

## Indoor Distribution Test Report

### Spectrum Lighting Inc.

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### Spectrum Lighting Photometric Lab

#### Luminaire

STR2 835 10 xx xx RD2FL RB2BSA1 xx xx  
2" Adjustable Track Luminaire with flood optic, acrylic .5" bezel

#### Test Number

SP-01587\_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 | 1018       |
| Efficacy      | 86.24 lm/W |

#### Luminous Dimensions

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

#### Spacing Criterion

|                           |      |
|---------------------------|------|
| Two luminaires, plane 0°  | 0.56 |
| Two luminaires, plane 90° | 0.55 |
| Four luminaires           | 0.51 |

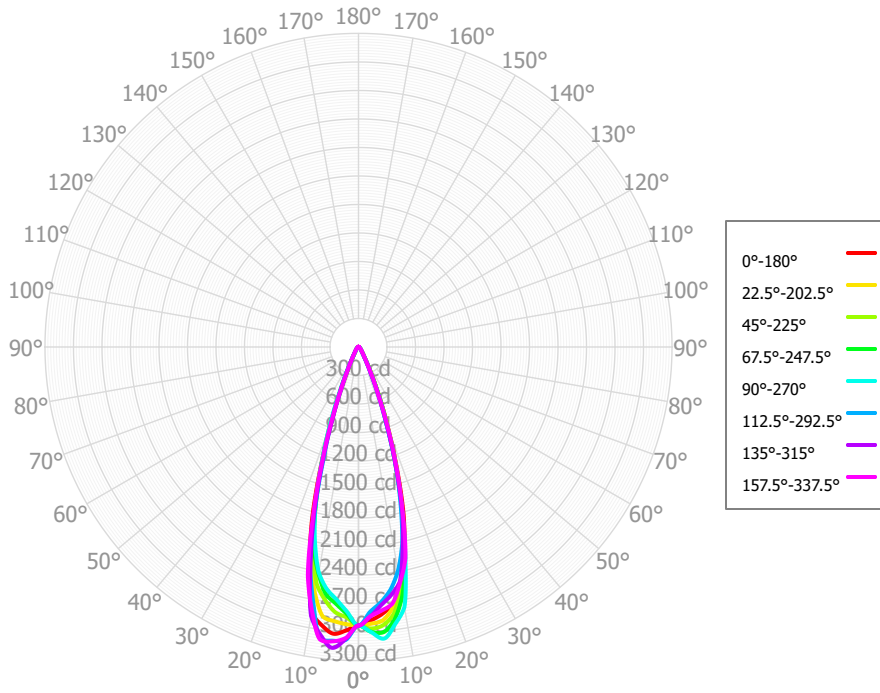
#### Full Beam Angle

|            |     |
|------------|-----|
| 0° - 180°  | 33° |
| 90° - 270° | 32° |

### IES File Header Contents

| Keyword   | Value  |
|-----------|--|
| TEST      | SP-01587_1   |
| TESTLAB   | Spectrum Lighting Photometric Lab, VLS-245-981                         |
| MANUFAC   | Spectrum Lighting  |
| TESTDATE  | 9/27/2023  |
| ISSUEDATE | 10/02/2023   |
| LUMCAT    | STR2 835 10 xx xx RD2FL RB2BSA1 xx xx                                  |
| LUMINAIRE | 2" Adjustable Track Luminaire with flood optic, acrylic .5" bezel      |
| OTHER     | Beam Angle: 33 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                              |

### Candela Polar Plot



### Zonal Lumen Summary

| Zone            | Lumens  | % Fixture | Zone              | Lumens  | % Fixture |
|-----------------|---------|-----------|-------------------|---------|-----------|
| 0.00° - 10.00°  | 271.85  | 26.71%    | 90.00° - 100.00°  | 1.95    | 0.19%     |
| 10.00° - 20.00° | 469.23  | 46.11%    | 100.00° - 110.00° | 2.01    | 0.20%     |
| 20.00° - 30.00° | 162.01  | 15.92%    | 100.00° - 120.00° | 3.80    | 0.37%     |
| 30.00° - 40.00° | 43.21   | 4.25%     | 120.00° - 130.00° | 1.34    | 0.13%     |
| 40.00° - 50.00° | 25.31   | 2.49%     | 130.00° - 140.00° | 0.99    | 0.10%     |
| 50.00° - 60.00° | 17.20   | 1.69%     | 140.00° - 150.00° | 0.80    | 0.08%     |
| 60.00° - 70.00° | 10.69   | 1.05%     | 150.00° - 160.00° | 0.66    | 0.06%     |
| 70.00° - 80.00° | 5.42    | 0.53%     | 160.00° - 170.00° | 0.37    | 0.04%     |
| 80.00° - 90.00° | 2.67    | 0.26%     | 170.00° - 180.00° | 0.12    | 0.01%     |
| 0.00° - 90.00°  | 1007.60 | 99.01%    | 0.00° - 180.00°   | 1017.64 | 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°   | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 | 2931.82 |
| 2.50°   | 2882.59 | 2916.56 | 2966.06 | 2999.16 | 3002.43 | 3086.31 | 3076.58 | 3064.90 | 2987.05 | 2920.40 | 2850.65 | 2812.96 | 2787.66 | 2790.83 | 2841.18 | 2837.82 | 2882.59 |
| 5.00°   | 2822.80 | 2891.02 | 2941.97 | 3013.33 | 3081.31 | 3103.53 | 3178.62 | 3110.12 | 3029.74 | 2897.75 | 2802.88 | 2714.03 | 2667.44 | 2697.64 | 2728.23 | 2785.39 | 2822.80 |
| 7.50°   | 2733.48 | 2768.76 | 2835.70 | 2896.87 | 2944.84 | 3094.55 | 3058.34 | 3105.37 | 2955.26 | 2863.27 | 2688.13 | 2625.61 | 2568.57 | 2577.12 | 2633.81 | 2725.25 | 2733.48 |
| 10.00°  | 2599.07 | 2565.46 | 2574.85 | 2658.19 | 2781.69 | 2738.04 | 2875.30 | 2819.37 | 2838.52 | 2636.73 | 2533.33 | 2423.91 | 2408.92 | 2391.65 | 2507.18 | 2519.83 | 2599.07 |
| 12.50°  | 2232.54 | 2207.36 | 2200.45 | 2265.86 | 2279.89 | 2347.09 | 2334.69 | 2462.83 | 2377.90 | 2312.00 | 2184.15 | 2171.12 | 2115.59 | 2123.90 | 2150.38 | 2280.46 | 2232.54 |
| 15.00°  | 1837.71 | 1750.45 | 1759.90 | 1763.56 | 1765.03 | 1773.73 | 1793.61 | 1851.95 | 1896.68 | 1821.84 | 1749.91 | 1757.71 | 1759.51 | 1711.33 | 1770.09 | 1794.95 | 1837.71 |
| 17.50°  | 1349.47 | 1313.93 | 1283.14 | 1309.99 | 1295.81 | 1204.20 | 1250.82 | 1285.36 | 1318.85 | 1269.87 | 1282.95 | 1292.33 | 1302.06 | 1291.05 | 1291.29 | 1321.59 | 1349.47 |
| 20.00°  | 911.26  | 886.99  | 904.64  | 882.36  | 843.48  | 822.32  | 779.34  | 830.80  | 806.13  | 847.23  | 805.76  | 885.20  | 890.92  | 860.65  | 856.52  | 899.67  | 911.26  |
| 22.50°  | 588.51  | 588.63  | 565.09  | 583.18  | 557.70  | 465.72  | 489.55  | 471.75  | 497.43  | 458.11  | 509.47  | 490.70  | 536.67  | 533.16  | 545.54  | 535.53  | 588.51  |
| 25.00°  | 338.88  | 333.12  | 364.91  | 333.33  | 302.15  | 309.32  | 269.97  | 287.60  | 257.55  | 286.14  | 250.73  | 306.59  | 301.10  | 307.82  | 301.35  | 335.13  | 338.88  |
| 27.50°  | 214.51  | 216.68  | 203.50  | 212.88  | 203.15  | 172.69  | 179.87  | 161.82  | 169.62  | 148.35  | 165.18  | 148.07  | 175.77  | 176.27  | 193.61  | 183.13  | 214.51  |
| 30.00°  | 129.28  | 131.55  | 140.21  | 127.08  | 119.69  | 124.95  | 115.41  | 115.66  | 105.34  | 109.52  | 99.32   | 107.97  | 106.42  | 116.02  | 116.99  | 130.69  | 129.28  |
| 32.50°  | 94.94   | 97.96   | 94.43   | 92.25   | 87.78   | 84.46   | 86.15   | 83.05   | 79.39   | 77.70   | 78.75   | 73.23   | 76.84   | 81.14   | 88.05   | 90.33   | 94.94   |
| 35.00°  | 70.33   | 71.24   | 72.45   | 66.06   | 62.18   | 65.88   | 65.65   | 64.58   | 59.96   | 62.11   | 59.99   | 59.42   | 58.67   | 60.89   | 66.46   | 68.60   | 70.33   |
| 37.50°  | 55.30   | 57.14   | 52.58   | 53.20   | 51.43   | 51.08   | 54.34   | 51.85   | 48.57   | 47.19   | 49.75   | 46.29   | 46.53   | 49.52   | 53.34   | 53.29   | 55.30   |
| 40.00°  | 44.92   | 43.86   | 46.16   | 41.43   | 42.89   | 44.49   | 45.78   | 43.71   | 40.89   | 41.52   | 40.06   | 39.86   | 39.49   | 41.89   | 43.63   | 45.44   | 44.92   |
| 42.50°  | 38.00   | 39.04   | 39.98   | 37.20   | 38.20   | 39.01   | 39.43   | 37.68   | 36.70   | 36.09   | 35.36   | 33.99   | 34.42   | 36.37   | 36.92   | 39.01   | 38.00   |
| 45.00°  | 32.58   | 34.26   | 35.17   | 32.98   | 33.68   | 35.33   | 34.23   | 32.92   | 32.13   | 32.15   | 30.67   | 31.03   | 29.64   | 31.46   | 31.90   | 33.85   | 32.58   |
| 47.50°  | 28.02   | 30.00   | 30.30   | 28.40   | 29.39   | 30.93   | 29.71   | 28.05   | 27.29   | 28.15   | 26.05   | 27.82   | 24.93   | 26.74   | 28.00   | 29.15   | 28.02   |
| 50.00°  | 25.00   | 25.78   | 24.97   | 24.12   | 25.83   | 25.66   | 26.04   | 23.14   | 23.86   | 23.86   | 22.13   | 23.82   | 22.64   | 22.06   | 24.38   | 24.75   | 25.00   |
| 52.50°  | 22.63   | 21.79   | 20.39   | 21.94   | 22.96   | 22.10   | 22.74   | 21.20   | 21.19   | 20.14   | 20.43   | 20.49   | 20.76   | 19.68   | 20.89   | 21.38   | 22.63   |
| 55.00°  | 19.86   | 18.41   | 18.96   | 19.89   | 20.32   | 20.13   | 20.14   | 20.18   | 19.15   | 17.94   | 18.74   | 18.71   | 18.47   | 17.54   | 18.38   | 18.52   | 19.86   |
| 57.50°  | 16.98   | 17.16   | 17.39   | 18.41   | 17.86   | 17.87   | 17.75   | 17.63   | 17.36   | 16.15   | 17.10   | 16.79   | 16.14   | 16.47   | 16.23   | 16.23   | 16.98   |
| 60.00°  | 14.95   | 15.49   | 15.40   | 16.51   | 15.15   | 15.40   | 15.78   | 14.76   | 14.84   | 15.18   | 14.92   | 14.64   | 13.89   | 15.37   | 14.67   | 14.14   | 14.95   |
| 62.50°  | 13.07   | 12.79   | 13.25   | 13.45   | 12.30   | 13.20   | 13.90   | 12.64   | 12.11   | 13.29   | 11.82   | 12.60   | 11.67   | 13.08   | 13.26   | 12.17   | 13.07   |
| 65.00°  | 11.21   | 10.80   | 10.81   | 10.76   | 10.39   | 11.13   | 11.33   | 10.61   | 10.57   | 10.10   | 9.46    | 10.71   | 9.80    | 10.81   | 10.83   | 10.24   | 11.21   |
| 67.50°  | 9.36    | 10.07   | 8.88    | 8.84    | 8.86    | 9.02    | 8.68    | 8.83    | 9.22    | 7.77    | 8.05    | 8.73    | 8.03    | 8.66    | 8.26    | 8.86    | 9.36    |
| 70.00°  | 7.63    | 8.89    | 7.75    | 7.33    | 7.26    | 6.91    | 7.72    | 7.09    | 7.78    | 6.39    | 6.87    | 6.67    | 7.01    | 6.69    | 7.40    | 7.56    | 7.63    |
| 72.50°  | 5.93    | 7.13    | 6.47    | 6.44    | 5.63    | 5.49    | 6.81    | 6.07    | 6.32    | 5.27    | 5.92    | 5.33    | 6.08    | 5.52    | 6.65    | 6.15    | 5.93    |
| 75.00°  | 4.88    | 5.53    | 4.99    | 5.39    | 5.04    | 4.26    | 5.40    | 5.07    | 5.95    | 4.38    | 4.74    | 4.54    | 5.57    | 4.54    | 5.33    | 4.74    | 4.88    |
| 77.50°  | 3.88    | 4.11    | 4.00    | 4.15    | 4.64    | 3.77    | 4.04    | 4.23    | 5.53    | 3.63    | 3.38    | 4.06    | 4.75    | 4.13    | 4.06    | 3.89    | 3.88    |
| 80.00°  | 3.19    | 3.19    | 3.44    | 3.45    | 4.00    | 3.40    | 3.09    | 3.43    | 4.34    | 2.96    | 2.90    | 3.75    | 3.10    | 3.58    | 3.29    | 3.08    | 3.19    |
| 82.50°  | 2.61    | 2.65    | 2.80    | 3.22    | 3.34    | 3.01    | 2.32    | 2.79    | 3.24    | 2.43    | 2.89    | 2.92    | 1.95    | 2.74    | 2.61    | 2.78    | 2.61    |
| 85.00°  | 2.51    | 2.45    | 2.12    | 2.60    | 2.63    | 2.62    | 2.48    | 2.28    | 2.67    | 1.96    | 2.44    | 1.87    | 1.80    | 2.10    | 2.51    | 2.48    | 2.51    |
| 87.50°  | 2.39    | 2.44    | 1.84    | 1.74    | 1.95    | 2.37    | 2.45    | 2.17    | 2.15    | 1.79    | 1.80    | 1.70    | 1.65    | 1.78    | 2.35    | 2.19    | 2.39    |
| 90.00°  | 2.17    | 2.17    | 1.76    | 1.58    | 2.03    | 2.14    | 1.82    | 2.11    | 1.86    | 1.73    | 1.59    | 1.78    | 1.52    | 1.62    | 1.98    | 1.93    | 2.17    |
| 92.50°  | 1.91    | 1.78    | 1.72    | 1.76    | 2.06    | 2.31    | 1.48    | 2.18    | 1.63    | 1.71    | 1.51    | 1.72    | 1.56    | 1.65    | 1.72    | 1.73    | 1.91    |
| 95.00°  | 1.59    | 1.76    | 1.71    | 1.92    | 1.80    | 2.39    | 1.84    | 2.21    | 1.60    | 1.69    | 1.44    | 1.64    | 1.78    | 1.63    | 1.78    | 1.59    | 1.59    |
| 97.50°  | 1.54    | 1.86    | 1.63    | 2.08    | 1.60    | 1.94    | 2.05    | 2.16    | 1.65    | 1.69    | 1.37    | 1.85    | 1.93    | 1.55    | 1.77    | 1.57    | 1.54    |
| 100.00° | 1.94    | 1.94    | 1.54    | 1.99    | 1.70    | 1.54    | 2.00    | 2.05    | 1.87    | 1.69    | 1.74    | 2.09    | 2.01    | 1.67    | 1.63    | 1.60    | 1.94    |
| 102.50° | 2.01    | 2.02    | 2.03    | 1.84    | 1.76    | 1.37    | 1.99    | 1.86    | 1.99    | 1.88    | 2.15    | 1.93    | 2.14    | 1.92    | 1.67    | 1.71    | 2.01    |
| 105.00° | 1.69    | 1.98    | 2.61    | 1.68    | 1.72    | 1.36    | 2.03    | 1.74    | 1.95    | 2.07    | 2.07    | 1.78    | 2.29    | 1.94    | 1.96    | 1.80    | 1.69    |

### 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>   | 1209 | 1209 | 1209 | 1209 | 1180 | 1180 | 1180 | 1180 | 1125 | 1125 | 1125 | 1075 | 1075 | 1075 | 1029 | 1029 | 1008 |
|            | <b>1</b>   | 1161 | 1136 | 1114 | 1094 | 1135 | 1114 | 1094 | 1076 | 1071 | 1055 | 1041 | 1032 | 1020 | 1009 | 996  | 987  | 966  |
|            | <b>2</b>   | 1116 | 1074 | 1039 | 1010 | 1093 | 1056 | 1024 | 998  | 1022 | 997  | 975  | 991  | 971  | 953  | 962  | 946  | 927  |
|            | <b>3</b>   | 1074 | 1020 | 978  | 944  | 1054 | 1005 | 967  | 936  | 978  | 946  | 920  | 953  | 927  | 905  | 930  | 908  | 891  |
|            | <b>4</b>   | 1034 | 972  | 926  | 892  | 1017 | 960  | 918  | 886  | 938  | 903  | 875  | 918  | 888  | 864  | 899  | 874  | 858  |
|            | <b>5</b>   | 998  | 930  | 882  | 847  | 983  | 920  | 876  | 843  | 902  | 864  | 835  | 886  | 853  | 827  | 870  | 842  | 827  |
|            | <b>6</b>   | 964  | 892  | 844  | 810  | 950  | 884  | 839  | 807  | 869  | 830  | 801  | 855  | 821  | 795  | 842  | 812  | 798  |
|            | <b>7</b>   | 932  | 858  | 810  | 776  | 920  | 852  | 806  | 774  | 839  | 799  | 770  | 827  | 792  | 765  | 816  | 785  | 772  |
|            | <b>8</b>   | 903  | 827  | 780  | 747  | 892  | 822  | 777  | 745  | 811  | 771  | 742  | 801  | 765  | 738  | 791  | 759  | 747  |
|            | <b>9</b>   | 875  | 799  | 752  | 720  | 865  | 794  | 750  | 719  | 785  | 745  | 716  | 776  | 740  | 714  | 768  | 735  | 724  |
|            | <b>10</b>  | 849  | 773  | 727  | 696  | 840  | 768  | 725  | 695  | 761  | 721  | 693  | 753  | 717  | 691  | 746  | 713  | 703  |

### Cone of Light

| Mtg Height | Light Level | Beam Diameter |
|------------|-------------|---------------|
| 5.5 ft     | 96.9 fc     | 3.2 ft        |
| 6.5 ft     | 69.4 fc     | 3.8 ft        |
| 7.5 ft     | 52.1 fc     | 4.4 ft        |
| 8.0 ft     | 45.8 fc     | 4.7 ft        |
| 10.0 ft    | 29.3 fc     | 5.8 ft        |
| 12.0 ft    | 20.4 fc     | 7.0 ft        |
| 14.0 ft    | 15.0 fc     | 8.2 ft        |
| 16.0 ft    | 11.5 fc     | 9.4 ft        |
| 20.0 ft    | 7.3 fc      | 11.7 ft       |
| 24.0 ft    | 5.1 fc      | 14.0 ft       |
| 28.0 ft    | 3.7 fc      | 16.4 ft       |

### Average Luminaire Luminance [cd/m²]

|               | 0.00°  | 45.00° | 90.00° |
|---------------|--------|--------|--------|
| <b>0.00°</b>  | 911127 | 911127 | 911127 |
| <b>45.00°</b> | 14321  | 15457  | 14801  |
| <b>55.00°</b> | 10761  | 10275  | 11012  |
| <b>65.00°</b> | 8245   | 7948   | 7638   |
| <b>75.00°</b> | 5864   | 5996   | 6049   |
| <b>85.00°</b> | 8961   | 7571   | 9367   |

### 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  | 12.0             | 12.9 | 12.4 | 13.3 | 13.6 | 12.2           | 13.1 | 12.6 | 13.5 | 13.8 |
|                     | 3H  | 13.3             | 14.1 | 13.7 | 14.5 | 14.9 | 13.2           | 14.0 | 13.6 | 14.4 | 14.8 |
|                     | 4H  | 13.7             | 14.4 | 14.1 | 14.8 | 15.2 | 13.6           | 14.3 | 14.0 | 14.7 | 15.1 |
|                     | 6H  | 13.9             | 14.7 | 14.4 | 15.1 | 15.5 | 14.0           | 14.7 | 14.4 | 15.1 | 15.5 |
|                     | 8H  | 14.1             | 14.7 | 14.5 | 15.2 | 15.6 | 14.1           | 14.8 | 14.6 | 15.2 | 15.6 |
|                     | 12H | 14.3             | 14.9 | 14.7 | 15.3 | 15.8 | 14.3           | 14.9 | 14.7 | 15.3 | 15.8 |
| 4H                  | 2H  | 12.3             | 13.1 | 12.8 | 13.5 | 13.9 | 12.5           | 13.2 | 12.9 | 13.6 | 14.0 |
|                     | 3H  | 13.8             | 14.5 | 14.3 | 14.9 | 15.3 | 13.6           | 14.3 | 14.1 | 14.7 | 15.1 |
|                     | 4H  | 14.3             | 14.9 | 14.8 | 15.3 | 15.8 | 14.1           | 14.7 | 14.5 | 15.1 | 15.6 |
|                     | 6H  | 14.7             | 15.2 | 15.2 | 15.7 | 16.2 | 14.6           | 15.1 | 15.1 | 15.6 | 16.1 |
|                     | 8H  | 14.9             | 15.4 | 15.4 | 15.8 | 16.3 | 14.9           | 15.3 | 15.4 | 15.8 | 16.3 |
|                     | 12H | 15.2             | 15.6 | 15.7 | 16.1 | 16.6 | 15.1           | 15.5 | 15.6 | 16.0 | 16.5 |
| 8H                  | 4H  | 14.5             | 14.9 | 14.9 | 15.4 | 15.9 | 14.2           | 14.7 | 14.7 | 15.1 | 15.6 |
|                     | 6H  | 15.0             | 15.3 | 15.5 | 15.9 | 16.4 | 14.9           | 15.3 | 15.4 | 15.8 | 16.3 |
|                     | 8H  | 15.3             | 15.6 | 15.8 | 16.1 | 16.7 | 15.3           | 15.6 | 15.8 | 16.1 | 16.6 |
|                     | 12H | 15.7             | 16.0 | 16.3 | 16.5 | 17.1 | 15.7           | 15.9 | 16.2 | 16.5 | 17.1 |
| 12H                 | 4H  | 14.4             | 14.8 | 15.0 | 15.3 | 15.8 | 14.2           | 14.6 | 14.7 | 15.1 | 15.6 |
|                     | 6H  | 15.0             | 15.3 | 15.6 | 15.8 | 16.4 | 14.9           | 15.2 | 15.5 | 15.7 | 16.3 |
|                     | 8H  | 15.4             | 15.7 | 15.9 | 16.2 | 16.8 | 15.4           | 15.6 | 15.9 | 16.2 | 16.8 |

Corrected UGR values based on total output energy  
 SHR = 1.0

Corrected UGR values based on total output lumens

SHR = 1.0