0.71 | 0.78 | 0.63 | 0.95 | 0.72 | 0.82 | 0.90 | 1.11 | 0.93 | 1.43 | 1.05 |

Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

| | | | | | | | | | | | | | | | | | | |
|------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RCR | pfc | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 0% |
| | pcc | 80% | 80% | 80% | 80% | 70% | 70% | 70% | 70% | 50% | 50% | 50% | 30% | 30% | 30% | 10% | 10% | 0% |
| | pw | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 30% |
| | 0 | 2231 | 2231 | 2231 | 2231 | 2176 | 2176 | 2176 | 2176 | 2073 | 2073 | 2073 | 1978 | 1978 | 1978 | 1892 | 1892 | 1851 |
| | 1 | 2129 | 2078 | 2032 | 1990 | 2080 | 2034 | 1993 | 1956 | 1953 | 1920 | 1890 | 1878 | 1852 | 1829 | 1809 | 1789 | 1751 |
| | 2 | 2026 | 1936 | 1861 | 1799 | 1981 | 1901 | 1833 | 1776 | 1835 | 1780 | 1733 | 1775 | 1731 | 1692 | 1719 | 1684 | 1649 |
| | 3 | 1926 | 1808 | 1716 | 1643 | 1886 | 1780 | 1696 | 1628 | 1726 | 1656 | 1599 | 1677 | 1619 | 1570 | 1631 | 1583 | 1551 |
| | 4 | 1832 | 1693 | 1592 | 1514 | 1796 | 1670 | 1576 | 1504 | 1626 | 1546 | 1483 | 1585 | 1517 | 1462 | 1547 | 1490 | 1461 |
| | 5 | 1743 | 1590 | 1483 | 1405 | 1711 | 1571 | 1471 | 1397 | 1534 | 1448 | 1382 | 1500 | 1426 | 1367 | 1468 | 1404 | 1377 |
| | 6 | 1660 | 1498 | 1388 | 1310 | 1631 | 1481 | 1379 | 1304 | 1450 | 1360 | 1293 | 1422 | 1343 | 1282 | 1395 | 1325 | 1301 |
| | 7 | 1583 | 1414 | 1304 | 1227 | 1557 | 1400 | 1296 | 1223 | 1374 | 1282 | 1215 | 1349 | 1267 | 1206 | 1326 | 1253 | 1232 |
| | 8 | 1511 | 1338 | 1229 | 1154 | 1487 | 1326 | 1223 | 1151 | 1304 | 1211 | 1144 | 1282 | 1199 | 1138 | 1262 | 1188 | 1168 |
| | 9 | 1444 | 1269 | 1162 | 1089 | 1422 | 1259 | 1157 | 1087 | 1239 | 1147 | 1082 | 1221 | 1137 | 1077 | 1204 | 1127 | 1109 |
| | 10 | 1382 | 1206 | 1101 | 1031 | 1362 | 1197 | 1097 | 1029 | 1180 | 1088 | 1025 | 1164 | 1080 | 1021 | 1149 | 1072 | 1056 |

Cone of Light

| Mtg Height | Light Level | Beam Diameter |
|------------|-------------|---------------|
| 5.5 ft | 112.5 fc | 3.0 ft |
| 6.5 ft | 80.6 fc | 3.5 ft |
| 7.5 ft | 60.5 fc | 4.1 ft |
| 8.0 ft | 53.2 fc | 4.4 ft |
| 10.0 ft | 34.0 fc | 5.4 ft |
| 12.0 ft | 23.6 fc | 6.5 ft |
| 14.0 ft | 17.4 fc | 7.6 ft |
| 16.0 ft | 13.3 fc | 8.7 ft |
| 20.0 ft | 8.5 fc | 10.9 ft |
| 24.0 ft | 5.9 fc | 13.1 ft |
| 28.0 ft | 4.3 fc | 15.3 ft |

Average Luminaire Luminance [cd/m²]

| | 0.00° | 45.00° | 90.00° |
|---------------|--------|--------|--------|
| 0.00° | 117549 | 117549 | 117549 |
| 45.00° | 3785 | 3513 | 3101 |
| 55.00° | 2983 | 2528 | 2092 |
| 65.00° | 706 | 726 | 571 |
| 75.00° | 152 | 98 | 157 |
| 85.00° | 294 | 272 | 239 |

UGR CIE 190:2010

| Ceiling reflectance | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
|---------------------|-----|------------------|-----|-----|-----|-----|----------------|-----|-----|------|------|
| Wall reflectance | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Plane reflectance | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| 2H | 2H | 6.7 | 7.7 | 7.1 | 8.0 | 8.4 | 8.8 | 9.8 | 9.2 | 10.1 | 10.5 |
| | 3H | 6.5 | 7.4 | 7.0 | 7.8 | 8.2 | 8.6 | 9.5 | 9.0 | 9.8 | 10.2 |
| | 4H | 6.4 | 7.2 | 6.9 | 7.6 | 8.1 | 8.5 | 9.3 | 8.9 | 9.7 | 10.1 |
| | 6H | 6.4 | 7.1 | 6.8 | 7.5 | 7.9 | 8.4 | 9.1 | 8.9 | 9.5 | 10.0 |
| | 8H | 6.3 | 7.0 | 6.8 | 7.4 | 7.9 | 8.4 | 9.0 | 8.8 | 9.5 | 9.9 |
| | 12H | 6.3 | 6.9 | 6.7 | 7.3 | 7.8 | 8.3 | 8.9 | 8.8 | 9.4 | 9.8 |
| 4H | 2H | 6.5 | 7.3 | 7.0 | 7.7 | 8.1 | 8.7 | 9.5 | 9.1 | 9.8 | 10.3 |
| | 3H | 6.3 | 7.0 | 6.8 | 7.4 | 7.9 | 8.5 | 9.1 | 8.9 | 9.6 | 10.0 |
| | 4H | 6.2 | 6.8 | 6.7 | 7.3 | 7.7 | 8.4 | 8.9 | 8.8 | 9.4 | 9.9 |
| | 6H | 6.1 | 6.6 | 6.6 | 7.1 | 7.6 | 8.3 | 8.8 | 8.8 | 9.2 | 9.7 |
| | 8H | 6.1 | 6.5 | 6.6 | 7.0 | 7.5 | 8.2 | 8.7 | 8.7 | 9.1 | 9.6 |
| | 12H | 6.0 | 6.4 | 6.6 | 6.9 | 7.5 | 8.1 | 8.5 | 8.7 | 9.1 | 9.6 |
| 8H | 4H | 6.1 | 6.5 | 6.6 | 7.0 | 7.5 | 8.2 | 8.6 | 8.7 | 9.1 | 9.6 |
| | 6H | 6.0 | 6.3 | 6.5 | 6.9 | 7.4 | 8.1 | 8.4 | 8.6 | 9.0 | 9.5 |
| | 8H | 5.9 | 6.2 | 6.5 | 6.8 | 7.3 | 8.0 | 8.3 | 8.6 | 8.9 | 9.4 |
| | 12H | 5.9 | 6.2 | 6.4 | 6.7 | 7.3 | 8.0 | 8.3 | 8.5 | 8.8 | 9.4 |
| 12H | 4H | 6.0 | 6.4 | 6.5 | 6.9 | 7.4 | 8.1 | 8.5 | 8.6 | 9.0 | 9.5 |
| | 6H | 5.9 | 6.2 | 6.5 | 6.7 | 7.3 | 8.0 | 8.3 | 8.6 | 8.8 | 9.4 |
| | 8H | 5.9 | 6.1 | 6.4 | 6.7 | 7.3 | 8.0 | 8.2 | 8.5 | 8.8 | 9.4 |

Corrected UGR values based on total output energy
 SHR = 1.0

Corrected UGR values based on total output lumens

SHR = 1.0