

Indoor Distribution Test Report

Spectrum Lighting Inc.

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

Luminaire

CL0612GV 55L 35K XX TF2 MWI MW

Nom 12" diam downlight with frosted diffuser and matte white interior

Test Number

SP-01250

Test Date

6/16/2021

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

Summary of Results

Power

| | |
|-------------|--------|
| Input Watts | 39.1 W |
|-------------|--------|

Lumen Output

| | |
|---------------|-------------|
| Output Lumens | 4502 |
| Efficacy | 115.13 lm/W |

Luminous Dimensions

| | |
|-----------------|----|
| 0° - 180° Size | -1 |
| 90° - 270° Size | -1 |
| Height | 0 |

Spacing Criterion

| | |
|---------------------------|------|
| Two luminaires, plane 0° | 1.32 |
| Two luminaires, plane 90° | 1.32 |
| Four luminaires | 1.45 |

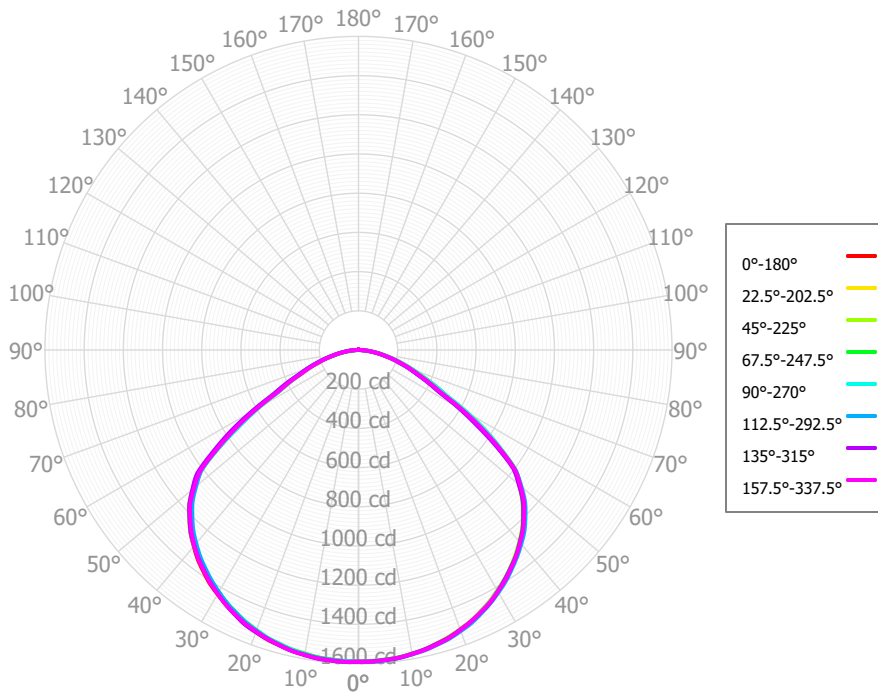
Full Beam Angle

| | |
|------------|------|
| 0° - 180° | 113° |
| 90° - 270° | 113° |

IES File Header Contents

| Keyword | Value |
|-----------|---|
| TEST | SP-01250 |
| TESTLAB | Spectrum Lighting Photometric Lab, VLS-245-981 |
| MANUFAC | Spectrum Lighting |
| TESTDATE | 6/16/2021 |
| ISSUEDATE | 7/6/2021 |
| LUMCAT | CL0612GV 55L 35K XX TF2 MWI MW |
| LUMINAIRE | Nom 12" diam downlight with frosted diffuser and matte white interior |
| OTHER | Beam angle: |
| LAMPCAT | GV 55L |
| LAMP | N/A |
| OTHER | CCT Output Multipliers: 27K x 0.97, 30K x 0.99, 40K x 1.03 |
| OTHER | Total luminaire wattage is approximate |
| OTHER | This report prepared by Spectrum Lighting |
| _CRI | 80+ |
| _CCTMULT | 27K x 0.97, 30K x 0.99, 40K x 1.03 |
| _LAMPMULT | 15L x 0.27, 27L x 0.47, 37L x 0.68 |

Candela Polar Plot



Zonal Lumen Summary

| Zone | Lumens | % Fixture | Zone | Lumens | % Fixture |
|-----------------|---------|-----------|-------------------|---------|-----------|
| 0.00° - 10.00° | 153.57 | 3.41% | 90.00° - 100.00° | 2.83 | 0.06% |
| 10.00° - 20.00° | 439.45 | 9.76% | 100.00° - 110.00° | 1.64 | 0.04% |
| 20.00° - 30.00° | 683.05 | 15.17% | 100.00° - 120.00° | 3.32 | 0.07% |
| 30.00° - 40.00° | 854.06 | 18.97% | 120.00° - 130.00° | 1.59 | 0.04% |
| 40.00° - 50.00° | 925.81 | 20.57% | 130.00° - 140.00° | 1.46 | 0.03% |
| 50.00° - 60.00° | 778.06 | 17.28% | 140.00° - 150.00° | 1.16 | 0.03% |
| 60.00° - 70.00° | 408.51 | 9.07% | 150.00° - 160.00° | 0.90 | 0.02% |
| 70.00° - 80.00° | 194.93 | 4.33% | 160.00° - 170.00° | 0.56 | 0.01% |
| 80.00° - 90.00° | 52.05 | 1.16% | 170.00° - 180.00° | 0.19 | 0.00% |
| 0.00° - 90.00° | 4489.49 | 99.73% | 0.00° - 180.00° | 4501.50 | 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° | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 | 1591.18 |
| 2.50° | 1590.89 | 1592.21 | 1589.02 | 1588.75 | 1589.63 | 1592.19 | 1593.46 | 1592.69 | 1589.54 | 1592.56 | 1590.72 | 1589.82 | 1589.40 | 1593.56 | 1590.45 | 1591.74 | 1590.89 |
| 5.00° | 1586.91 | 1588.43 | 1586.35 | 1585.45 | 1587.44 | 1588.57 | 1591.51 | 1590.13 | 1587.75 | 1588.63 | 1587.93 | 1585.68 | 1587.94 | 1589.61 | 1587.62 | 1587.76 | 1586.91 |
| 7.50° | 1582.83 | 1584.22 | 1583.02 | 1582.14 | 1585.08 | 1584.46 | 1589.10 | 1587.08 | 1585.93 | 1584.26 | 1584.63 | 1581.51 | 1586.42 | 1584.97 | 1584.69 | 1583.36 | 1582.83 |
| 10.00° | 1573.83 | 1575.65 | 1574.93 | 1574.13 | 1577.33 | 1577.71 | 1581.24 | 1579.98 | 1579.05 | 1576.13 | 1576.68 | 1573.48 | 1577.07 | 1576.30 | 1575.05 | 1575.77 | 1573.83 |
| 12.50° | 1564.73 | 1566.52 | 1566.01 | 1566.10 | 1569.41 | 1570.46 | 1573.05 | 1572.24 | 1571.99 | 1567.65 | 1568.04 | 1565.42 | 1567.36 | 1567.26 | 1564.81 | 1567.74 | 1564.73 |
| 15.00° | 1550.40 | 1552.98 | 1550.85 | 1553.86 | 1556.50 | 1557.30 | 1560.29 | 1558.76 | 1560.27 | 1556.03 | 1555.87 | 1552.83 | 1554.65 | 1556.02 | 1551.53 | 1554.74 | 1550.40 |
| 17.50° | 1536.02 | 1538.82 | 1535.39 | 1541.60 | 1543.39 | 1543.00 | 1547.36 | 1544.97 | 1548.38 | 1543.79 | 1543.12 | 1540.15 | 1541.77 | 1543.92 | 1537.96 | 1541.04 | 1536.02 |
| 20.00° | 1517.31 | 1520.91 | 1517.58 | 1522.11 | 1523.37 | 1524.59 | 1531.99 | 1528.32 | 1531.51 | 1525.81 | 1526.65 | 1521.12 | 1523.12 | 1526.40 | 1519.05 | 1521.44 | 1517.31 |
| 22.50° | 1498.53 | 1502.47 | 1498.93 | 1502.58 | 1503.25 | 1505.34 | 1516.01 | 1511.04 | 1514.41 | 1507.28 | 1509.58 | 1501.97 | 1504.13 | 1507.87 | 1499.62 | 1500.99 | 1498.53 |
| 25.00° | 1473.64 | 1478.09 | 1473.68 | 1477.51 | 1477.70 | 1481.07 | 1490.96 | 1488.07 | 1489.88 | 1483.21 | 1485.64 | 1478.14 | 1480.09 | 1482.94 | 1477.25 | 1476.83 | 1473.64 |
| 27.50° | 1448.71 | 1452.86 | 1447.97 | 1452.35 | 1452.08 | 1455.76 | 1465.70 | 1464.63 | 1465.00 | 1458.93 | 1460.57 | 1454.22 | 1455.75 | 1457.46 | 1454.57 | 1452.10 | 1448.71 |
| 30.00° | 1418.32 | 1424.28 | 1418.27 | 1420.93 | 1421.83 | 1425.78 | 1436.61 | 1436.39 | 1438.78 | 1432.64 | 1432.95 | 1425.91 | 1428.05 | 1428.54 | 1422.67 | 1423.03 | 1418.32 |
| 32.50° | 1387.94 | 1395.17 | 1387.95 | 1389.39 | 1391.52 | 1394.83 | 1407.30 | 1407.80 | 1412.50 | 1405.64 | 1404.88 | 1397.47 | 1400.12 | 1398.92 | 1389.73 | 1393.29 | 1387.94 |
| 35.00° | 1356.11 | 1360.43 | 1352.24 | 1355.04 | 1357.41 | 1361.40 | 1374.28 | 1375.53 | 1379.96 | 1371.24 | 1373.05 | 1366.38 | 1367.99 | 1364.46 | 1355.55 | 1358.74 | 1356.11 |
| 37.50° | 1324.28 | 1324.80 | 1316.15 | 1320.63 | 1323.26 | 1327.43 | 1341.07 | 1342.55 | 1347.04 | 1336.57 | 1340.54 | 1335.20 | 1335.57 | 1329.63 | 1321.22 | 1323.44 | 1324.28 |
| 40.00° | 1282.55 | 1285.12 | 1276.69 | 1280.04 | 1283.61 | 1288.30 | 1304.22 | 1302.11 | 1307.70 | 1298.71 | 1304.34 | 1297.88 | 1296.08 | 1292.25 | 1281.04 | 1283.90 | 1282.55 |
| 42.50° | 1240.80 | 1244.79 | 1236.18 | 1239.28 | 1243.90 | 1247.99 | 1266.91 | 1261.11 | 1267.97 | 1260.05 | 1267.49 | 1260.37 | 1256.08 | 1253.45 | 1240.17 | 1243.63 | 1240.80 |
| 45.00° | 1190.44 | 1195.02 | 1185.29 | 1188.03 | 1194.41 | 1199.34 | 1219.46 | 1213.67 | 1219.26 | 1211.81 | 1221.15 | 1212.66 | 1207.73 | 1204.57 | 1189.36 | 1195.44 | 1190.44 |
| 47.50° | 1140.05 | 1143.65 | 1133.24 | 1136.46 | 1144.84 | 1148.78 | 1171.29 | 1164.59 | 1169.99 | 1161.80 | 1172.99 | 1164.53 | 1158.69 | 1153.50 | 1137.28 | 1145.89 | 1140.05 |
| 50.00° | 1072.34 | 1079.45 | 1069.57 | 1073.00 | 1079.52 | 1081.96 | 1106.66 | 1095.41 | 1101.18 | 1090.14 | 1103.12 | 1091.83 | 1087.00 | 1085.62 | 1068.29 | 1079.00 | 1072.34 |
| 52.50° | 1004.43 | 1013.03 | 1000.70 | 1009.15 | 1014.19 | 1011.41 | 1039.29 | 1021.04 | 1030.95 | 1013.69 | 1029.04 | 1018.08 | 1013.40 | 1010.13 | 997.12 | 1009.10 | 1004.43 |
| 55.00° | 871.32 | 893.91 | 878.57 | 892.12 | 892.86 | 887.10 | 907.26 | 882.05 | 894.47 | 870.54 | 893.62 | 872.22 | 869.40 | 875.19 | 861.37 | 882.88 | 871.32 |
| 57.50° | 737.32 | 765.53 | 755.58 | 772.90 | 771.35 | 749.70 | 774.85 | 742.90 | 753.09 | 727.76 | 746.18 | 723.17 | 719.36 | 739.85 | 717.19 | 746.19 | 737.32 |
| 60.00° | 604.61 | 632.97 | 622.72 | 641.72 | 638.42 | 618.11 | 631.07 | 601.76 | 614.02 | 590.26 | 610.43 | 589.39 | 588.72 | 601.25 | 588.65 | 613.33 | 604.61 |
| 62.50° | 471.91 | 499.62 | 494.26 | 510.03 | 505.44 | 487.96 | 489.26 | 464.82 | 475.14 | 457.04 | 477.14 | 456.45 | 459.94 | 469.46 | 462.32 | 481.18 | 471.91 |
| 65.00° | 400.40 | 417.47 | 417.34 | 431.12 | 426.06 | 404.36 | 410.20 | 389.17 | 395.27 | 386.29 | 395.94 | 386.29 | 388.25 | 396.80 | 388.62 | 403.09 | 400.40 |
| 67.50° | 330.12 | 345.04 | 342.26 | 354.57 | 347.03 | 332.33 | 331.89 | 315.11 | 320.48 | 316.63 | 325.73 | 319.63 | 322.16 | 326.38 | 322.49 | 335.27 | 330.12 |
| 70.00° | 278.60 | 291.40 | 289.04 | 297.57 | 292.92 | 277.52 | 278.61 | 264.98 | 269.68 | 265.42 | 273.13 | 269.77 | 270.83 | 275.65 | 271.73 | 281.79 | 278.60 |
| 72.50° | 227.57 | 241.38 | 236.32 | 241.63 | 239.19 | 227.22 | 225.55 | 215.36 | 220.98 | 214.65 | 224.28 | 220.88 | 220.96 | 225.61 | 223.21 | 231.22 | 227.57 |
| 75.00° | 184.41 | 194.99 | 190.30 | 194.89 | 193.28 | 181.93 | 182.87 | 173.73 | 178.32 | 171.83 | 179.49 | 175.24 | 175.88 | 181.70 | 179.31 | 186.07 | 184.41 |
| 77.50° | 141.47 | 149.33 | 144.97 | 148.65 | 147.50 | 137.96 | 140.38 | 132.60 | 136.20 | 129.57 | 135.61 | 129.83 | 131.31 | 138.60 | 136.14 | 142.04 | 141.47 |
| 80.00° | 107.04 | 112.67 | 109.52 | 113.41 | 111.03 | 103.84 | 107.48 | 100.52 | 102.69 | 97.40 | 100.85 | 97.64 | 98.33 | 103.54 | 102.27 | 108.00 | 107.04 |
| 82.50° | 72.89 | 77.88 | 74.52 | 78.80 | 74.73 | 72.36 | 74.71 | 68.76 | 70.05 | 65.55 | 68.17 | 66.36 | 66.66 | 69.27 | 69.87 | 76.03 | 72.89 |
| 85.00° | 43.99 | 49.08 | 46.04 | 50.36 | 47.89 | 45.53 | 48.86 | 43.03 | 44.49 | 40.89 | 41.91 | 39.65 | 39.89 | 43.01 | 42.15 | 46.49 | 43.99 |
| 87.50° | 15.28 | 21.54 | 18.68 | 22.34 | 21.30 | 20.02 | 23.14 | 18.16 | 19.65 | 16.93 | 17.14 | 13.25 | 13.69 | 18.29 | 15.18 | 17.48 | 15.28 |
| 90.00° | 8.20 | 10.59 | 9.94 | 11.59 | 11.24 | 9.28 | 12.07 | 9.67 | 10.11 | 9.02 | 7.90 | 6.62 | 6.79 | 9.50 | 6.94 | 7.77 | 8.20 |
| 92.50° | 1.97 | 3.23 | 1.68 | 2.04 | 1.66 | 2.74 | 1.08 | 1.54 | 2.15 | 1.44 | 2.45 | 1.58 | 2.12 | 1.41 | 1.96 | 2.35 | 1.97 |
| 95.00° | 1.55 | 1.83 | 1.70 | 1.47 | 1.22 | 1.30 | 1.44 | 1.62 | 1.47 | 1.66 | 1.48 | 1.10 | 1.58 | 1.38 | 1.43 | 1.49 | 1.55 |
| 97.50° | 1.37 | 1.77 | 1.72 | 1.52 | 1.07 | 1.32 | 1.80 | 1.70 | 1.62 | 1.87 | 1.62 | 1.00 | 1.57 | 1.38 | 1.67 | 1.65 | 1.37 |
| 100.00° | 1.54 | 1.65 | 1.65 | 1.54 | 1.28 | 1.24 | 1.47 | 1.67 | 1.52 | 1.67 | 1.72 | 1.09 | 1.59 | 1.74 | 1.80 | 1.50 | 1.54 |
| 102.50° | 1.72 | 1.51 | 1.60 | 1.56 | 1.51 | 1.13 | 1.13 | 1.64 | 1.38 | 1.48 | 1.82 | 1.19 | 1.62 | 2.05 | 1.91 | 1.27 | 1.72 |
| 105.00° | 1.82 | 1.65 | 1.67 | 1.57 | 1.35 | 1.13 | 1.36 | 1.64 | 1.40 | 1.33 | 1.62 | 1.44 | 1.69 | 1.78 | 1.71 | 1.51 | 1.82 |
| 107.50° | 1.92 | 1.86 | 1.76 | 1.58 | 1.17 | 1.16 | 1.60 | 1.64 | 1.43 | 1.19 | 1.35 | 1.70 | 1.76 | 1.51 | 1.46 | 1.86 | 1.92 |
| 110.00° | 1.95 | 1.90 | 2.02 | 1.70 | 1.36 | 1.20 | 1.86 | 1.49 | 1.45 | 1.24 | 1.42 | 1.54 | 1.80 | 1.31 | 1.54 | 1.84 | 1.95 |
| 112.50° | 1.97 | 1.89 | 2.27 | 1.82 | 1.57 | 1.23 | 2.12 | 1.34 | 1.47 | 1.31 | 1.58 | 1.34 | 1.83 | 1.14 | 1.68 | 1.73 | 1.97 |

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 | 5356 | 5356 | 5356 | 5356 | 5230 | 5230 | 5230 | 5230 | 4995 | 4995 | 4995 | 4780 | 4780 | 4780 | 4582 | 4582 | 4489 |
| | 1 | 4934 | 4736 | 4559 | 4399 | 4812 | 4634 | 4473 | 4327 | 4442 | 4309 | 4188 | 4265 | 4158 | 4058 | 4102 | 4017 | 3936 |
| | 2 | 4512 | 4164 | 3876 | 3635 | 4395 | 4079 | 3815 | 3591 | 3919 | 3697 | 3506 | 3771 | 3587 | 3424 | 3635 | 3483 | 3347 |
| | 3 | 4127 | 3676 | 3327 | 3049 | 4017 | 3605 | 3282 | 3021 | 3471 | 3194 | 2966 | 3347 | 3111 | 2914 | 3232 | 3033 | 2863 |
| | 4 | 3785 | 3266 | 2886 | 2596 | 3683 | 3206 | 2852 | 2578 | 3093 | 2785 | 2541 | 2988 | 2722 | 2506 | 2891 | 2661 | 2471 |
| | 5 | 3483 | 2922 | 2530 | 2240 | 3389 | 2871 | 2503 | 2227 | 2775 | 2451 | 2202 | 2686 | 2401 | 2177 | 2603 | 2353 | 2153 |
| | 6 | 3216 | 2631 | 2238 | 1956 | 3130 | 2588 | 2216 | 1947 | 2506 | 2175 | 1928 | 2430 | 2136 | 1911 | 2359 | 2098 | 1893 |
| | 7 | 2981 | 2384 | 1997 | 1725 | 2903 | 2347 | 1980 | 1719 | 2277 | 1946 | 1705 | 2212 | 1914 | 1692 | 2150 | 1883 | 1679 |
| | 8 | 2772 | 2173 | 1796 | 1536 | 2702 | 2141 | 1782 | 1531 | 2081 | 1754 | 1521 | 2025 | 1728 | 1511 | 1972 | 1703 | 1502 |
| | 9 | 2588 | 1992 | 1626 | 1379 | 2524 | 1964 | 1615 | 1376 | 1912 | 1592 | 1368 | 1863 | 1570 | 1360 | 1817 | 1549 | 1353 |
| | 10 | 2424 | 1835 | 1482 | 1248 | 2366 | 1811 | 1473 | 1245 | 1766 | 1454 | 1239 | 1723 | 1436 | 1233 | 1683 | 1418 | 1227 |

Cone of Light

| Mtg Height | Light Level | Beam Diameter |
|------------|-------------|---------------|
| 5.5 ft | 52.6 fc | 16.7 ft |
| 6.5 ft | 37.7 fc | 19.8 ft |
| 7.5 ft | 28.3 fc | 22.8 ft |
| 8.0 ft | 24.9 fc | 24.3 ft |
| 10.0 ft | 15.9 fc | 30.4 ft |
| 12.0 ft | 11.0 fc | 36.5 ft |
| 14.0 ft | 8.1 fc | 42.6 ft |
| 16.0 ft | 6.2 fc | 48.7 ft |
| 20.0 ft | 4.0 fc | 60.9 ft |
| 24.0 ft | 2.8 fc | 73.0 ft |
| 28.0 ft | 2.0 fc | 85.2 ft |

Average Luminaire Luminance [cd/m²]

| | 0.00° | 45.00° | 90.00° |
|--------|-------|--------|--------|
| 0.00° | 21807 | 21807 | 21807 |
| 45.00° | 23073 | 22973 | 23150 |
| 55.00° | 20819 | 20993 | 21334 |
| 65.00° | 12984 | 13534 | 13817 |
| 75.00° | 9765 | 10077 | 10234 |
| 85.00° | 6917 | 7240 | 7530 |

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 | 21.6 | 23.2 | 22.0 | 23.5 | 23.9 | 21.5 | 23.1 | 21.9 | 23.4 | 23.7 |
| | 3H | 22.5 | 24.0 | 22.9 | 24.3 | 24.7 | 22.4 | 23.8 | 22.8 | 24.2 | 24.5 |
| | 4H | 22.9 | 24.2 | 23.3 | 24.6 | 24.9 | 22.7 | 24.1 | 23.2 | 24.4 | 24.8 |
| | 6H | 23.1 | 24.3 | 23.5 | 24.7 | 25.1 | 23.0 | 24.2 | 23.4 | 24.6 | 25.0 |
| | 8H | 23.2 | 24.4 | 23.6 | 24.8 | 25.2 | 23.0 | 24.2 | 23.5 | 24.6 | 25.0 |
| | 12H | 23.2 | 24.3 | 23.7 | 24.7 | 25.2 | 23.1 | 24.2 | 23.5 | 24.6 | 25.0 |
| 4H | 2H | 21.9 | 23.3 | 22.3 | 23.6 | 24.0 | 21.8 | 23.1 | 22.2 | 23.5 | 23.9 |
| | 3H | 23.0 | 24.1 | 23.5 | 24.6 | 25.0 | 22.9 | 24.0 | 23.3 | 24.4 | 24.8 |
| | 4H | 23.5 | 24.5 | 23.9 | 24.9 | 25.4 | 23.4 | 24.4 | 23.8 | 24.8 | 25.2 |
| | 6H | 23.9 | 24.7 | 24.3 | 25.2 | 25.6 | 23.7 | 24.6 | 24.2 | 25.0 | 25.5 |
| | 8H | 24.0 | 24.8 | 24.4 | 25.2 | 25.7 | 23.8 | 24.6 | 24.3 | 25.0 | 25.5 |
| | 12H | 24.0 | 24.8 | 24.5 | 25.2 | 25.7 | 23.9 | 24.6 | 24.4 | 25.1 | 25.5 |
| 8H | 4H | 23.7 | 24.5 | 24.1 | 24.9 | 25.4 | 23.5 | 24.3 | 24.0 | 24.8 | 25.2 |
| | 6H | 24.1 | 24.8 | 24.6 | 25.3 | 25.7 | 23.9 | 24.6 | 24.4 | 25.1 | 25.6 |
| | 8H | 24.3 | 24.9 | 24.8 | 25.4 | 25.9 | 24.1 | 24.7 | 24.6 | 25.2 | 25.7 |
| | 12H | 24.4 | 24.9 | 24.9 | 25.4 | 26.0 | 24.2 | 24.7 | 24.7 | 25.2 | 25.8 |
| 12H | 4H | 23.7 | 24.4 | 24.2 | 24.9 | 25.3 | 23.5 | 24.2 | 24.0 | 24.7 | 25.2 |
| | 6H | 24.1 | 24.7 | 24.6 | 25.2 | 25.7 | 23.9 | 24.5 | 24.5 | 25.0 | 25.6 |
| | 8H | 24.3 | 24.9 | 24.8 | 25.4 | 25.9 | 24.1 | 24.7 | 24.6 | 25.2 | 25.7 |

Corrected UGR values based on total output energy
 SHR = 1.0

Corrected UGR values based on total output lumens

SHR = 1.0