

## Indoor Distribution Test Report

# Spectrum Lighting Inc.

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## Spectrum Lighting Photometric Lab

### Luminaire

SGRTE8XT 10L 35K WD XX AR8466XT SG GL  
N/A

### Test Number

SP-01209\_1\_M-10L

### Test Date

2/11/2021

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

### Summary of Results

#### Power

|             |        |
|-------------|--------|
| Input Watts | 10.2 W |
|-------------|--------|

#### Lumen Output

|               |            |
|---------------|------------|
| Output Lumens | 632        |
| Efficacy      | 61.96 lm/W |

#### Luminous Dimensions

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

#### Spacing Criterion

|                           |      |
|---------------------------|------|
| Two luminaires, plane 0°  | 0.7  |
| Two luminaires, plane 90° | 0.72 |
| Four luminaires           | 0.7  |

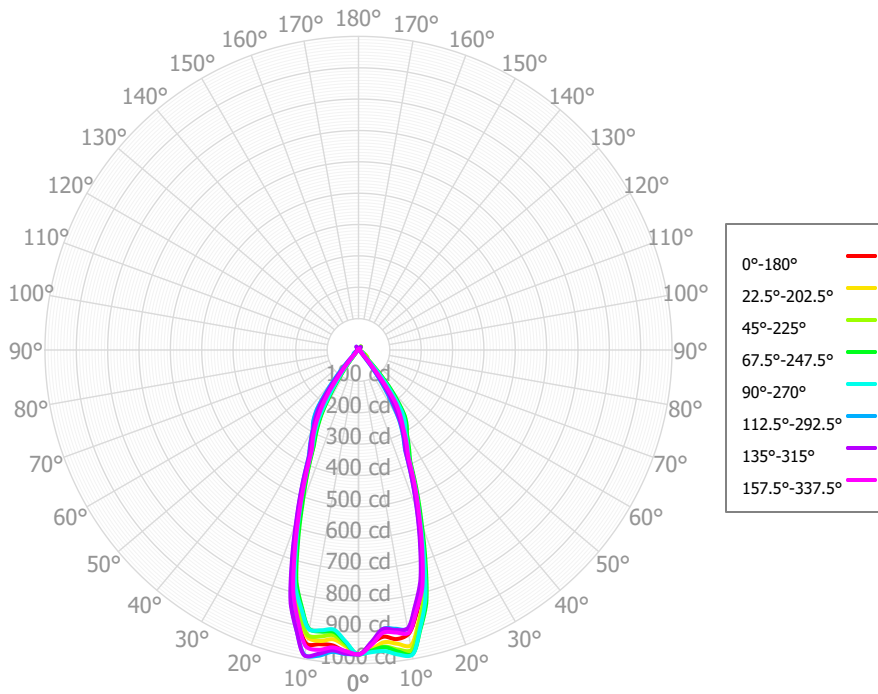
#### Full Beam Angle

|            |     |
|------------|-----|
| 0° - 180°  | 43° |
| 90° - 270° | 43° |

### IES File Header Contents

| Keyword   | Value  |
|-----------|--|
| TEST      | SP-01209_1_M-10L   |
| TESTLAB   | Spectrum Lighting Photometric Lab, VLS-245-981                               |
| MANUFAC   | Spectrum Lighting  |
| TESTDATE  | 2/11/2021  |
| ISSUEDATE | 3/1/2021   |
| LUMCAT    | SGRTE8XT 10L 35K WD XX AR8466XT SG GL  |
| LUMINAIRE | N/A  |
| OTHER     | Beam Angle: 43 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°  | 91.11  | 14.42%    | 90.00° - 100.00°  | 0.27   | 0.04%     |
| 10.00° - 20.00° | 213.08 | 33.72%    | 100.00° - 110.00° | 0.26   | 0.04%     |
| 20.00° - 30.00° | 175.44 | 27.76%    | 100.00° - 120.00° | 0.58   | 0.09%     |
| 30.00° - 40.00° | 108.14 | 17.11%    | 120.00° - 130.00° | 0.53   | 0.08%     |
| 40.00° - 50.00° | 22.22  | 3.52%     | 130.00° - 140.00° | 0.95   | 0.15%     |
| 50.00° - 60.00° | 10.27  | 1.63%     | 140.00° - 150.00° | 4.24   | 0.67%     |
| 60.00° - 70.00° | 2.69   | 0.43%     | 150.00° - 160.00° | 1.44   | 0.23%     |
| 70.00° - 80.00° | 0.25   | 0.04%     | 160.00° - 170.00° | 0.45   | 0.07%     |
| 80.00° - 90.00° | 0.25   | 0.04%     | 170.00° - 180.00° | 0.06   | 0.01%     |
| 0.00° - 90.00°  | 623.46 | 98.66%    | 0.00° - 180.00°   | 631.95 | 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°   | 971.02 | 971.02 | 971.02 | 971.02 | 971.02 | 971.02  | 971.02  | 971.02  | 971.02  | 971.02  | 971.02  | 971.02  | 971.02  | 971.02  | 971.02  | 971.02  | 971.02  |
| 2.50°   | 937.60 | 955.74 | 959.69 | 960.28 | 964.68 | 970.60  | 969.09  | 960.97  | 963.44  | 945.28  | 940.69  | 934.02  | 931.06  | 936.79  | 932.96  | 942.03  | 937.60  |
| 5.00°   | 918.05 | 935.81 | 949.73 | 951.64 | 964.34 | 966.76  | 961.69  | 952.34  | 945.87  | 926.39  | 913.13  | 902.25  | 895.60  | 892.98  | 893.47  | 905.06  | 918.05  |
| 7.50°   | 930.01 | 944.99 | 963.59 | 970.42 | 980.03 | 983.72  | 977.51  | 964.60  | 946.64  | 936.12  | 921.56  | 906.12  | 901.68  | 897.01  | 901.06  | 908.97  | 930.01  |
| 10.00°  | 919.65 | 957.48 | 972.14 | 985.63 | 987.36 | 988.14  | 989.82  | 961.29  | 952.22  | 931.09  | 924.75  | 903.82  | 905.17  | 903.10  | 902.04  | 916.62  | 919.65  |
| 12.50°  | 858.54 | 887.37 | 892.22 | 912.33 | 908.67 | 914.40  | 915.09  | 887.55  | 888.76  | 866.57  | 862.72  | 837.96  | 844.45  | 839.09  | 834.82  | 853.14  | 858.54  |
| 15.00°  | 779.66 | 811.25 | 808.49 | 835.34 | 823.92 | 830.94  | 836.40  | 802.72  | 810.33  | 786.99  | 793.48  | 765.08  | 779.72  | 773.23  | 762.48  | 785.91  | 779.66  |
| 17.50°  | 666.11 | 692.61 | 684.44 | 711.04 | 695.63 | 700.68  | 706.89  | 676.37  | 686.99  | 656.65  | 664.57  | 641.74  | 663.49  | 660.52  | 653.36  | 677.21  | 666.11  |
| 20.00°  | 557.42 | 572.30 | 563.71 | 588.85 | 571.25 | 575.16  | 579.57  | 554.02  | 556.06  | 533.13  | 539.45  | 522.44  | 548.66  | 548.41  | 545.54  | 567.83  | 557.42  |
| 22.50°  | 456.91 | 476.34 | 467.26 | 485.23 | 468.71 | 468.38  | 471.34  | 444.02  | 452.71  | 428.82  | 438.01  | 425.70  | 445.99  | 447.36  | 444.94  | 470.68  | 456.91  |
| 25.00°  | 377.27 | 381.89 | 379.29 | 389.97 | 377.56 | 376.29  | 371.95  | 353.46  | 352.93  | 341.86  | 345.47  | 337.70  | 350.92  | 351.25  | 355.28  | 375.93  | 377.27  |
| 27.50°  | 328.59 | 341.25 | 339.38 | 347.94 | 336.39 | 331.87  | 328.75  | 314.22  | 308.96  | 296.18  | 295.98  | 288.06  | 304.12  | 307.68  | 313.59  | 329.67  | 328.59  |
| 30.00°  | 290.04 | 301.59 | 302.65 | 309.18 | 299.15 | 292.88  | 287.26  | 271.94  | 269.91  | 243.09  | 242.23  | 233.63  | 253.52  | 261.30  | 269.17  | 284.22  | 290.04  |
| 32.50°  | 264.58 | 277.61 | 280.10 | 286.42 | 275.91 | 268.64  | 254.17  | 222.84  | 206.17  | 174.67  | 171.60  | 162.19  | 184.22  | 194.28  | 215.07  | 248.41  | 264.58  |
| 35.00°  | 221.09 | 250.17 | 250.39 | 257.78 | 242.83 | 232.62  | 213.54  | 167.11  | 141.11  | 112.30  | 106.77  | 97.87   | 118.64  | 129.07  | 157.84  | 208.33  | 221.09  |
| 37.50°  | 156.96 | 189.05 | 194.33 | 205.53 | 180.12 | 169.00  | 142.68  | 98.60   | 85.16   | 60.67   | 60.78   | 55.00   | 67.95   | 74.17   | 91.21   | 133.88  | 156.96  |
| 40.00°  | 99.11  | 129.20 | 137.50 | 149.15 | 118.58 | 108.52  | 79.68   | 47.37   | 30.12   | 25.97   | 25.13   | 22.53   | 27.16   | 27.70   | 39.00   | 65.99   | 99.11   |
| 42.50°  | 47.55  | 78.41  | 78.33  | 79.14  | 59.98  | 54.36   | 42.50   | 25.35   | 20.84   | 17.78   | 18.13   | 16.47   | 18.96   | 18.78   | 23.31   | 38.14   | 47.55   |
| 45.00°  | 23.62  | 35.74  | 36.14  | 27.06  | 19.67  | 20.09   | 14.93   | 11.45   | 11.89   | 12.04   | 12.42   | 11.63   | 12.28   | 11.46   | 12.33   | 15.18   | 23.62   |
| 47.50°  | 24.22  | 36.86  | 37.41  | 25.21  | 19.51  | 20.78   | 14.24   | 9.47    | 9.95    | 9.61    | 9.74    | 9.43    | 9.79    | 9.86    | 11.49   | 15.37   | 24.22   |
| 50.00°  | 22.53  | 36.72  | 36.85  | 23.09  | 19.32  | 20.88   | 13.51   | 7.89    | 8.06    | 7.57    | 7.46    | 7.45    | 7.60    | 8.37    | 10.60   | 15.12   | 22.53   |
| 52.50°  | 19.06  | 31.27  | 32.26  | 20.32  | 19.09  | 20.10   | 12.65   | 6.82    | 6.77    | 5.98    | 5.99    | 5.88    | 6.08    | 7.15    | 9.59    | 13.18   | 19.06   |
| 55.00°  | 15.41  | 25.68  | 27.03  | 17.44  | 18.03  | 18.27   | 11.38   | 5.57    | 5.51    | 4.67    | 4.61    | 4.48    | 4.83    | 5.91    | 8.25    | 11.04   | 15.41   |
| 57.50°  | 11.64  | 19.63  | 20.58  | 14.30  | 15.62  | 15.03   | 9.26    | 4.11    | 4.54    | 3.64    | 3.42    | 3.37    | 4.10    | 4.57    | 6.35    | 8.31    | 11.64   |
| 60.00°  | 8.10   | 13.60  | 14.36  | 10.83  | 12.09  | 11.46   | 7.12    | 3.06    | 3.56    | 2.87    | 2.51    | 2.46    | 3.34    | 3.31    | 4.48    | 5.69    | 8.10    |
| 62.50°  | 4.69   | 7.62   | 8.52   | 6.75   | 6.97   | 7.51    | 4.96    | 2.42    | 2.53    | 2.35    | 2.03    | 1.82    | 2.51    | 2.23    | 2.68    | 3.39    | 4.69    |
| 65.00°  | 2.46   | 2.88   | 4.08   | 3.46   | 3.23   | 4.19    | 2.99    | 1.60    | 1.56    | 1.58    | 1.40    | 1.18    | 1.66    | 1.28    | 1.34    | 1.54    | 2.46    |
| 67.50°  | 0.82   | 1.28   | 1.70   | 1.37   | 1.23   | 1.51    | 1.32    | 0.63    | 0.86    | 0.62    | 0.60    | 0.55    | 0.77    | 0.61    | 0.58    | 0.76    | 0.82    |
| 70.00°  | 0.27   | 0.19   | 0.32   | 0.17   | 0.18   | 0.21    | 0.35    | 0.20    | 0.30    | 0.25    | 0.17    | 0.22    | 0.27    | 0.20    | 0.20    | 0.23    | 0.27    |
| 72.50°  | 0.20   | 0.22   | 0.24   | 0.20   | 0.20   | 0.18    | 0.34    | 0.20    | 0.28    | 0.30    | 0.19    | 0.22    | 0.30    | 0.23    | 0.25    | 0.24    | 0.20    |
| 75.00°  | 0.19   | 0.24   | 0.18   | 0.22   | 0.24   | 0.19    | 0.30    | 0.23    | 0.26    | 0.29    | 0.21    | 0.23    | 0.30    | 0.24    | 0.25    | 0.23    | 0.19    |
| 77.50°  | 0.21   | 0.21   | 0.16   | 0.23   | 0.28   | 0.24    | 0.23    | 0.27    | 0.22    | 0.23    | 0.26    | 0.24    | 0.27    | 0.22    | 0.20    | 0.21    | 0.21    |
| 80.00°  | 0.21   | 0.18   | 0.18   | 0.23   | 0.27   | 0.28    | 0.21    | 0.29    | 0.20    | 0.20    | 0.26    | 0.24    | 0.24    | 0.19    | 0.18    | 0.20    | 0.21    |
| 82.50°  | 0.20   | 0.17   | 0.22   | 0.22   | 0.20   | 0.31    | 0.27    | 0.29    | 0.24    | 0.19    | 0.22    | 0.25    | 0.22    | 0.18    | 0.19    | 0.21    | 0.20    |
| 85.00°  | 0.21   | 0.18   | 0.24   | 0.22   | 0.20   | 0.28    | 0.29    | 0.30    | 0.27    | 0.20    | 0.18    | 0.25    | 0.21    | 0.18    | 0.21    | 0.22    | 0.21    |
| 87.50°  | 0.23   | 0.21   | 0.24   | 0.23   | 0.26   | 0.22    | 0.29    | 0.30    | 0.25    | 0.23    | 0.15    | 0.26    | 0.23    | 0.21    | 0.23    | 0.24    | 0.23    |
| 90.00°  | 0.25   | 0.21   | 0.25   | 0.24   | 0.25   | 0.24    | 0.30    | 0.26    | 0.24    | 0.21    | 0.14    | 0.24    | 0.24    | 0.23    | 0.28    | 0.26    | 0.25    |
| 92.50°  | 0.28   | 0.18   | 0.24   | 0.25   | 0.21   | 0.30    | 0.32    | 0.20    | 0.23    | 0.17    | 0.16    | 0.20    | 0.24    | 0.24    | 0.33    | 0.31    | 0.28    |
| 95.00°  | 0.23   | 0.19   | 0.26   | 0.24   | 0.21   | 0.29    | 0.32    | 0.22    | 0.21    | 0.20    | 0.20    | 0.21    | 0.24    | 0.24    | 0.34    | 0.31    | 0.23    |
| 97.50°  | 0.17   | 0.21   | 0.29   | 0.23   | 0.23   | 0.25    | 0.30    | 0.27    | 0.18    | 0.25    | 0.24    | 0.24    | 0.25    | 0.22    | 0.31    | 0.26    | 0.17    |
| 100.00° | 0.18   | 0.24   | 0.29   | 0.25   | 0.27   | 0.21    | 0.24    | 0.29    | 0.18    | 0.25    | 0.24    | 0.30    | 0.23    | 0.23    | 0.30    | 0.25    | 0.18    |
| 102.50° | 0.19   | 0.25   | 0.29   | 0.30   | 0.30   | 0.18    | 0.16    | 0.30    | 0.21    | 0.24    | 0.20    | 0.37    | 0.20    | 0.28    | 0.28    | 0.27    | 0.19    |
| 105.00° | 0.19   | 0.25   | 0.28   | 0.29   | 0.30   | 0.18    | 0.18    | 0.32    | 0.22    | 0.24    | 0.20    | 0.33    | 0.19    | 0.28    | 0.27    | 0.26    | 0.19    |
| 107.50° | 0.18   | 0.24   | 0.27   | 0.26   | 0.28   | 0.20    | 0.26    | 0.33    | 0.20    | 0.23    | 0.22    | 0.26    | 0.18    | 0.26    | 0.27    | 0.23    | 0.18    |
| 110.00° | 0.17   | 0.23   | 0.26   | 0.24   | 0.28   | 0.25    | 0.30    | 0.30    | 0.20    | 0.24    | 0.24    | 0.26    | 0.20    | 0.27    | 0.32    | 0.22    | 0.17    |
| 112.50° | 0.17   | 0.22   | 0.26   | 0.24   | 0.28   | 0.31    | 0.32    | 0.25    | 0.22    | 0.26    | 0.25    | 0.28    | 0.25    | 0.29    | 0.38    | 0.21    | 0.17    |

### Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

|            |            |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>RCR</b> | <b>pfc</b> | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 0%  |
|            | <b>pcc</b> | 80% | 80% | 80% | 80% | 70% | 70% | 70% | 70% | 50% | 50% | 50% | 30% | 30% | 30% | 10% | 10% | 0%  |
|            | <b>pw</b>  | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 30% |
|            | <b>0</b>   | 750 | 750 | 750 | 750 | 732 | 732 | 732 | 732 | 697 | 697 | 697 | 666 | 666 | 666 | 637 | 637 | 623 |
|            | <b>1</b>   | 717 | 700 | 685 | 672 | 701 | 686 | 672 | 660 | 659 | 648 | 639 | 634 | 626 | 618 | 611 | 605 | 592 |
|            | <b>2</b>   | 684 | 655 | 630 | 610 | 669 | 643 | 621 | 603 | 621 | 604 | 588 | 602 | 587 | 574 | 583 | 572 | 560 |
|            | <b>3</b>   | 652 | 614 | 584 | 560 | 639 | 604 | 577 | 555 | 587 | 564 | 545 | 570 | 552 | 536 | 555 | 540 | 529 |
|            | <b>4</b>   | 622 | 577 | 544 | 519 | 610 | 569 | 539 | 515 | 555 | 529 | 508 | 541 | 519 | 501 | 529 | 510 | 500 |
|            | <b>5</b>   | 593 | 543 | 509 | 483 | 582 | 537 | 505 | 481 | 525 | 497 | 476 | 514 | 490 | 471 | 503 | 483 | 474 |
|            | <b>6</b>   | 566 | 513 | 478 | 452 | 556 | 508 | 475 | 450 | 498 | 468 | 447 | 488 | 463 | 443 | 479 | 457 | 449 |
|            | <b>7</b>   | 541 | 486 | 450 | 425 | 532 | 481 | 448 | 424 | 473 | 443 | 421 | 465 | 438 | 418 | 457 | 433 | 426 |
|            | <b>8</b>   | 517 | 461 | 425 | 401 | 509 | 457 | 423 | 400 | 449 | 419 | 398 | 443 | 415 | 396 | 436 | 412 | 405 |
|            | <b>9</b>   | 495 | 438 | 403 | 379 | 488 | 435 | 401 | 379 | 428 | 398 | 377 | 422 | 395 | 375 | 417 | 392 | 386 |
|            | <b>10</b>  | 474 | 417 | 383 | 360 | 468 | 414 | 381 | 359 | 409 | 379 | 358 | 403 | 376 | 357 | 398 | 373 | 368 |

### Cone of Light

| Mtg Height | Light Level | Beam Diameter |
|------------|-------------|---------------|
| 5.5 ft     | 32.1 fc     | 4.4 ft        |
| 6.5 ft     | 23.0 fc     | 5.2 ft        |
| 7.5 ft     | 17.3 fc     | 6.0 ft        |
| 8.0 ft     | 15.2 fc     | 6.4 ft        |
| 10.0 ft    | 9.7 fc      | 8.0 ft        |
| 12.0 ft    | 6.7 fc      | 9.6 ft        |
| 14.0 ft    | 5.0 fc      | 11.1 ft       |
| 16.0 ft    | 3.8 fc      | 12.7 ft       |
| 20.0 ft    | 2.4 fc      | 15.9 ft       |
| 24.0 ft    | 1.7 fc      | 19.1 ft       |
| 28.0 ft    | 1.2 fc      | 22.3 ft       |

### Average Luminaire Luminance [cd/m²]

|        | 0.00° | 45.00° | 90.00° |
|--------|-------|--------|--------|
| 0.00°  | 33529 | 33529  | 33529  |
| 45.00° | 1153  | 1765   | 960    |
| 55.00° | 928   | 1627   | 1086   |
| 65.00° | 201   | 334    | 264    |
| 75.00° | 26    | 24     | 32     |
| 85.00° | 85    | 96     | 79     |

### 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  | 4.8              | 5.8 | 5.2 | 6.1 | 6.4 | 3.0            | 3.9 | 3.4 | 4.3 | 4.6 |
|                     | 3H  | 4.6              | 5.4 | 5.0 | 5.8 | 6.2 | 2.8            | 3.7 | 3.2 | 4.0 | 4.4 |
|                     | 4H  | 4.5              | 5.3 | 4.9 | 5.7 | 6.1 | 2.7            | 3.5 | 3.2 | 3.9 | 4.3 |
|                     | 6H  | 4.4              | 5.1 | 4.9 | 5.5 | 5.9 | 2.6            | 3.3 | 3.1 | 3.7 | 4.2 |
|                     | 8H  | 4.3              | 5.0 | 4.8 | 5.4 | 5.9 | 2.6            | 3.2 | 3.0 | 3.6 | 4.1 |
|                     | 12H | 4.3              | 4.9 | 4.8 | 5.3 | 5.8 | 2.5            | 3.1 | 3.0 | 3.6 | 4.0 |
| 4H                  | 2H  | 4.6              | 5.4 | 5.0 | 5.7 | 6.2 | 2.8            | 3.5 | 3.2 | 3.9 | 4.4 |
|                     | 3H  | 4.4              | 5.0 | 4.8 | 5.5 | 5.9 | 2.6            | 3.2 | 3.0 | 3.7 | 4.1 |
|                     | 4H  | 4.3              | 4.8 | 4.7 | 5.3 | 5.8 | 2.5            | 3.0 | 2.9 | 3.5 | 4.0 |
|                     | 6H  | 4.2              | 4.6 | 4.7 | 5.1 | 5.6 | 2.4            | 2.8 | 2.9 | 3.3 | 3.8 |
|                     | 8H  | 4.1              | 4.5 | 4.6 | 5.0 | 5.5 | 2.3            | 2.8 | 2.8 | 3.2 | 3.7 |
|                     | 12H | 4.0              | 4.4 | 4.6 | 4.9 | 5.4 | 2.3            | 2.6 | 2.8 | 3.2 | 3.7 |
| 8H                  | 4H  | 4.1              | 4.5 | 4.6 | 5.0 | 5.5 | 2.3            | 2.7 | 2.8 | 3.2 | 3.7 |
|                     | 6H  | 4.0              | 4.3 | 4.5 | 4.8 | 5.4 | 2.2            | 2.5 | 2.7 | 3.1 | 3.6 |
|                     | 8H  | 3.9              | 4.2 | 4.5 | 4.8 | 5.3 | 2.1            | 2.4 | 2.7 | 3.0 | 3.5 |
|                     | 12H | 3.9              | 4.1 | 4.4 | 4.6 | 5.3 | 2.1            | 2.4 | 2.7 | 2.9 | 3.5 |
| 12H                 | 4H  | 4.0              | 4.4 | 4.5 | 4.9 | 5.4 | 2.2            | 2.6 | 2.7 | 3.1 | 3.6 |
|                     | 6H  | 3.9              | 4.2 | 4.5 | 4.7 | 5.3 | 2.1            | 2.4 | 2.7 | 2.9 | 3.5 |
|                     | 8H  | 3.8              | 4.1 | 4.4 | 4.6 | 5.2 | 2.1            | 2.4 | 2.6 | 2.9 | 3.5 |

Corrected UGR values based on total output energy  
 SHR = 1.0

Corrected UGR values based on total output lumens

SHR = 1.0