

## Indoor Distribution Test Report

### Spectrum Lighting Inc.

994 Jefferson Street  
Fall River, MA 02721  
+1.508.678.2303

### Spectrum Lighting Photometric Lab

**Luminaire**

STR2 835 10 xx xx RD2WW RB2BW xx xx

2" Adjustable Track Luminaire with wall wash optic, and bias wall wash bezel

**Test Number**

SP-01589\_1

**Test Date**

9/27/2023

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

### Summary of Results

#### Power

|             |        |
|-------------|--------|
| Input Watts | 11.8 W |
|-------------|--------|

#### Lumen Output

|               |            |
|---------------|------------|
| Output Lumens | 670        |
| Efficacy      | 56.79 lm/W |

#### Luminous Dimensions

|                 |       |
|-----------------|-------|
| 0° - 180° Size  | -0.21 |
| 90° - 270° Size | -0.21 |
| Height          | 0     |

#### Spacing Criterion

|                           |      |
|---------------------------|------|
| Two luminaires, plane 0°  | 1.35 |
| Two luminaires, plane 90° | 0.82 |
| Four luminaires           | 1.02 |

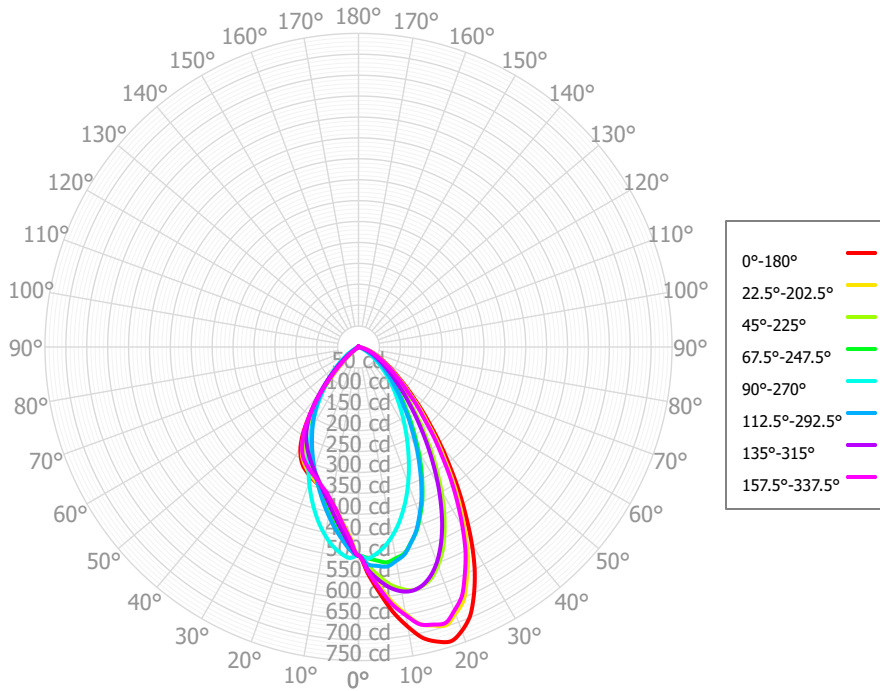
#### Full Beam Angle

|            |     |
|------------|-----|
| 0° - 180°  | 48° |
| 90° - 270° | 36° |

### IES File Header Contents

| Keyword   | Value  |
|-----------|--|
| TEST      | SP-01589_1   |
| TESTLAB   | Spectrum Lighting Photometric Lab, VLS-245-981                               |
| MANUFAC   | Spectrum Lighting  |
| TESTDATE  | 9/27/2023  |
| ISSUEDATE | 10/03/2023   |
| LUMCAT    | STR2 835 10 xx xx RD2WW RB2BW xx xx  |
| LUMINAIRE | 2" Adjustable Track Luminaire with wall wash optic, and bias wall wash bezel |
| OTHER     | Beam Angle: 48 x 36 deg  |
| OTHER     | 80 CRI, 3500K tested   |
| OTHER     | CCT Output Multipliers: 822 x 0.75, 827 x 0.93, 830 x 1.0, 840 x 1.0         |
| OTHER     | CCT Output Multipliers: 927 x 0.81, 930 x 0.81, 935 x 0.81, 940 x 0.87       |
| OTHER     | Total luminaire wattages are approximate                                     |
| OTHER     | This report prepared by Spectrum Lighting                                    |
| _CRI      | 80+  |
| _CCTMULT  | 822 x 0.75, 827 x 0.93, 830 x 1.0, 840 x 1.0                                 |
| _CCTMULTA | 927 x 0.81, 930 x 0.81, 935 x 0.81, 940 x 0.87                               |
| _LAMPMULT | 07L x .74, 13L x 1.34  |

### Candela Polar Plot



### Zonal Lumen Summary

| Zone            | Lumens | % Fixture | Zone              | Lumens | % Fixture |
|-----------------|--------|-----------|-------------------|--------|-----------|
| 0.00° - 10.00°  | 47.91  | 7.15%     | 90.00° - 100.00°  | 0.98   | 0.15%     |
| 10.00° - 20.00° | 131.54 | 19.63%    | 100.00° - 110.00° | 0.93   | 0.14%     |
| 20.00° - 30.00° | 174.62 | 26.06%    | 100.00° - 120.00° | 1.82   | 0.27%     |
| 30.00° - 40.00° | 152.58 | 22.77%    | 120.00° - 130.00° | 0.82   | 0.12%     |
| 40.00° - 50.00° | 90.98  | 13.58%    | 130.00° - 140.00° | 0.72   | 0.11%     |
| 50.00° - 60.00° | 41.96  | 6.26%     | 140.00° - 150.00° | 0.59   | 0.09%     |
| 60.00° - 70.00° | 18.04  | 2.69%     | 150.00° - 160.00° | 0.46   | 0.07%     |
| 70.00° - 80.00° | 5.56   | 0.83%     | 160.00° - 170.00° | 0.29   | 0.04%     |
| 80.00° - 90.00° | 1.20   | 0.18%     | 170.00° - 180.00° | 0.10   | 0.02%     |
| 0.00° - 90.00°  | 664.39 | 99.14%    | 0.00° - 180.00°   | 670.18 | 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°   | 498.90 | 498.90 | 498.90 | 498.90 | 498.90 | 498.90  | 498.90  | 498.90  | 498.90  | 498.90  | 498.90  | 498.90  | 498.90  | 498.90  | 498.90  | 498.90  | 498.90  |
| 2.50°   | 544.91 | 532.74 | 523.47 | 505.65 | 506.65 | 484.79  | 473.42  | 459.79  | 459.53  | 454.97  | 464.89  | 472.13  | 505.08  | 520.58  | 534.15  | 539.34  | 544.91  |
| 5.00°   | 592.08 | 573.75 | 549.28 | 512.97 | 496.03 | 460.63  | 442.78  | 426.65  | 425.60  | 424.18  | 436.35  | 448.84  | 494.38  | 525.71  | 559.98  | 580.36  | 592.08  |
| 7.50°   | 640.64 | 615.00 | 572.83 | 519.37 | 481.04 | 436.18  | 414.39  | 396.14  | 396.46  | 395.43  | 409.78  | 425.53  | 479.04  | 529.40  | 580.91  | 621.48  | 640.64  |
| 10.00°  | 679.48 | 647.62 | 587.15 | 513.15 | 460.44 | 409.99  | 387.79  | 374.90  | 374.48  | 375.65  | 386.02  | 402.04  | 457.97  | 519.50  | 593.32  | 651.61  | 679.48  |
| 12.50°  | 713.04 | 678.90 | 596.18 | 505.92 | 436.47 | 383.79  | 364.83  | 355.70  | 357.61  | 357.80  | 365.47  | 378.65  | 433.27  | 508.33  | 596.96  | 679.52  | 713.04  |
| 15.00°  | 729.64 | 689.67 | 591.72 | 484.31 | 408.49 | 357.56  | 344.55  | 343.06  | 347.80  | 347.64  | 349.11  | 355.81  | 405.45  | 484.68  | 590.43  | 687.59  | 729.64  |
| 17.50°  | 737.76 | 697.72 | 580.09 | 461.81 | 378.77 | 331.82  | 327.26  | 331.38  | 339.08  | 337.69  | 334.05  | 333.17  | 375.80  | 460.09  | 574.07  | 692.09  | 737.76  |
| 20.00°  | 722.83 | 678.79 | 556.17 | 430.57 | 347.11 | 308.48  | 312.02  | 322.50  | 331.75  | 328.50  | 320.57  | 311.63  | 344.95  | 426.90  | 548.27  | 670.97  | 722.83  |
| 22.50°  | 697.19 | 656.90 | 526.23 | 398.94 | 315.09 | 285.28  | 297.09  | 313.23  | 323.35  | 318.75  | 306.43  | 289.92  | 313.44  | 393.23  | 513.99  | 645.86  | 697.19  |
| 25.00°  | 653.51 | 613.37 | 486.82 | 361.80 | 282.71 | 262.70  | 282.35  | 302.94  | 313.68  | 307.17  | 291.54  | 267.47  | 282.55  | 354.19  | 473.53  | 601.59  | 653.51  |
| 27.50°  | 602.11 | 567.88 | 443.10 | 324.53 | 252.19 | 240.46  | 266.95  | 289.83  | 298.75  | 292.46  | 274.41  | 245.12  | 251.97  | 314.96  | 427.88  | 554.79  | 602.11  |
| 30.00°  | 541.66 | 510.52 | 396.17 | 287.24 | 223.48 | 219.51  | 251.15  | 269.76  | 277.89  | 268.56  | 254.87  | 223.17  | 223.37  | 277.74  | 380.97  | 498.11  | 541.66  |
| 32.50°  | 477.63 | 452.33 | 347.89 | 250.01 | 196.62 | 198.55  | 230.09  | 244.82  | 248.60  | 240.66  | 229.90  | 200.57  | 195.71  | 240.55  | 333.08  | 440.34  | 477.63  |
| 35.00°  | 417.06 | 395.32 | 302.49 | 218.36 | 171.43 | 177.56  | 206.14  | 208.84  | 210.47  | 202.03  | 199.52  | 175.51  | 171.43  | 208.85  | 288.26  | 383.92  | 417.06  |
| 37.50°  | 357.75 | 338.37 | 258.20 | 186.87 | 149.39 | 156.23  | 176.56  | 172.34  | 171.04  | 163.72  | 167.13  | 150.42  | 148.59  | 177.26  | 245.70  | 327.62  | 357.75  |
| 40.00°  | 305.55 | 289.94 | 220.23 | 161.06 | 130.03 | 133.80  | 144.12  | 134.75  | 130.36  | 126.18  | 132.87  | 125.16  | 128.10  | 152.83  | 208.49  | 279.79  | 305.55  |
| 42.50°  | 255.71 | 241.78 | 184.48 | 135.60 | 112.05 | 111.50  | 114.06  | 100.30  | 95.85   | 91.85   | 102.04  | 100.60  | 108.53  | 128.64  | 174.93  | 232.57  | 255.71  |
| 45.00°  | 215.06 | 204.67 | 156.23 | 117.77 | 95.17  | 89.55   | 85.13   | 71.97   | 66.98   | 64.89   | 74.16   | 78.13   | 90.93   | 111.29  | 147.18  | 196.79  | 215.06  |
| 47.50°  | 177.19 | 167.76 | 130.41 | 100.19 | 80.01  | 69.00   | 62.13   | 47.02   | 42.97   | 40.95   | 51.61   | 57.61   | 74.04   | 94.14   | 123.11  | 161.59  | 177.19  |
| 50.00°  | 148.73 | 142.09 | 109.99 | 86.52  | 66.13  | 52.10   | 41.73   | 28.15   | 23.13   | 23.41   | 33.39   | 42.53   | 60.00   | 80.64   | 103.57  | 136.71  | 148.73  |
| 52.50°  | 122.86 | 116.59 | 91.17  | 73.07  | 53.76  | 36.77   | 26.45   | 13.67   | 10.75   | 10.07   | 19.59   | 28.77   | 46.91   | 67.29   | 86.71   | 112.18  | 122.86  |
| 55.00°  | 103.32 | 98.52  | 77.32  | 62.40  | 42.42  | 25.22   | 13.24   | 6.52    | 4.32    | 4.90    | 9.12    | 18.38   | 36.31   | 56.23   | 72.78   | 95.12   | 103.32  |
| 57.50°  | 85.33  | 80.65  | 64.79  | 51.88  | 32.76  | 15.24   | 6.72    | 1.92    | 1.39    | 1.47    | 3.79    | 9.75    | 26.46   | 45.41   | 60.45   | 78.18   | 85.33   |
| 60.00°  | 71.63  | 68.16  | 55.33  | 42.90  | 24.18  | 8.77    | 2.68    | 1.28    | 1.08    | 1.17    | 2.09    | 5.29    | 18.75   | 37.27   | 50.48   | 65.56   | 71.63   |
| 62.50°  | 58.87  | 55.83  | 46.61  | 34.11  | 16.82  | 3.88    | 1.33    | 0.89    | 0.94    | 0.99    | 1.33    | 2.02    | 11.63   | 29.21   | 41.70   | 53.01   | 58.87   |
| 65.00°  | 48.81  | 46.44  | 38.16  | 26.77  | 10.20  | 2.25    | 0.90    | 0.87    | 0.94    | 0.99    | 1.17    | 1.34    | 7.15    | 21.83   | 33.60   | 43.83   | 48.81   |
| 67.50°  | 39.28  | 37.18  | 29.77  | 19.57  | 5.84   | 1.12    | 0.88    | 0.85    | 0.94    | 0.99    | 1.12    | 0.91    | 3.31    | 14.72   | 25.83   | 34.71   | 39.28   |
| 70.00°  | 31.55  | 29.69  | 22.91  | 13.33  | 2.73   | 0.94    | 0.98    | 0.86    | 0.94    | 0.97    | 1.14    | 0.99    | 1.91    | 9.57    | 18.91   | 27.15   | 31.55   |
| 72.50°  | 24.13  | 22.26  | 16.33  | 7.56   | 1.45   | 0.83    | 1.00    | 0.91    | 0.93    | 0.97    | 1.06    | 1.01    | 1.05    | 4.83    | 12.36   | 19.67   | 24.13   |
| 75.00°  | 16.60  | 15.35  | 10.62  | 4.48   | 1.10   | 0.84    | 0.99    | 1.04    | 0.92    | 0.99    | 0.94    | 0.95    | 0.81    | 2.76    | 7.57    | 13.65   | 16.60   |
| 77.50°  | 9.05   | 8.80   | 5.05   | 1.83   | 0.91   | 0.86    | 0.93    | 1.12    | 0.90    | 1.01    | 0.90    | 0.90    | 0.70    | 0.99    | 3.48    | 7.83    | 9.05    |
| 80.00°  | 5.25   | 5.25   | 2.93   | 1.40   | 0.78   | 0.88    | 0.85    | 1.14    | 0.88    | 1.02    | 0.91    | 0.87    | 0.77    | 0.90    | 1.82    | 4.61    | 5.25    |
| 82.50°  | 1.93   | 2.06   | 1.29   | 1.05   | 0.76   | 0.86    | 0.77    | 1.10    | 0.89    | 1.00    | 0.95    | 0.88    | 0.86    | 0.83    | 1.05    | 1.62    | 1.93    |
| 85.00°  | 1.29   | 1.51   | 1.03   | 0.98   | 0.77   | 0.78    | 0.70    | 1.00    | 0.93    | 0.96    | 1.01    | 0.94    | 0.93    | 0.85    | 0.90    | 1.22    | 1.29    |
| 87.50°  | 0.93   | 1.04   | 0.93   | 0.92   | 0.77   | 0.73    | 0.67    | 0.91    | 0.98    | 0.96    | 1.01    | 1.00    | 1.00    | 0.87    | 0.96    | 0.87    | 0.93    |
| 90.00°  | 0.81   | 1.02   | 1.01   | 0.90   | 0.76   | 0.74    | 0.65    | 0.83    | 1.05    | 1.00    | 1.00    | 1.05    | 0.89    | 0.86    | 0.93    | 0.97    | 0.81    |
| 92.50°  | 0.72   | 1.01   | 1.10   | 0.92   | 0.78   | 0.76    | 0.67    | 0.84    | 1.00    | 1.00    | 0.98    | 1.02    | 0.77    | 0.84    | 0.88    | 1.06    | 0.72    |
| 95.00°  | 0.83   | 1.02   | 1.06   | 1.08   | 0.80   | 0.78    | 0.69    | 0.93    | 0.91    | 0.96    | 0.97    | 0.88    | 0.77    | 0.79    | 0.81    | 1.01    | 0.83    |
| 97.50°  | 0.95   | 1.02   | 1.00   | 1.16   | 0.80   | 0.81    | 0.73    | 0.94    | 0.87    | 0.93    | 0.97    | 0.84    | 0.79    | 0.75    | 0.74    | 0.97    | 0.95    |
| 100.00° | 0.87   | 0.99   | 1.04   | 1.02   | 0.80   | 0.84    | 0.76    | 0.90    | 0.85    | 0.91    | 0.97    | 0.93    | 0.82    | 0.77    | 0.79    | 0.95    | 0.87    |
| 102.50° | 0.79   | 0.96   | 1.08   | 0.89   | 0.81   | 0.84    | 0.76    | 0.90    | 0.88    | 0.91    | 0.93    | 1.00    | 0.84    | 0.77    | 0.86    | 0.94    | 0.79    |
| 105.00° | 0.76   | 0.97   | 1.12   | 0.84   | 0.84   | 0.79    | 0.76    | 0.95    | 0.93    | 0.93    | 0.88    | 1.04    | 0.80    | 0.69    | 0.87    | 0.98    | 0.76    |

### Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

|            |            |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>RCR</b> | <b>ptc</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>   | 796 | 796 | 796 | 796 | 777 | 777 | 777 | 777 | 741 | 741 | 741 | 709 | 709 | 709 | 679 | 679 | 664 |
|            | <b>1</b>   | 751 | 730 | 710 | 692 | 734 | 714 | 697 | 681 | 686 | 672 | 659 | 660 | 648 | 638 | 635 | 627 | 613 |
|            | <b>2</b>   | 705 | 666 | 634 | 607 | 689 | 654 | 625 | 600 | 631 | 606 | 586 | 609 | 589 | 572 | 590 | 573 | 561 |
|            | <b>3</b>   | 661 | 610 | 570 | 539 | 646 | 600 | 563 | 534 | 580 | 550 | 524 | 563 | 537 | 515 | 546 | 525 | 514 |
|            | <b>4</b>   | 620 | 560 | 516 | 482 | 606 | 551 | 511 | 479 | 535 | 500 | 472 | 521 | 490 | 466 | 507 | 481 | 471 |
|            | <b>5</b>   | 581 | 516 | 469 | 436 | 569 | 508 | 465 | 433 | 495 | 457 | 429 | 483 | 450 | 424 | 471 | 442 | 434 |
|            | <b>6</b>   | 546 | 476 | 430 | 396 | 535 | 470 | 426 | 394 | 459 | 420 | 391 | 449 | 414 | 388 | 439 | 408 | 400 |
|            | <b>7</b>   | 514 | 442 | 395 | 362 | 504 | 437 | 392 | 361 | 427 | 387 | 358 | 418 | 382 | 356 | 409 | 378 | 371 |
|            | <b>8</b>   | 485 | 411 | 365 | 333 | 475 | 407 | 363 | 332 | 398 | 359 | 330 | 391 | 355 | 328 | 383 | 351 | 345 |
|            | <b>9</b>   | 458 | 384 | 338 | 308 | 449 | 380 | 337 | 307 | 373 | 333 | 305 | 366 | 330 | 304 | 359 | 327 | 321 |
|            | <b>10</b>  | 433 | 359 | 315 | 286 | 425 | 356 | 314 | 285 | 350 | 311 | 284 | 344 | 308 | 283 | 338 | 305 | 300 |

### Cone of Light

| Mtg Height | Light Level | Beam Diameter |
|------------|-------------|---------------|
| 5.5 ft     | 16.5 fc     | 5.2 ft        |
| 6.5 ft     | 11.8 fc     | 6.1 ft        |
| 7.5 ft     | 8.9 fc      | 7.1 ft        |
| 8.0 ft     | 7.8 fc      | 7.6 ft        |
| 10.0 ft    | 5.0 fc      | 9.5 ft        |
| 12.0 ft    | 3.5 fc      | 11.3 ft       |
| 14.0 ft    | 2.5 fc      | 13.2 ft       |
| 16.0 ft    | 1.9 fc      | 15.1 ft       |
| 20.0 ft    | 1.2 fc      | 18.9 ft       |
| 24.0 ft    | 0.9 fc      | 22.7 ft       |
| 28.0 ft    | 0.6 fc      | 26.5 ft       |

### Average Luminaire Luminance [cd/m²]

|               | 0.00°  | 45.00° | 90.00° |
|---------------|--------|--------|--------|
| <b>0.00°</b>  | 155046 | 155046 | 155046 |
| <b>45.00°</b> | 94520  | 68665  | 41826  |
| <b>55.00°</b> | 55980  | 41891  | 22982  |
| <b>65.00°</b> | 35896  | 28060  | 7497   |
| <b>75.00°</b> | 19931  | 12751  | 1323   |
| <b>85.00°</b> | 4592   | 3664   | 2740   |

### UGR CIE 190:2010

|                            |            |                         |            |            |            |            |                       |            |            |            |            |
|----------------------------|------------|-------------------------|------------|------------|------------|------------|-----------------------|------------|------------|------------|------------|
| <b>Ceiling reflectance</b> |            | <b>0.7</b>              | <b>0.7</b> | <b>0.5</b> | <b>0.5</b> | <b>0.3</b> | <b>0.7</b>            | <b>0.7</b> | <b>0.5</b> | <b>0.5</b> | <b>0.3</b> |
| <b>Wall reflectance</b>    |            | <b>0.5</b>              | <b>0.3</b> | <b>0.5</b> | <b>0.3</b> | <b>0.3</b> | <b>0.5</b>            | <b>0.3</b> | <b>0.5</b> | <b>0.3</b> | <b>0.3</b> |
| <b>Plane reflectance</b>   |            | <b>0.2</b>              | <b>0.2</b> | <b>0.2</b> | <b>0.2</b> | <b>0.2</b> | <b>0.2</b>            | <b>0.2</b> | <b>0.2</b> | <b>0.2</b> | <b>0.2</b> |
| <b>Room dimensions</b>     |            | <b>Viewed crosswise</b> |            |            |            |            | <b>Viewed endwise</b> |            |            |            |            |
| <b>2H</b>                  | <b>2H</b>  | 24.0                    | 25.2       | 24.4       | 25.6       | 25.9       | 12.6                  | 13.8       | 13.0       | 14.1       | 14.5       |
|                            | <b>3H</b>  | 24.9                    | 26.0       | 25.3       | 26.3       | 26.7       | 12.6                  | 13.7       | 13.0       | 14.0       | 14.4       |
|                            | <b>4H</b>  | 25.1                    | 26.1       | 25.6       | 26.5       | 26.9       | 12.6                  | 13.5       | 13.0       | 13.9       | 14.3       |
|                            | <b>6H</b>  | 25.1                    | 26.0       | 25.6       | 26.4       | 26.8       | 12.5                  | 13.4       | 12.9       | 13.8       | 14.2       |
|                            | <b>8H</b>  | 25.1                    | 25.9       | 25.5       | 26.4       | 26.8       | 12.5                  | 13.3       | 12.9       | 13.7       | 14.2       |
|                            | <b>12H</b> | 25.1                    | 25.9       | 25.5       | 26.3       | 26.7       | 12.5                  | 13.3       | 13.0       | 13.7       | 14.2       |
| <b>4H</b>                  | <b>2H</b>  | 24.1                    | 25.1       | 24.5       | 25.5       | 25.9       | 12.4                  | 13.4       | 12.8       | 13.7       | 14.1       |
|                            | <b>3H</b>  | 25.1                    | 25.9       | 25.6       | 26.4       | 26.8       | 12.4                  | 13.2       | 12.8       | 13.6       | 14.0       |
|                            | <b>4H</b>  | 25.4                    | 26.1       | 25.8       | 26.5       | 27.0       | 12.3                  | 13.0       | 12.8       | 13.5       | 13.9       |
|                            | <b>6H</b>  | 25.4                    | 26.0       | 25.9       | 26.5       | 27.0       | 12.3                  | 12.9       | 12.8       | 13.4       | 13.9       |
|                            | <b>8H</b>  | 25.4                    | 26.0       | 25.9       | 26.4       | 26.9       | 12.3                  | 12.9       | 12.8       | 13.3       | 13.8       |
|                            | <b>12H</b> | 25.3                    | 25.8       | 25.8       | 26.3       | 26.8       | 12.4                  | 12.9       | 12.9       | 13.4       | 13.9       |
| <b>8H</b>                  | <b>4H</b>  | 25.3                    | 25.9       | 25.8       | 26.3       | 26.8       | 12.2                  | 12.8       | 12.7       | 13.2       | 13.7       |
|                            | <b>6H</b>  | 25.3                    | 25.8       | 25.9       | 26.3       | 26.8       | 12.2                  | 12.7       | 12.7       | 13.2       | 13.7       |
|                            | <b>8H</b>  | 25.3                    | 25.7       | 25.8       | 26.2       | 26.7       | 12.3                  | 12.7       | 12.8       | 13.2       | 13.7       |
|                            | <b>12H</b> | 25.3                    | 25.6       | 25.8       | 26.1       | 26.7       | 12.4                  | 12.8       | 13.0       | 13.3       | 13.9       |
| <b>12H</b>                 | <b>4H</b>  | 25.2                    | 25.7       | 25.7       | 26.2       | 26.7       | 12.2                  | 12.7       | 12.7       | 13.2       | 13.7       |
|                            | <b>6H</b>  | 25.3                    | 25.7       | 25.8       | 26.2       | 26.7       | 12.2                  | 12.6       | 12.7       | 13.1       | 13.6       |
|                            | <b>8H</b>  | 25.2                    | 25.6       | 25.8       | 26.1       | 26.7       | 12.3                  | 12.6       | 12.8       | 13.1       | 13.7       |

Corrected UGR values based on total output energy  
 SHR = 1.0

Corrected UGR values based on total output lumens

SHR = 1.0