

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: P1439154

Luminaire Tested: CB3-030U-120D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439154  
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-120D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

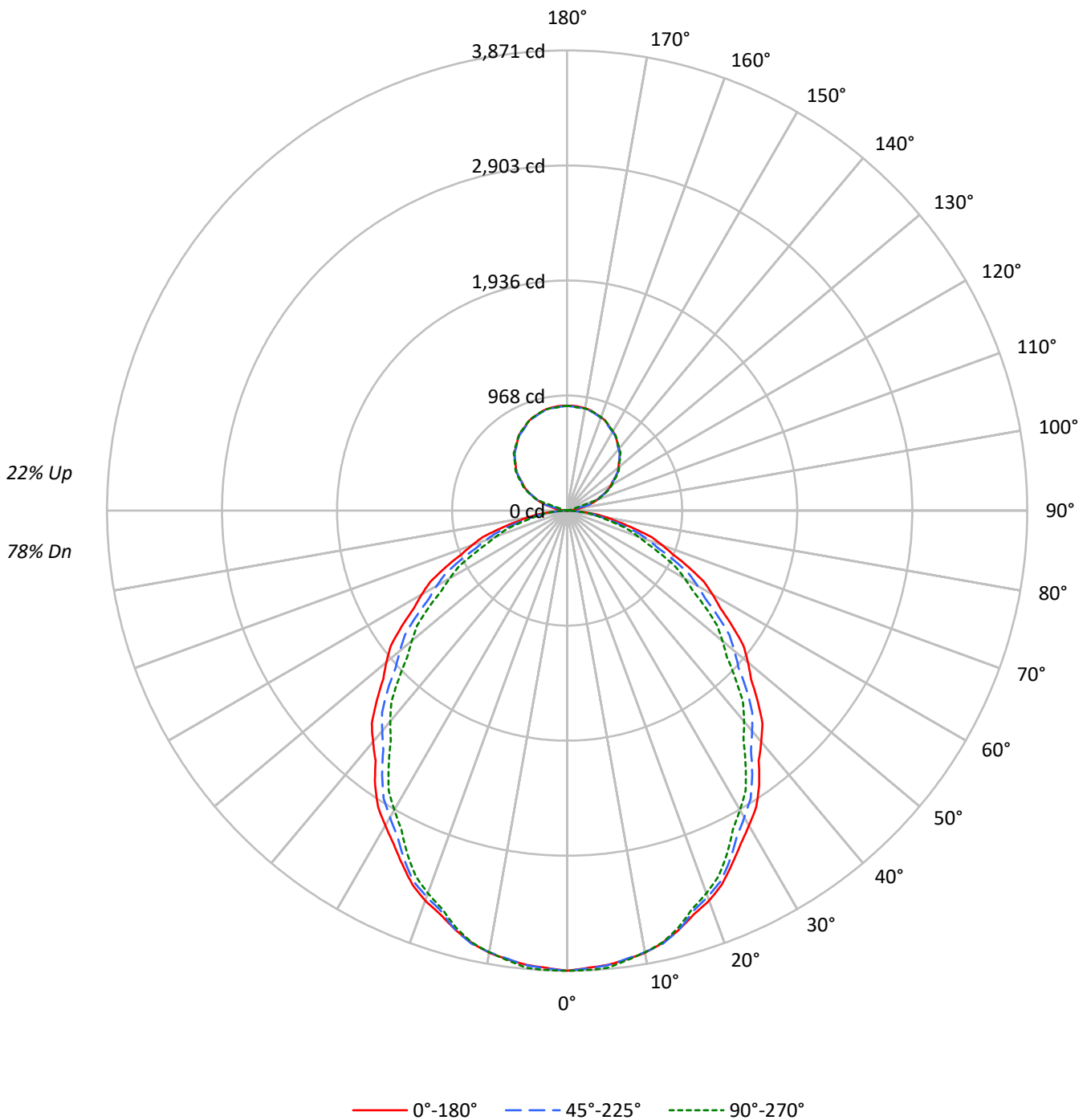
Lumens per Lamp: N/A  
Luminaire Lumens: 11864.1 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 94.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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   | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 90 | 90 | 90 | 82 | 82 | 82 | 78 |
| 1   | 104 | 100 | 96  | 92  | 99  | 96  | 92  | 89  | 87 | 85 | 82 | 80 | 78 | 76 | 73 | 71 | 70 | 66 |
| 2   | 95  | 88  | 81  | 76  | 91  | 84  | 78  | 73  | 77 | 72 | 69 | 70 | 67 | 64 | 65 | 62 | 59 | 56 |
| 3   | 87  | 77  | 70  | 64  | 83  | 74  | 67  | 62  | 68 | 63 | 58 | 63 | 58 | 54 | 57 | 54 | 51 | 48 |
| 4   | 80  | 69  | 61  | 54  | 76  | 66  | 59  | 53  | 61 | 55 | 50 | 56 | 51 | 47 | 52 | 47 | 44 | 41 |
| 5   | 74  | 62  | 53  | 47  | 70  | 59  | 52  | 46  | 55 | 48 | 43 | 51 | 45 | 41 | 47 | 42 | 39 | 36 |
| 6   | 68  | 56  | 47  | 41  | 65  | 53  | 46  | 40  | 50 | 43 | 38 | 46 | 40 | 36 | 42 | 38 | 34 | 32 |
| 7   | 63  | 50  | 42  | 36  | 60  | 49  | 41  | 36  | 45 | 39 | 34 | 42 | 36 | 32 | 39 | 34 | 30 | 28 |
| 8   | 59  | 46  | 38  | 32  | 56  | 44  | 37  | 32  | 41 | 35 | 30 | 38 | 33 | 29 | 36 | 31 | 27 | 25 |
| 9   | 55  | 42  | 34  | 29  | 52  | 41  | 34  | 29  | 38 | 32 | 27 | 35 | 30 | 26 | 33 | 28 | 25 | 23 |
| 10  | 51  | 39  | 31  | 26  | 49  | 38  | 31  | 26  | 35 | 29 | 25 | 33 | 28 | 24 | 31 | 26 | 23 | 21 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 21899 | 21899 | 21899 |
| 5°  | 21796 | 21811 | 21936 |
| 10° | 21700 | 21668 | 21668 |
| 15° | 21368 | 21368 | 21239 |
| 20° | 21021 | 20805 | 20623 |
| 25° | 20490 | 20233 | 19873 |
| 30° | 19989 | 19468 | 19001 |
| 35° | 19462 | 18740 | 18076 |
| 40° | 18760 | 17867 | 17096 |
| 45° | 18125 | 17091 | 16035 |
| 50° | 17470 | 16163 | 15002 |
| 55° | 16759 | 15266 | 14020 |
| 60° | 15989 | 14340 | 12910 |
| 65° | 15089 | 13286 | 11740 |
| 70° | 14051 | 12052 | 10459 |
| 75° | 12739 | 10577 | 9314  |
| 80° | 11106 | 8868  | 8239  |
| 85° | 8568  | 7497  | 7497  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18125 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 365.2   | 3.1       |
| 10°-20°   | 1026.1  | 8.6       |
| 20°-30°   | 1490.8  | 12.6      |
| 30°-40°   | 1694.9  | 14.3      |
| 40°-50°   | 1645.4  | 13.9      |
| 50°-60°   | 1389.2  | 11.7      |
| 60°-70°   | 988.4   | 8.3       |
| 70°-80°   | 528.1   | 4.5       |
| 80°-90°   | 139.5   | 1.2       |
| 90°-100°  | 20.3    | 0.2       |
| 100°-110° | 147.1   | 1.2       |
| 110°-120° | 349.8   | 2.9       |
| 120°-130° | 446.9   | 3.8       |
| 130°-140° | 482.1   | 4.1       |
| 140°-150° | 454.4   | 3.8       |
| 150°-160° | 370.7   | 3.1       |
| 160°-170° | 241.5   | 2.0       |
| 170°-180° | 83.5    | 0.7       |
| 0°-30°    | 2882.1  | 24.3      |
| 0°-40°    | 4577.1  | 38.6      |
| 0°-60°    | 7611.7  | 64.2      |
| 0°-90°    | 9267.7  | 78.1      |
| 90°-120°  | 517.3   | 4.4       |
| 90°-150°  | 1900.7  | 16.0      |
| 90°-180°  | 2596.0  | 21.9      |
| 0°-180°   | 11864.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 3871 | 3871  | 3871 | 3871  | 3871 |      |
| 5°   | 3838 | 3886  | 3841 | 3836  | 3863 | 364  |
| 15°  | 3648 | 3680  | 3648 | 3626  | 3626 | 1028 |
| 25°  | 3283 | 3293  | 3241 | 3197  | 3184 | 1512 |
| 35°  | 2818 | 2791  | 2714 | 2633  | 2617 | 1756 |
| 45°  | 2265 | 2230  | 2136 | 2034  | 2004 | 1747 |
| 55°  | 1699 | 1653  | 1548 | 1448  | 1421 | 1519 |
| 65°  | 1127 | 1087  | 992  | 904   | 877  | 1116 |
| 75°  | 583  | 551   | 484  | 434   | 426  | 621  |
| 85°  | 132  | 121   | 116  | 116   | 116  | 156  |
| 90°  | 0    | 0     | 0    | 1     | 0    | 7    |
| 95°  | 37   | 7     | 9    | 9     | 9    | 46   |
| 105° | 186  | 189   | 192  | 14    | 15   | 196  |
| 115° | 349  | 352   | 353  | 358   | 360  | 345  |
| 125° | 497  | 500   | 499  | 504   | 507  | 443  |
| 135° | 624  | 627   | 622  | 627   | 630  | 480  |
| 145° | 726  | 730   | 721  | 726   | 730  | 454  |
| 155° | 804  | 811   | 800  | 802   | 807  | 371  |
| 165° | 857  | 862   | 853  | 850   | 856  | 242  |
| 175° | 882  | 886   | 874  | 870   | 872  | 84   |
| 180° | 880  | 880   | 880  | 880   | 880  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 3871.0 | 3871.0 | 3871.0 | 3871.0 | 3871.0 |
| 2.5°   | 3851.2 | 3889.9 | 3855.6 | 3860.2 | 3868.8 |
| 5°     | 3838.0 | 3886.4 | 3840.7 | 3835.9 | 3862.7 |
| 7.5°   | 3808.3 | 3852.4 | 3805.0 | 3794.0 | 3818.2 |
| 10°    | 3777.5 | 3825.9 | 3772.0 | 3758.6 | 3772.0 |
| 12.5°  | 3722.5 | 3773.1 | 3730.2 | 3707.9 | 3719.2 |
| 15°    | 3648.3 | 3680.5 | 3648.3 | 3626.3 | 3626.3 |
| 17.5°  | 3557.6 | 3591.4 | 3530.6 | 3515.1 | 3509.2 |
| 20°    | 3491.6 | 3521.2 | 3455.8 | 3433.7 | 3425.6 |
| 22.5°  | 3403.6 | 3431.0 | 3376.7 | 3339.0 | 3328.8 |
| 25°    | 3282.6 | 3293.4 | 3241.4 | 3197.1 | 3183.7 |
| 27.5°  | 3161.1 | 3163.8 | 3092.4 | 3038.6 | 3020.9 |
| 30°    | 3059.9 | 3062.6 | 2980.2 | 2922.2 | 2908.7 |
| 32.5°  | 2958.8 | 2950.7 | 2872.4 | 2803.5 | 2794.4 |
| 35°    | 2818.0 | 2791.1 | 2713.5 | 2633.4 | 2617.3 |
| 37.5°  | 2648.1 | 2632.0 | 2540.3 | 2460.1 | 2435.9 |
| 40°    | 2540.3 | 2513.5 | 2419.4 | 2339.1 | 2314.9 |
| 42.5°  | 2432.6 | 2401.4 | 2305.0 | 2215.9 | 2189.5 |
| 45°    | 2265.4 | 2230.5 | 2136.2 | 2033.8 | 2004.2 |
| 47.5°  | 2097.1 | 2059.0 | 1955.3 | 1856.1 | 1823.3 |
| 50°    | 1985.0 | 1944.7 | 1836.5 | 1739.5 | 1704.6 |
| 52.5°  | 1870.6 | 1828.1 | 1719.9 | 1620.9 | 1592.4 |
| 55°    | 1699.1 | 1653.4 | 1547.8 | 1448.3 | 1421.4 |
| 57.5°  | 1527.5 | 1482.3 | 1377.4 | 1283.2 | 1250.9 |
| 60°    | 1413.1 | 1370.1 | 1267.4 | 1173.2 | 1141.0 |
| 62.5°  | 1296.6 | 1255.7 | 1155.2 | 1063.3 | 1033.2 |
| 65°    | 1127.2 | 1086.9 | 992.5  | 903.9  | 877.0  |
| 67.5°  | 959.5  | 925.1  | 831.9  | 750.6  | 729.1  |
| 70°    | 849.5  | 817.3  | 728.6  | 653.8  | 632.3  |
| 72.5°  | 744.0  | 709.5  | 625.2  | 561.6  | 546.6  |
| 75°    | 582.8  | 550.6  | 483.9  | 434.2  | 426.1  |
| 77.5°  | 435.5  | 409.1  | 351.4  | 323.2  | 318.9  |
| 80°    | 340.9  | 316.7  | 272.2  | 252.9  | 252.9  |
| 82.5°  | 252.9  | 233.0  | 204.0  | 195.7  | 195.7  |
| 85°    | 132.0  | 121.2  | 115.5  | 115.5  | 115.5  |
| 87.5°  | 39.6   | 39.6   | 37.4   | 35.3   | 35.2   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.6    | 0.0    |
| 92.5°  | 10.1   | 3.9    | 3.2    | 3.8    | 3.7    |
| 95°    | 37.1   | 6.7    | 8.6    | 9.3    | 9.3    |
| 97.5°  | 74.8   | 73.4   | 10.1   | 12.1   | 12.2   |
| 100°   | 103.4  | 106.7  | 10.6   | 12.6   | 13.3   |
| 102.5° | 135.2  | 138.0  | 19.6   | 13.1   | 13.8   |
| 105°   | 186.3  | 188.9  | 191.6  | 13.9   | 14.6   |
| 107.5° | 237.1  | 239.0  | 240.8  | 216.8  | 81.1   |
| 110°   | 270.5  | 272.4  | 273.1  | 279.8  | 281.1  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 301.8 | 304.3 | 305.5 | 311.1 | 313.5 |
| 115°   | 349.4 | 352.0 | 352.7 | 358.1 | 360.0 |
| 117.5° | 394.6 | 397.3 | 398.6 | 402.9 | 406.0 |
| 120°   | 424.3 | 427.6 | 428.3 | 433.6 | 436.2 |
| 122.5° | 453.5 | 457.2 | 456.9 | 461.8 | 465.4 |
| 125°   | 496.6 | 499.8 | 498.6 | 503.9 | 507.2 |
| 127.5° | 537.5 | 539.5 | 536.8 | 543.3 | 546.0 |
| 130°   | 563.5 | 565.5 | 562.2 | 568.2 | 571.5 |
| 132.5° | 587.4 | 590.4 | 586.6 | 592.1 | 595.4 |
| 135°   | 623.9 | 627.1 | 621.9 | 626.6 | 630.5 |
| 137.5° | 656.4 | 660.2 | 654.0 | 659.5 | 662.8 |
| 140°   | 677.6 | 681.5 | 673.6 | 679.6 | 683.5 |
| 142.5° | 697.2 | 702.1 | 692.7 | 698.2 | 702.6 |
| 145°   | 726.0 | 730.5 | 721.3 | 726.1 | 729.9 |
| 147.5° | 753.3 | 757.2 | 748.4 | 751.8 | 754.5 |
| 150°   | 769.7 | 773.6 | 763.8 | 767.1 | 770.4 |
| 152.5° | 783.0 | 788.4 | 778.6 | 781.0 | 785.8 |
| 155°   | 804.2 | 810.7 | 799.6 | 801.7 | 806.8 |
| 157.5° | 823.7 | 829.5 | 818.4 | 820.2 | 824.8 |
| 160°   | 835.4 | 841.2 | 830.1 | 830.8 | 835.4 |
| 162.5° | 844.4 | 849.7 | 840.1 | 838.8 | 844.4 |
| 165°   | 857.2 | 861.8 | 852.6 | 850.1 | 855.9 |
| 167.5° | 868.0 | 873.2 | 861.9 | 859.8 | 866.4 |
| 170°   | 873.8 | 879.0 | 867.2 | 864.0 | 871.2 |
| 172.5° | 877.5 | 882.2 | 870.9 | 866.6 | 872.2 |
| 175°   | 881.8 | 886.3 | 874.5 | 869.9 | 872.5 |
| 177.5° | 883.0 | 886.6 | 877.1 | 873.0 | 879.2 |
| 180°   | 879.8 | 879.8 | 879.8 | 879.8 | 879.8 |



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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 | 20.16            | 21.32 | 20.83 | 22.01 | 22.82 | 19.08          | 20.25 | 19.75 | 20.94 | 21.74 |
|                 | 3H   | 21.85            | 22.89 | 22.53 | 23.59 | 24.43 | 20.52          | 21.56 | 21.20 | 22.26 | 23.10 |
|                 | 4H   | 22.49            | 23.48 | 23.20 | 24.19 | 25.04 | 21.05          | 22.03 | 21.75 | 22.74 | 23.60 |
|                 | 6H   | 22.89            | 23.80 | 23.61 | 24.52 | 25.39 | 21.38          | 22.29 | 22.10 | 23.01 | 23.88 |
|                 | 8H   | 23.04            | 23.91 | 23.77 | 24.65 | 25.51 | 21.51          | 22.38 | 22.24 | 23.12 | 23.99 |
|                 | 12H  | 23.11            | 23.94 | 23.85 | 24.68 | 25.57 | 21.60          | 22.43 | 22.33 | 23.16 | 24.05 |
| 4H              | 2H   | 20.60            | 21.59 | 21.31 | 22.30 | 23.15 | 19.74          | 20.73 | 20.45 | 21.44 | 22.29 |
|                 | 3H   | 22.52            | 23.34 | 23.24 | 24.09 | 24.96 | 21.39          | 22.21 | 22.11 | 22.96 | 23.83 |
|                 | 4H   | 23.28            | 24.03 | 24.02 | 24.78 | 25.68 | 22.01          | 22.76 | 22.75 | 23.50 | 24.40 |
|                 | 6H   | 23.80            | 24.45 | 24.56 | 25.22 | 26.13 | 22.44          | 23.08 | 23.19 | 23.86 | 24.77 |
|                 | 8H   | 24.00            | 24.60 | 24.76 | 25.37 | 26.29 | 22.61          | 23.22 | 23.38 | 23.99 | 24.91 |
|                 | 12H  | 24.11            | 24.65 | 24.89 | 25.45 | 26.37 | 22.73          | 23.28 | 23.52 | 24.07 | 25.00 |
| 8H              | 4H   | 23.43            | 24.04 | 24.19 | 24.81 | 25.73 | 22.29          | 22.90 | 23.06 | 23.67 | 24.59 |
|                 | 6H   | 24.06            | 24.56 | 24.86 | 25.38 | 26.30 | 22.83          | 23.33 | 23.63 | 24.15 | 25.07 |
|                 | 8H   | 24.34            | 24.79 | 25.15 | 25.60 | 26.54 | 23.09          | 23.53 | 23.89 | 24.35 | 25.28 |
|                 | 12H  | 24.52            | 24.91 | 25.32 | 25.72 | 26.71 | 23.28          | 23.67 | 24.08 | 24.47 | 25.47 |
| 12H             | 4H   | 23.42            | 23.96 | 24.20 | 24.76 | 25.68 | 22.31          | 22.85 | 23.09 | 23.65 | 24.57 |
|                 | 6H   | 24.08            | 24.53 | 24.89 | 25.34 | 26.28 | 22.89          | 23.34 | 23.70 | 24.15 | 25.09 |
|                 | 8H   | 24.40            | 24.79 | 25.20 | 25.59 | 26.59 | 23.19          | 23.58 | 23.99 | 24.38 | 25.38 |