

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439136

Luminaire Tested: CB3-030U-085D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439136  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-030U-085D-835-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

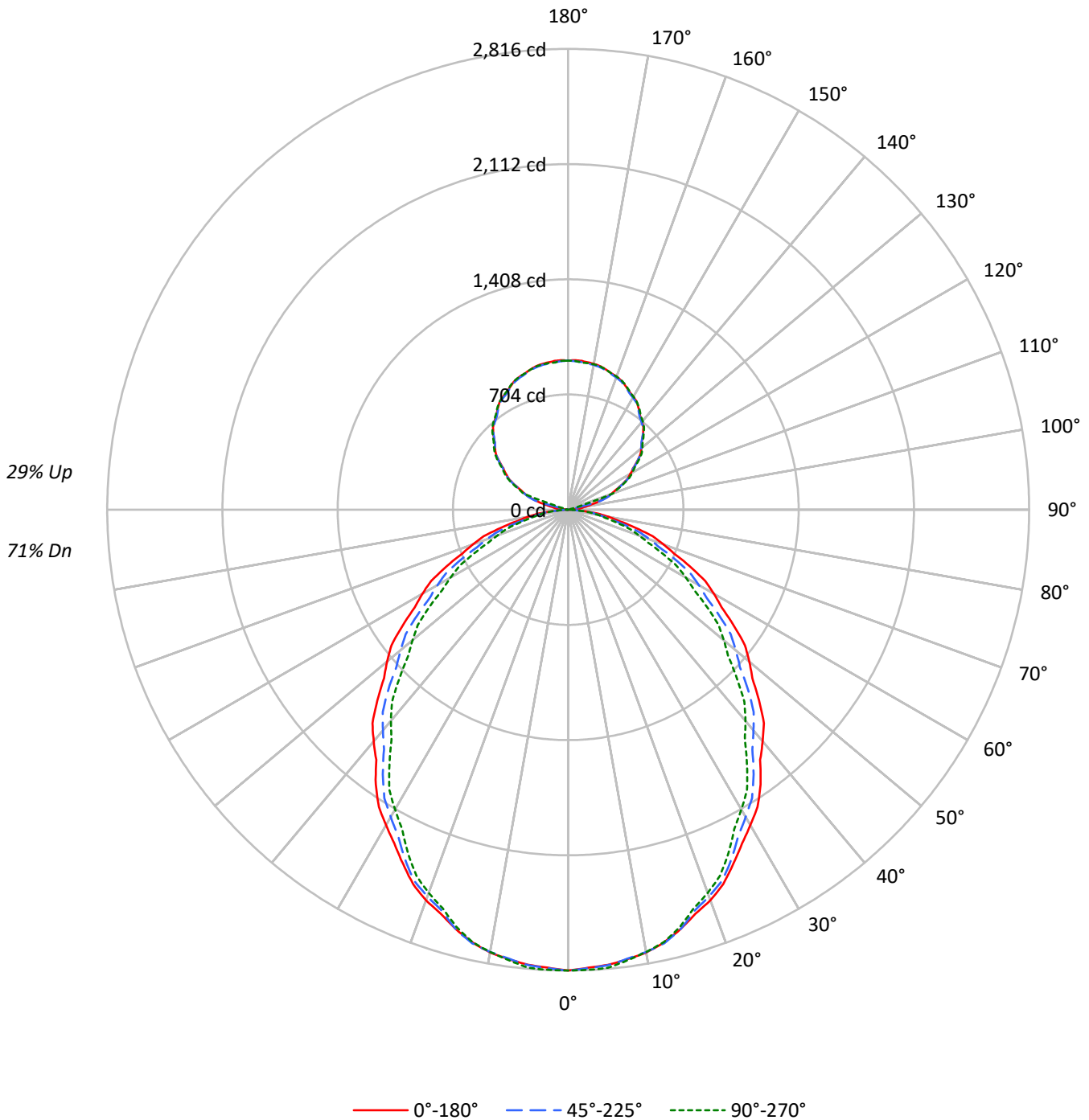
Lumens per Lamp: N/A  
Luminaire Lumens: 9430.7 lumens  
Efficiency: N/A  
Efficacy: 134.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 69.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
| 0   | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 | 71 |
| 1   | 103 | 98  | 95  | 91  | 97  | 93  | 90  | 87  | 84 | 81 | 79 | 75 | 73 | 72 | 68 | 66 | 65 | 61 |
| 2   | 94  | 86  | 80  | 75  | 89  | 82  | 76  | 72  | 74 | 70 | 66 | 67 | 63 | 60 | 60 | 57 | 55 | 51 |
| 3   | 86  | 76  | 69  | 63  | 81  | 72  | 66  | 60  | 66 | 60 | 56 | 59 | 55 | 51 | 53 | 50 | 47 | 44 |
| 4   | 79  | 68  | 60  | 53  | 74  | 64  | 57  | 52  | 58 | 53 | 48 | 53 | 48 | 44 | 48 | 44 | 41 | 38 |
| 5   | 72  | 61  | 52  | 46  | 68  | 58  | 50  | 45  | 53 | 46 | 42 | 48 | 43 | 39 | 43 | 39 | 36 | 33 |
| 6   | 67  | 55  | 46  | 40  | 63  | 52  | 45  | 39  | 48 | 41 | 36 | 43 | 38 | 34 | 39 | 35 | 32 | 29 |
| 7   | 62  | 49  | 41  | 36  | 59  | 47  | 40  | 34  | 43 | 37 | 32 | 39 | 34 | 30 | 36 | 31 | 28 | 26 |
| 8   | 58  | 45  | 37  | 32  | 55  | 43  | 36  | 31  | 40 | 33 | 29 | 36 | 31 | 27 | 33 | 29 | 25 | 23 |
| 9   | 54  | 41  | 34  | 28  | 51  | 40  | 33  | 28  | 36 | 30 | 26 | 33 | 28 | 25 | 31 | 26 | 23 | 21 |
| 10  | 50  | 38  | 31  | 26  | 48  | 37  | 30  | 25  | 34 | 28 | 24 | 31 | 26 | 22 | 28 | 24 | 21 | 19 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 15931 | 15931 | 15931 |
| 5°  | 15855 | 15867 | 15958 |
| 10° | 15786 | 15763 | 15763 |
| 15° | 15544 | 15544 | 15450 |
| 20° | 15292 | 15135 | 15003 |
| 25° | 14906 | 14719 | 14457 |
| 30° | 14541 | 14162 | 13823 |
| 35° | 14158 | 13633 | 13150 |
| 40° | 13648 | 12998 | 12436 |
| 45° | 13185 | 12433 | 11665 |
| 50° | 12709 | 11758 | 10913 |
| 55° | 12191 | 11106 | 10199 |
| 60° | 11631 | 10432 | 9391  |
| 65° | 10977 | 9665  | 8540  |
| 70° | 10222 | 8767  | 7609  |
| 75° | 9268  | 7694  | 6776  |
| 80° | 8080  | 6451  | 5995  |
| 85° | 6231  | 5452  | 5452  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13185 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 265.7  | 2.8       |
| 10°-20°   | 746.4  | 7.9       |
| 20°-30°   | 1084.5 | 11.5      |
| 30°-40°   | 1233.0 | 13.1      |
| 40°-50°   | 1197.0 | 12.7      |
| 50°-60°   | 1010.6 | 10.7      |
| 60°-70°   | 719.0  | 7.6       |
| 70°-80°   | 384.2  | 4.1       |
| 80°-90°   | 101.5  | 1.1       |
| 90°-100°  | 21.0   | 0.2       |
| 100°-110° | 152.4  | 1.6       |
| 110°-120° | 362.3  | 3.8       |
| 120°-130° | 462.8  | 4.9       |
| 130°-140° | 499.2  | 5.3       |
| 140°-150° | 470.6  | 5.0       |
| 150°-160° | 383.9  | 4.1       |
| 160°-170° | 250.1  | 2.7       |
| 170°-180° | 86.5   | 0.9       |
| 0°-30°    | 2096.6 | 22.2      |
| 0°-40°    | 3329.7 | 35.3      |
| 0°-60°    | 5537.2 | 58.7      |
| 0°-90°    | 6741.9 | 71.5      |
| 90°-120°  | 535.7  | 5.7       |
| 90°-150°  | 1968.3 | 20.9      |
| 90°-180°  | 2689.0 | 28.5      |
| 0°-180°   | 9430.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 2816 | 2816  | 2816 | 2816  | 2816 |      |
| 5°   | 2792 | 2827  | 2794 | 2790  | 2810 | 265  |
| 15°  | 2654 | 2678  | 2654 | 2638  | 2638 | 748  |
| 25°  | 2388 | 2396  | 2358 | 2326  | 2316 | 1100 |
| 35°  | 2050 | 2030  | 1974 | 1916  | 1904 | 1277 |
| 45°  | 1648 | 1623  | 1554 | 1480  | 1458 | 1271 |
| 55°  | 1236 | 1203  | 1126 | 1054  | 1034 | 1105 |
| 65°  | 820  | 791   | 722  | 658   | 638  | 812  |
| 75°  | 424  | 400   | 352  | 316   | 310  | 452  |
| 85°  | 96   | 88    | 84   | 84    | 84   | 114  |
| 90°  | 0    | 0     | 0    | 1     | 0    | 5    |
| 95°  | 38   | 7     | 9    | 10    | 10   | 47   |
| 105° | 193  | 196   | 198  | 14    | 15   | 203  |
| 115° | 362  | 364   | 365  | 371   | 373  | 357  |
| 125° | 514  | 518   | 516  | 522   | 525  | 459  |
| 135° | 646  | 649   | 644  | 649   | 653  | 498  |
| 145° | 752  | 756   | 747  | 752   | 756  | 470  |
| 155° | 833  | 840   | 828  | 830   | 836  | 384  |
| 165° | 888  | 892   | 883  | 880   | 886  | 251  |
| 175° | 913  | 918   | 906  | 901   | 904  | 87   |
| 180° | 911  | 911   | 911  | 911   | 911  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 2816.0 | 2816.0 | 2816.0 | 2816.0 | 2816.0 |
| 2.5°   | 2801.6 | 2829.8 | 2804.8 | 2808.1 | 2814.4 |
| 5°     | 2792.0 | 2827.2 | 2794.0 | 2790.4 | 2810.0 |
| 7.5°   | 2770.4 | 2802.5 | 2768.0 | 2760.0 | 2777.6 |
| 10°    | 2748.0 | 2783.2 | 2744.0 | 2734.2 | 2744.0 |
| 12.5°  | 2708.0 | 2744.8 | 2713.6 | 2697.4 | 2705.6 |
| 15°    | 2654.0 | 2677.5 | 2654.0 | 2638.0 | 2638.0 |
| 17.5°  | 2588.0 | 2612.6 | 2568.4 | 2557.1 | 2552.8 |
| 20°    | 2540.0 | 2561.5 | 2514.0 | 2497.9 | 2492.0 |
| 22.5°  | 2476.0 | 2495.9 | 2456.4 | 2429.0 | 2421.6 |
| 25°    | 2388.0 | 2395.8 | 2358.0 | 2325.8 | 2316.0 |
| 27.5°  | 2299.6 | 2301.6 | 2249.6 | 2210.5 | 2197.6 |
| 30°    | 2226.0 | 2228.0 | 2168.0 | 2125.8 | 2116.0 |
| 32.5°  | 2152.4 | 2146.5 | 2089.6 | 2039.4 | 2032.8 |
| 35°    | 2050.0 | 2030.4 | 1974.0 | 1915.7 | 1904.0 |
| 37.5°  | 1926.4 | 1914.7 | 1848.0 | 1789.6 | 1772.0 |
| 40°    | 1848.0 | 1828.4 | 1760.0 | 1701.6 | 1684.0 |
| 42.5°  | 1769.6 | 1746.9 | 1676.8 | 1612.0 | 1592.8 |
| 45°    | 1648.0 | 1622.6 | 1554.0 | 1479.5 | 1458.0 |
| 47.5°  | 1525.6 | 1497.8 | 1422.4 | 1350.3 | 1326.4 |
| 50°    | 1444.0 | 1414.7 | 1336.0 | 1265.4 | 1240.0 |
| 52.5°  | 1360.8 | 1329.9 | 1251.2 | 1179.1 | 1158.4 |
| 55°    | 1236.0 | 1202.8 | 1126.0 | 1053.6 | 1034.0 |
| 57.5°  | 1111.2 | 1078.3 | 1002.0 | 933.5  | 910.0  |
| 60°    | 1028.0 | 996.7  | 922.0  | 853.5  | 830.0  |
| 62.5°  | 943.2  | 913.5  | 840.4  | 773.5  | 751.6  |
| 65°    | 820.0  | 790.7  | 722.0  | 657.6  | 638.0  |
| 67.5°  | 698.0  | 673.0  | 605.2  | 546.0  | 530.4  |
| 70°    | 618.0  | 594.5  | 530.0  | 475.6  | 460.0  |
| 72.5°  | 541.2  | 516.2  | 454.8  | 408.6  | 397.6  |
| 75°    | 424.0  | 400.5  | 352.0  | 315.9  | 310.0  |
| 77.5°  | 316.8  | 297.6  | 255.6  | 235.1  | 232.0  |
| 80°    | 248.0  | 230.4  | 198.0  | 184.0  | 184.0  |
| 82.5°  | 184.0  | 169.5  | 148.4  | 142.4  | 142.4  |
| 85°    | 96.0   | 88.2   | 84.0   | 84.0   | 84.0   |
| 87.5°  | 28.8   | 28.8   | 27.2   | 25.7   | 25.6   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.7    | 0.0    |
| 92.5°  | 10.4   | 4.0    | 3.3    | 4.0    | 3.8    |
| 95°    | 38.4   | 6.9    | 8.9    | 9.6    | 9.6    |
| 97.5°  | 77.4   | 76.0   | 10.4   | 12.5   | 12.6   |
| 100°   | 107.1  | 110.5  | 11.0   | 13.1   | 13.7   |
| 102.5° | 140.1  | 142.9  | 20.3   | 13.6   | 14.3   |
| 105°   | 192.9  | 195.6  | 198.4  | 14.4   | 15.1   |
| 107.5° | 245.5  | 247.5  | 249.4  | 224.5  | 84.0   |
| 110°   | 280.1  | 282.1  | 282.9  | 289.8  | 291.1  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 312.5 | 315.1 | 316.4 | 322.2 | 324.6 |
| 115°   | 361.8 | 364.5 | 365.3 | 370.8 | 372.8 |
| 117.5° | 408.6 | 411.5 | 412.8 | 417.2 | 420.5 |
| 120°   | 439.4 | 442.8 | 443.5 | 449.1 | 451.8 |
| 122.5° | 469.6 | 473.5 | 473.2 | 478.2 | 482.0 |
| 125°   | 514.2 | 517.6 | 516.3 | 521.9 | 525.2 |
| 127.5° | 556.7 | 558.7 | 555.8 | 562.6 | 565.5 |
| 130°   | 583.6 | 585.6 | 582.2 | 588.5 | 591.8 |
| 132.5° | 608.3 | 611.4 | 607.5 | 613.2 | 616.5 |
| 135°   | 646.1 | 649.4 | 644.0 | 648.9 | 652.9 |
| 137.5° | 679.7 | 683.7 | 677.2 | 682.9 | 686.4 |
| 140°   | 701.7 | 705.7 | 697.6 | 703.8 | 707.9 |
| 142.5° | 722.0 | 727.1 | 717.3 | 723.1 | 727.6 |
| 145°   | 751.8 | 756.5 | 747.0 | 751.9 | 755.9 |
| 147.5° | 780.1 | 784.1 | 775.0 | 778.5 | 781.3 |
| 150°   | 797.1 | 801.1 | 790.9 | 794.4 | 797.8 |
| 152.5° | 810.8 | 816.5 | 806.3 | 808.8 | 813.7 |
| 155°   | 832.8 | 839.5 | 828.0 | 830.2 | 835.6 |
| 157.5° | 853.0 | 859.0 | 847.5 | 849.4 | 854.1 |
| 160°   | 865.1 | 871.1 | 859.6 | 860.4 | 865.1 |
| 162.5° | 874.4 | 879.9 | 870.0 | 868.6 | 874.4 |
| 165°   | 887.7 | 892.4 | 882.9 | 880.3 | 886.4 |
| 167.5° | 898.9 | 904.2 | 892.5 | 890.4 | 897.2 |
| 170°   | 904.9 | 910.3 | 898.0 | 894.8 | 902.2 |
| 172.5° | 908.7 | 913.6 | 901.9 | 897.5 | 903.3 |
| 175°   | 913.1 | 917.8 | 905.6 | 900.8 | 903.5 |
| 177.5° | 914.4 | 918.1 | 908.3 | 904.1 | 910.5 |
| 180°   | 911.1 | 911.1 | 911.1 | 911.1 | 911.1 |



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**CIE UGR TABLE:**

| Reflectances:   |      |                  |       |       |       |       |                |       |       |       |       |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling         |      | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall            |      | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane |      | 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 |       |       |       |       |
| X=2H            | Y=2H | 18.56            | 19.63 | 19.31 | 20.40 | 21.33 | 17.48          | 18.56 | 18.23 | 19.33 | 20.25 |
|                 | 3H   | 20.24            | 21.21 | 21.00 | 21.99 | 22.94 | 18.91          | 19.87 | 19.67 | 20.65 | 21.61 |
|                 | 4H   | 20.88            | 21.79 | 21.66 | 22.58 | 23.55 | 19.44          | 20.35 | 20.22 | 21.14 | 22.11 |
|                 | 6H   | 21.28            | 22.12 | 22.07 | 22.91 | 23.90 | 19.76          | 20.60 | 20.56 | 21.40 | 22.39 |
|                 | 8H   | 21.42            | 22.22 | 22.22 | 23.04 | 24.02 | 19.89          | 20.69 | 20.70 | 21.51 | 22.50 |
|                 | 12H  | 21.49            | 22.26 | 22.30 | 23.07 | 24.08 | 19.98          | 20.74 | 20.79 | 21.55 | 22.56 |
| 4H              | 2H   | 18.99            | 19.90 | 19.78 | 20.69 | 21.66 | 18.13          | 19.04 | 18.92 | 19.83 | 20.80 |
|                 | 3H   | 20.90            | 21.66 | 21.70 | 22.48 | 23.47 | 19.77          | 20.53 | 20.57 | 21.35 | 22.34 |
|                 | 4H   | 21.66            | 22.35 | 22.47 | 23.17 | 24.19 | 20.39          | 21.08 | 21.20 | 21.90 | 22.91 |
|                 | 6H   | 22.17            | 22.77 | 23.00 | 23.62 | 24.64 | 20.81          | 21.41 | 21.64 | 22.25 | 23.27 |
|                 | 8H   | 22.37            | 22.92 | 23.20 | 23.77 | 24.80 | 20.98          | 21.54 | 21.82 | 22.39 | 23.42 |
|                 | 12H  | 22.47            | 22.98 | 23.33 | 23.84 | 24.88 | 21.10          | 21.60 | 21.95 | 22.47 | 23.50 |
| 8H              | 4H   | 21.80            | 22.36 | 22.64 | 23.20 | 24.24 | 20.66          | 21.22 | 21.50 | 22.06 | 23.10 |
|                 | 6H   | 22.43            | 22.89 | 23.29 | 23.78 | 24.81 | 21.20          | 21.66 | 22.06 | 22.55 | 23.58 |
|                 | 8H   | 22.71            | 23.12 | 23.58 | 24.00 | 25.05 | 21.45          | 21.86 | 22.33 | 22.75 | 23.80 |
|                 | 12H  | 22.88            | 23.24 | 23.76 | 24.11 | 25.22 | 21.64          | 22.00 | 22.52 | 22.87 | 23.98 |
| 12H             | 4H   | 21.79            | 22.29 | 22.64 | 23.15 | 24.19 | 20.68          | 21.18 | 21.53 | 22.04 | 23.08 |
|                 | 6H   | 22.45            | 22.86 | 23.32 | 23.74 | 24.79 | 21.26          | 21.67 | 22.13 | 22.55 | 23.60 |
|                 | 8H   | 22.76            | 23.12 | 23.63 | 23.99 | 25.10 | 21.55          | 21.91 | 22.43 | 22.78 | 23.89 |