

Indoor Distribution Test Report

Spectrum Lighting Inc.

994 Jefferson Street
Fall River, MA 02721
+1.508.678.2303

Spectrum Lighting Photometric Lab

Luminaire

STL2 - 20L - 30HK - WF - xx - xx - MW

Track light for accent, display and general illumination.

Test Number

STL2-5

Test Date

2/18/25

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

Summary of Results

Power

| | |
|-------------|---------|
| Input Watts | 20.38 W |
|-------------|---------|

Lumen Output

| | |
|---------------|------------|
| Output Lumens | 1771 |
| Efficacy | 86.92 lm/W |

Luminous Dimensions

| | |
|-----------------|------|
| 0° - 180° Size | 0.12 |
| 90° - 270° Size | 1.83 |
| Height | 0.03 |

Spacing Criterion

| | |
|---------------------------|------|
| Two luminaires, plane 0° | 1.23 |
| Two luminaires, plane 90° | 1.21 |
| Four luminaires | 1.34 |

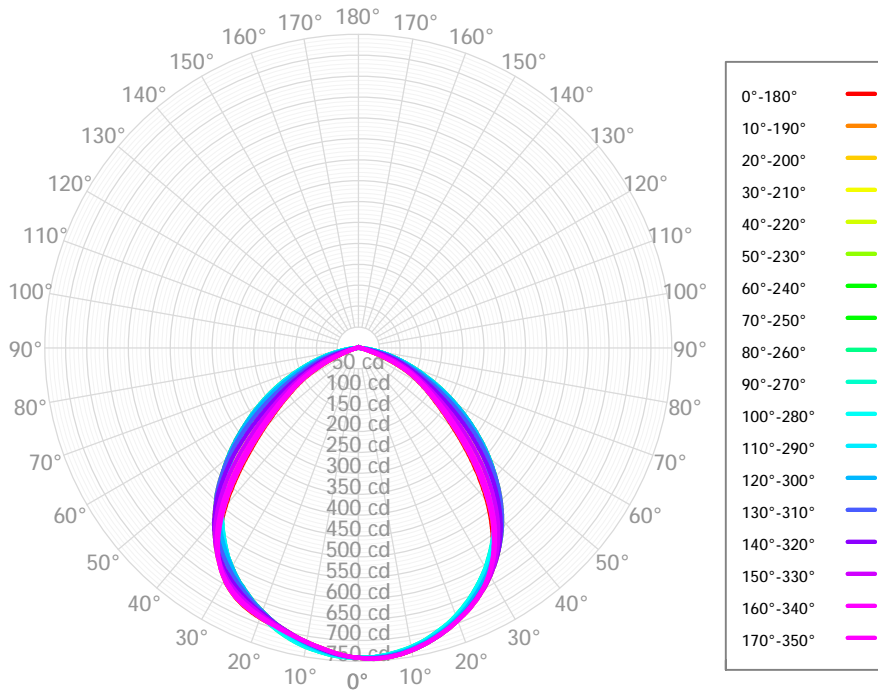
Full Beam Angle

| | |
|------------|------|
| 0° - 180° | 91° |
| 90° - 270° | 102° |

IES File Header Contents

| Keyword | Value |
|-----------|---|
| TEST | STL2-5 |
| TESTLAB | Spectrum Lighting Photometric Lab. |
| MANUFAC | Spectrum Lighting |
| TESTDATE | 2/18/25 |
| ISSUEDATE | 2/18/25 |
| LUMCAT | STL2 - 20L - 30HK - WF - xx - xx - MW |
| LUMINAIRE | Track light for accent, display and general illumination. |

Candela Polar Plot



Zonal Lumen Summary

| Zone | Lumens | % Fixture | Zone | Lumens | % Fixture |
|-----------------|---------|-----------|-------------------|---------|-----------|
| 0.00° - 10.00° | 70.14 | 3.96% | 90.00° - 100.00° | 1.27 | 0.07% |
| 10.00° - 20.00° | 199.58 | 11.27% | 100.00° - 110.00° | 1.22 | 0.07% |
| 20.00° - 30.00° | 302.51 | 17.08% | 100.00° - 120.00° | 2.46 | 0.14% |
| 30.00° - 40.00° | 358.14 | 20.22% | 120.00° - 130.00° | 1.21 | 0.07% |
| 40.00° - 50.00° | 339.78 | 19.18% | 130.00° - 140.00° | 1.11 | 0.06% |
| 50.00° - 60.00° | 260.04 | 14.68% | 140.00° - 150.00° | 0.98 | 0.06% |
| 60.00° - 70.00° | 159.29 | 8.99% | 150.00° - 160.00° | 0.77 | 0.04% |
| 70.00° - 80.00° | 62.83 | 3.55% | 160.00° - 170.00° | 0.49 | 0.03% |
| 80.00° - 90.00° | 10.57 | 0.60% | 170.00° - 180.00° | 0.17 | 0.01% |
| 0.00° - 90.00° | 1762.88 | 99.52% | 0.00° - 180.00° | 1771.35 | 100.00% |

Candela Distributi

| | 0.00° | 10.00° | 20.00° | 30.00° | 40.00° | 50.00° | 60.00° | 70.00° | 80.00° | 90.00° | 100.00° | 110.00° | 120.00° | 130.00° | 140.00° | 150.00° | 160.00° | 170.00° | 180.00° | 190.00° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.00° | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 | 741.41 |
| 1.00° | 742.75 | 742.79 | 742.71 | 743.04 | 742.56 | 742.44 | 741.55 | 741.44 | 741.26 | 741.20 | 740.79 | 740.78 | 740.22 | 740.16 | 739.90 | 739.74 | 739.96 | 739.99 | 739.97 | 739.99 |
| 2.00° | 743.50 | 743.87 | 743.73 | 743.36 | 743.34 | 742.88 | 741.64 | 741.30 | 740.91 | 741.09 | 740.36 | 739.76 | 738.92 | 738.74 | 738.37 | 737.77 | 738.40 | 738.21 | 738.18 | 738.21 |
| 3.00° | 744.25 | 744.94 | 744.76 | 743.69 | 744.13 | 743.31 | 741.44 | 740.69 | 740.56 | 740.40 | 739.59 | 738.52 | 737.40 | 736.69 | 736.26 | 735.44 | 736.04 | 735.51 | 735.57 | 735.51 |
| 4.00° | 744.01 | 744.74 | 744.21 | 743.54 | 743.65 | 742.79 | 741.02 | 739.91 | 739.29 | 739.22 | 738.82 | 736.85 | 735.64 | 734.64 | 734.15 | 733.11 | 733.69 | 732.80 | 732.96 | 732.80 |
| 5.00° | 743.49 | 744.18 | 743.57 | 743.11 | 743.13 | 742.12 | 740.46 | 738.97 | 737.92 | 738.00 | 737.22 | 735.17 | 733.87 | 731.91 | 731.45 | 730.00 | 730.49 | 729.86 | 730.12 | 729.86 |
| 6.00° | 742.72 | 743.26 | 742.49 | 742.52 | 742.19 | 741.13 | 738.78 | 737.59 | 736.29 | 735.83 | 735.21 | 733.37 | 731.21 | 728.90 | 728.38 | 726.85 | 726.79 | 726.85 | 727.22 | 726.85 |
| 7.00° | 741.38 | 741.53 | 740.91 | 741.03 | 740.82 | 739.64 | 737.10 | 736.20 | 734.31 | 733.66 | 733.12 | 731.55 | 728.54 | 725.87 | 725.25 | 723.69 | 723.25 | 723.85 | 724.20 | 723.85 |
| 8.00° | 740.05 | 739.79 | 739.34 | 739.55 | 739.44 | 738.15 | 735.08 | 734.15 | 732.33 | 731.43 | 730.70 | 729.21 | 725.38 | 722.77 | 721.71 | 720.52 | 720.47 | 720.91 | 720.93 | 720.91 |
| 9.00° | 737.65 | 737.24 | 736.63 | 737.29 | 737.01 | 736.04 | 732.87 | 731.90 | 729.64 | 729.14 | 728.28 | 726.04 | 721.76 | 719.68 | 718.18 | 717.34 | 717.68 | 717.96 | 717.66 | 717.96 |
| 10.00° | 735.02 | 734.52 | 733.90 | 734.67 | 734.59 | 733.88 | 730.54 | 729.38 | 726.92 | 726.75 | 725.47 | 722.87 | 718.14 | 716.09 | 714.77 | 714.01 | 714.56 | 714.85 | 714.66 | 714.85 |
| 11.00° | 732.01 | 731.59 | 730.96 | 731.89 | 731.80 | 731.20 | 727.52 | 726.19 | 723.81 | 723.46 | 722.51 | 718.93 | 714.44 | 712.34 | 711.43 | 710.67 | 711.28 | 711.72 | 711.72 | 711.72 |
| 12.00° | 728.28 | 728.31 | 727.82 | 728.50 | 728.69 | 727.86 | 724.51 | 722.99 | 720.28 | 720.16 | 719.26 | 714.91 | 710.73 | 708.44 | 707.96 | 707.05 | 708.04 | 708.70 | 708.79 | 708.70 |
| 13.00° | 724.55 | 725.03 | 724.64 | 725.10 | 725.53 | 724.53 | 721.02 | 719.17 | 716.74 | 716.36 | 715.10 | 710.89 | 706.62 | 704.18 | 703.91 | 703.18 | 704.95 | 705.87 | 705.91 | 705.87 |
| 14.00° | 720.88 | 721.11 | 720.65 | 721.46 | 721.59 | 720.52 | 717.32 | 715.21 | 712.11 | 712.25 | 710.95 | 706.87 | 702.19 | 699.92 | 699.87 | 699.34 | 701.85 | 703.03 | 703.03 | 703.03 |
| 15.00° | 717.23 | 717.10 | 716.66 | 717.72 | 717.65 | 716.49 | 713.46 | 711.06 | 707.48 | 708.02 | 706.33 | 702.85 | 697.71 | 695.63 | 695.86 | 696.01 | 698.70 | 699.98 | 700.23 | 699.98 |
| 16.00° | 713.09 | 713.08 | 712.46 | 713.76 | 713.40 | 712.29 | 709.05 | 706.53 | 702.96 | 703.15 | 701.57 | 697.82 | 692.73 | 691.32 | 691.86 | 692.69 | 695.52 | 696.91 | 697.43 | 696.91 |
| 17.00° | 708.21 | 709.03 | 708.10 | 709.14 | 708.93 | 707.92 | 704.64 | 702.01 | 698.55 | 698.29 | 696.66 | 692.76 | 687.75 | 686.81 | 687.76 | 689.39 | 692.39 | 694.13 | 694.78 | 694.13 |
| 18.00° | 703.33 | 704.97 | 703.66 | 704.51 | 704.36 | 703.54 | 699.47 | 696.89 | 694.06 | 692.99 | 691.39 | 687.36 | 682.31 | 681.91 | 683.33 | 686.11 | 689.41 | 691.76 | 692.33 | 691.76 |
| 19.00° | 698.45 | 699.80 | 698.51 | 699.63 | 699.07 | 698.44 | 694.01 | 691.68 | 688.04 | 687.48 | 686.13 | 681.61 | 676.59 | 677.01 | 678.90 | 682.76 | 686.44 | 689.39 | 689.88 | 689.39 |
| 20.00° | 693.58 | 694.56 | 693.36 | 694.68 | 693.78 | 693.35 | 688.50 | 686.07 | 682.02 | 681.77 | 680.15 | 675.86 | 670.89 | 672.04 | 675.09 | 678.71 | 683.42 | 686.40 | 687.39 | 686.40 |
| 21.00° | 688.48 | 689.39 | 688.16 | 689.57 | 688.46 | 687.87 | 682.82 | 679.84 | 675.82 | 675.23 | 674.03 | 669.62 | 665.31 | 667.07 | 671.46 | 674.65 | 680.39 | 683.36 | 684.90 | 683.36 |
| 22.00° | 683.09 | 684.31 | 682.93 | 684.10 | 683.12 | 682.07 | 677.14 | 673.61 | 669.48 | 668.70 | 667.61 | 663.38 | 659.74 | 661.81 | 667.47 | 670.91 | 677.15 | 680.30 | 682.02 | 680.30 |
| 23.00° | 677.71 | 679.24 | 677.53 | 678.62 | 677.62 | 676.23 | 670.51 | 666.98 | 663.06 | 661.84 | 660.64 | 656.66 | 653.43 | 656.11 | 662.58 | 667.35 | 673.46 | 677.21 | 678.70 | 677.21 |
| 24.00° | 671.15 | 672.85 | 671.03 | 672.55 | 671.37 | 669.77 | 663.63 | 660.32 | 655.78 | 654.87 | 653.68 | 649.53 | 646.75 | 650.41 | 657.68 | 663.68 | 669.77 | 674.12 | 675.38 | 674.12 |
| 25.00° | 664.57 | 666.44 | 664.54 | 666.36 | 665.11 | 663.32 | 656.69 | 653.17 | 648.49 | 647.73 | 646.50 | 642.41 | 640.15 | 644.77 | 652.76 | 659.36 | 665.65 | 669.99 | 670.91 | 669.99 |
| 26.00° | 657.57 | 659.33 | 657.82 | 659.97 | 658.57 | 656.75 | 649.64 | 645.41 | 640.81 | 640.11 | 639.29 | 635.57 | 633.91 | 639.13 | 647.84 | 655.04 | 661.44 | 665.85 | 666.44 | 665.85 |
| 27.00° | 650.18 | 651.53 | 650.98 | 653.23 | 651.90 | 650.12 | 642.59 | 637.65 | 632.89 | 632.49 | 631.53 | 628.72 | 627.67 | 633.28 | 642.67 | 650.14 | 656.67 | 660.62 | 661.01 | 660.62 |
| 28.00° | 642.73 | 643.68 | 643.80 | 646.48 | 645.04 | 643.37 | 635.10 | 629.83 | 624.94 | 624.42 | 622.95 | 621.13 | 620.53 | 627.16 | 637.01 | 644.95 | 650.90 | 654.36 | 654.73 | 654.36 |
| 29.00° | 632.53 | 634.24 | 635.22 | 638.62 | 637.45 | 635.76 | 627.53 | 622.00 | 616.84 | 616.22 | 614.36 | 613.01 | 613.04 | 621.04 | 631.36 | 639.47 | 645.14 | 648.02 | 648.30 | 648.02 |
| 30.00° | 622.32 | 624.80 | 626.64 | 630.61 | 629.86 | 628.15 | 619.63 | 613.86 | 608.74 | 607.69 | 605.97 | 604.87 | 605.49 | 614.25 | 625.23 | 632.76 | 637.80 | 639.84 | 639.59 | 639.84 |
| 31.00° | 611.31 | 614.34 | 616.61 | 622.02 | 621.96 | 620.15 | 611.18 | 605.38 | 599.76 | 598.40 | 597.58 | 596.65 | 597.76 | 607.44 | 619.03 | 626.05 | 630.26 | 631.66 | 630.88 | 631.66 |
| 32.00° | 599.62 | 603.09 | 606.00 | 612.59 | 613.94 | 611.93 | 602.72 | 596.89 | 590.36 | 589.10 | 588.59 | 588.43 | 590.03 | 600.41 | 612.31 | 618.35 | 621.76 | 621.79 | 620.65 | 621.79 |
| 33.00° | 587.80 | 591.64 | 595.00 | 603.15 | 605.50 | 603.64 | 594.07 | 587.44 | 580.87 | 579.57 | 578.85 | 579.57 | 581.96 | 593.16 | 604.76 | 610.27 | 611.86 | 610.64 | 609.31 | 610.64 |
| 34.00° | 574.22 | 578.17 | 582.80 | 592.18 | 595.89 | 594.96 | 585.38 | 577.98 | 571.05 | 569.98 | 569.11 | 570.35 | 573.79 | 585.90 | 597.22 | 601.72 | 601.96 | 599.19 | 597.53 | 599.19 |
| 35.00° | 560.64 | 564.70 | 570.59 | 581.10 | 586.28 | 586.29 | 576.47 | 568.39 | 561.23 | 560.17 | 559.31 | 561.08 | 565.48 | 577.68 | 588.54 | 591.71 | 589.53 | 585.00 | 582.20 | 585.00 |
| 36.00° | 545.65 | 550.43 | 556.98 | 569.33 | 575.62 | 576.89 | 567.22 | 558.70 | 551.07 | 549.96 | 549.51 | 551.57 | 556.86 | 569.46 | 579.74 | 581.69 | 576.92 | 570.80 | 566.86 | 570.80 |
| 37.00° | 529.69 | 535.63 | 542.94 | 556.74 | 564.69 | 567.17 | 557.97 | 548.96 | 540.79 | 539.74 | 539.41 | 542.05 | 548.24 | 560.78 | 570.09 | 569.60 | 562.71 | 554.59 | 549.81 | 554.59 |
| 38.00° | 513.58 | 520.47 | 528.36 | 544.15 | 553.34 | 557.18 | 547.65 | 538.61 | 530.28 | 528.74 | 529.01 | 531.78 | 539.03 | 551.70 | 559.33 | 556.90 | 546.64 | 537.14 | 531.76 | 537.14 |
| 39.00° | 496.33 | 503.06 | 512.45 | 529.68 | 541.12 | 546.21 | 537.26 | 528.27 | 519.10 | 517.62 | 518.59 | 521.16 | 529.67 | 542.53 | 548.57 | 543.47 | 530.57 | 519.36 | 513.38 | 519.36 |
| 40.00° | 479.08 | 485.64 | 496.54 | 515.17 | 528.89 | 535.23 | 526.79 | 517.46 | 507.92 | 506.29 | 507.33 | 510.68 | 520.08 | 532.11 | 536.29 | 528.30 | 512.73 | 499.59 | 493.16 | 499.59 |
| 41.00° | 460.76 | 467.38 | 479.84 | 500.09 | 515.32 | 523.54 | 516.22 | 506.34 | 496.80 | 494.66 | 496.07 | 500.71 | 510.01 | 521.69 | 523.93 | 513.12 | 494.87 | 479.81 | 472.94 | 479.81 |
| 42.00° | 441.87 | 448.68 | 462.96 | 484.45 | 501.50 | 511.60 | 505.64 | 495.21 | 485.70 | 483.03 | 484.69 | 490.73 | 499.94 | 510.73 | 510.49 | 496.14 | 475.89 | 459.07 | 451.80 | 459.07 |
| 43.00° | 422.99 | 429.99 | 445.65 | 468.77 | 487.42 | 499.48 | 494.51 | 484.05 | 474.39 | 471.68 | 473.21 | 479.86 | 489.11 | 499.40 | 495.89 | 478.76 | 455.83 | 437.85 | 430.24 | 437.85 |

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 | 2107 | 2107 | 2107 | 2107 | 2057 | 2057 | 2057 | 2057 | 1963 | 1963 | 1963 | 1878 | 1878 | 1878 | 1800 | 1800 | 1763 |
| | 1 | 1951 | 1877 | 1811 | 1752 | 1903 | 1837 | 1777 | 1723 | 1761 | 1712 | 1667 | 1691 | 1652 | 1615 | 1627 | 1596 | 1562 |
| | 2 | 1792 | 1661 | 1553 | 1463 | 1746 | 1628 | 1529 | 1445 | 1565 | 1482 | 1410 | 1507 | 1438 | 1377 | 1453 | 1397 | 1366 |
| | 3 | 1646 | 1476 | 1344 | 1239 | 1603 | 1448 | 1326 | 1228 | 1395 | 1291 | 1206 | 1346 | 1258 | 1184 | 1301 | 1227 | 1200 |
| | 4 | 1515 | 1319 | 1175 | 1065 | 1475 | 1295 | 1161 | 1058 | 1251 | 1135 | 1043 | 1210 | 1109 | 1028 | 1171 | 1085 | 1062 |
| | 5 | 1399 | 1186 | 1037 | 927 | 1362 | 1166 | 1026 | 922 | 1129 | 1006 | 912 | 1094 | 986 | 901 | 1061 | 967 | 946 |
| | 6 | 1296 | 1073 | 924 | 816 | 1262 | 1056 | 915 | 813 | 1024 | 899 | 805 | 994 | 883 | 798 | 967 | 868 | 850 |
| | 7 | 1204 | 977 | 829 | 726 | 1174 | 962 | 822 | 723 | 935 | 809 | 717 | 909 | 796 | 712 | 885 | 784 | 768 |
| | 8 | 1123 | 894 | 750 | 651 | 1095 | 881 | 744 | 649 | 858 | 733 | 644 | 836 | 723 | 640 | 815 | 713 | 699 |
| | 9 | 1050 | 822 | 682 | 588 | 1025 | 812 | 678 | 586 | 791 | 669 | 583 | 772 | 660 | 580 | 754 | 652 | 640 |
| | 10 | 985 | 760 | 625 | 535 | 963 | 751 | 621 | 534 | 733 | 613 | 531 | 716 | 606 | 528 | 700 | 599 | 589 |

Cone of Light

| Mtg Height | Light Level | Beam Diameter |
|------------|-------------|---------------|
| 5.5 ft | 24.5 fc | 11.3 ft |
| 6.5 ft | 17.5 fc | 13.3 ft |
| 7.5 ft | 13.2 fc | 15.4 ft |
| 8.0 ft | 11.6 fc | 16.4 ft |
| 10.0 ft | 7.4 fc | 20.5 ft |
| 12.0 ft | 5.1 fc | 24.6 ft |
| 14.0 ft | 3.8 fc | 28.7 ft |
| 16.0 ft | 2.9 fc | 32.8 ft |
| 20.0 ft | 1.9 fc | 41.0 ft |
| 24.0 ft | 1.3 fc | 49.2 ft |
| 28.0 ft | 0.9 fc | 57.4 ft |

Average Luminaire Luminance [cd/m²]

| | 0.00° | 45.00° | 90.00° |
|--------|-------|--------|--------|
| 0.00° | 36100 | 36100 | 36100 |
| 45.00° | 20983 | 26772 | 30358 |
| 55.00° | 13908 | 20569 | 26616 |
| 65.00° | 8826 | 13802 | 21535 |
| 75.00° | 2247 | 7559 | 15351 |
| 85.00° | 1126 | 1155 | 6421 |

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 | | Viewing C0-180 | | | | | Viewing C90-270 | | | | |
| 2H | 2H | 20.1 | 21.6 | 20.5 | 22.0 | 22.3 | 23.4 | 24.9 | 23.8 | 25.3 | 25.6 |
| | 3H | 20.8 | 22.1 | 21.2 | 22.5 | 22.8 | 24.8 | 26.1 | 25.1 | 26.5 | 26.8 |
| | 4H | 20.8 | 22.1 | 21.2 | 22.4 | 22.8 | 25.2 | 26.4 | 25.6 | 26.8 | 27.2 |
| | 6H | 20.8 | 21.9 | 21.2 | 22.3 | 22.7 | 25.4 | 26.6 | 25.8 | 27.0 | 27.4 |
| | 8H | 20.7 | 21.9 | 21.2 | 22.3 | 22.7 | 25.5 | 26.6 | 25.9 | 27.0 | 27.4 |
| | 12H | 20.7 | 21.8 | 21.2 | 22.2 | 22.6 | 25.5 | 26.5 | 25.9 | 26.9 | 27.4 |
| 4H | 2H | 20.9 | 22.2 | 21.3 | 22.6 | 22.9 | 23.6 | 24.9 | 24.0 | 25.2 | 25.6 |
| | 3H | 21.7 | 22.8 | 22.2 | 23.2 | 23.6 | 25.1 | 26.2 | 25.5 | 26.6 | 27.0 |
| | 4H | 21.8 | 22.7 | 22.2 | 23.1 | 23.6 | 25.6 | 26.6 | 26.1 | 27.0 | 27.4 |
| | 6H | 21.8 | 22.6 | 22.2 | 23.0 | 23.5 | 26.0 | 26.8 | 26.4 | 27.2 | 27.7 |
| | 8H | 21.7 | 22.5 | 22.2 | 23.0 | 23.4 | 26.0 | 26.8 | 26.5 | 27.3 | 27.7 |
| | 12H | 21.7 | 22.4 | 22.2 | 22.9 | 23.4 | 26.1 | 26.7 | 26.6 | 27.2 | 27.7 |
| 8H | 4H | 22.1 | 22.8 | 22.5 | 23.3 | 23.8 | 25.6 | 26.4 | 26.1 | 26.8 | 27.3 |
| | 6H | 22.1 | 22.7 | 22.6 | 23.2 | 23.7 | 25.9 | 26.6 | 26.5 | 27.1 | 27.6 |
| | 8H | 22.0 | 22.6 | 22.6 | 23.1 | 23.6 | 26.0 | 26.6 | 26.6 | 27.1 | 27.6 |
| | 12H | 22.0 | 22.5 | 22.5 | 23.0 | 23.6 | 26.1 | 26.6 | 26.6 | 27.1 | 27.6 |
| 12H | 4H | 22.1 | 22.8 | 22.6 | 23.3 | 23.7 | 25.6 | 26.2 | 26.1 | 26.7 | 27.2 |
| | 6H | 22.1 | 22.6 | 22.6 | 23.1 | 23.7 | 25.9 | 26.5 | 26.4 | 26.9 | 27.5 |
| | 8H | 22.1 | 22.6 | 22.6 | 23.1 | 23.6 | 26.0 | 26.5 | 26.5 | 27.0 | 27.6 |

Corrected UGR values based on total output energy
 SHR = 1.0

Corrected UGR values based on total output lumens

SHR = 1.0