

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: P1438863

Luminaire Tested: CB2-B-030U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438863  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-B-030U-055D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

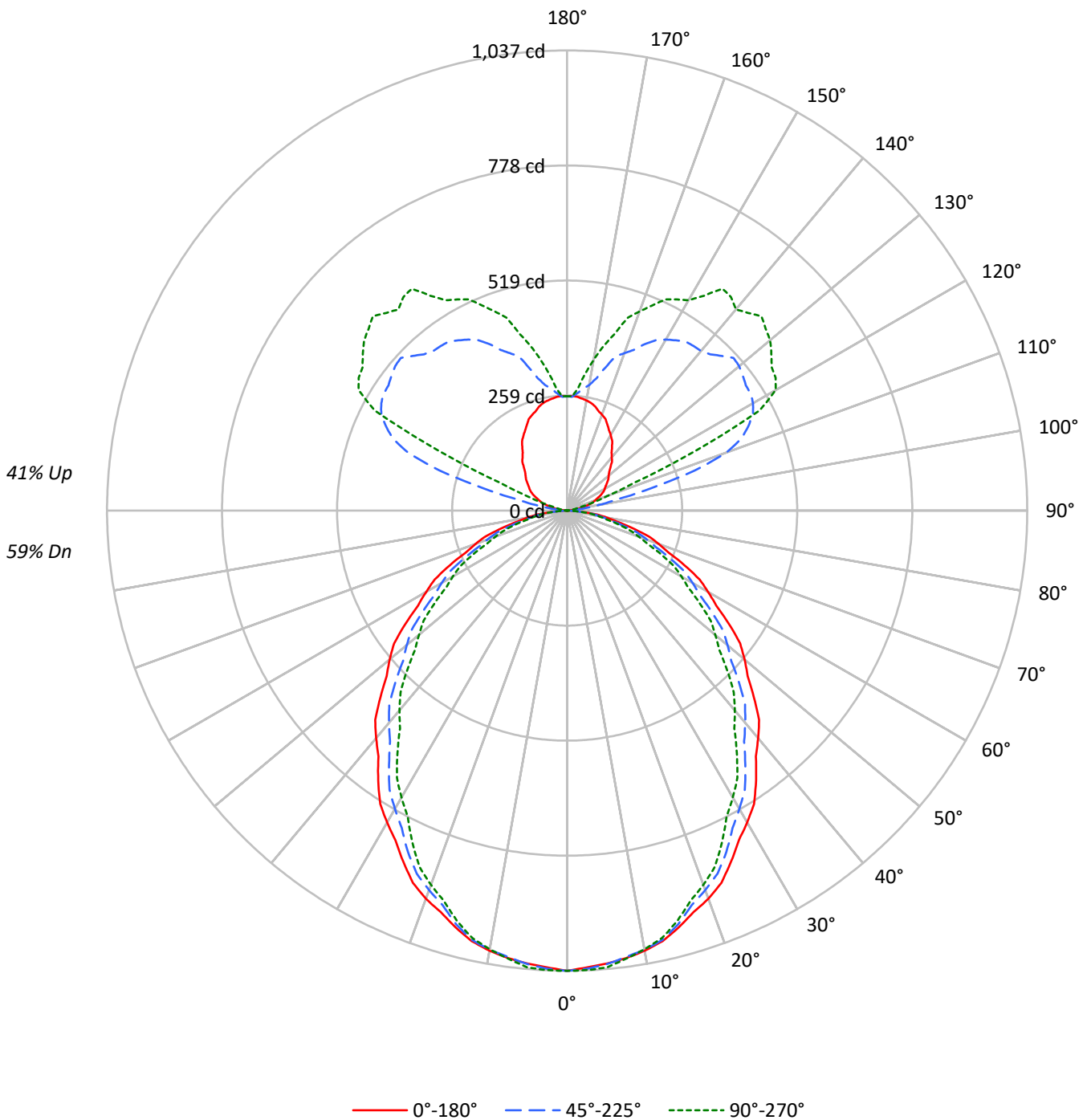
Lumens per Lamp: N/A  
Luminaire Lumens: 4110.6 lumens  
Efficiency: N/A  
Efficacy: 153.4 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 26.8  
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   | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 76 | 76 | 76 | 64 | 64 | 64 | 59 |
| 1   | 100 | 96  | 92  | 88  | 93  | 89  | 86  | 83  | 78 | 75 | 73 | 67 | 65 | 64 | 57 | 56 | 55 | 50 |
| 2   | 91  | 84  | 78  | 73  | 85  | 78  | 73  | 69  | 68 | 64 | 61 | 59 | 56 | 53 | 51 | 48 | 46 | 42 |
| 3   | 83  | 74  | 67  | 61  | 78  | 69  | 63  | 58  | 61 | 56 | 51 | 52 | 49 | 45 | 45 | 42 | 40 | 36 |
| 4   | 76  | 66  | 58  | 52  | 71  | 62  | 54  | 49  | 54 | 48 | 44 | 47 | 43 | 39 | 40 | 37 | 34 | 31 |
| 5   | 70  | 59  | 50  | 44  | 65  | 55  | 48  | 42  | 48 | 43 | 38 | 42 | 38 | 34 | 36 | 33 | 30 | 27 |
| 6   | 65  | 53  | 45  | 39  | 60  | 50  | 42  | 37  | 44 | 38 | 33 | 38 | 34 | 30 | 33 | 30 | 27 | 24 |
| 7   | 60  | 48  | 40  | 34  | 56  | 45  | 38  | 33  | 40 | 34 | 30 | 35 | 30 | 27 | 30 | 27 | 24 | 21 |
| 8   | 56  | 43  | 36  | 30  | 52  | 41  | 34  | 29  | 36 | 31 | 26 | 32 | 27 | 24 | 28 | 24 | 21 | 19 |
| 9   | 52  | 40  | 32  | 27  | 49  | 38  | 31  | 26  | 33 | 28 | 24 | 30 | 25 | 22 | 26 | 22 | 19 | 17 |
| 10  | 49  | 37  | 29  | 24  | 46  | 35  | 28  | 23  | 31 | 25 | 22 | 27 | 23 | 20 | 24 | 20 | 18 | 16 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 18065 | 18065 | 18065 |
| 5°  | 17912 | 17940 | 18064 |
| 10° | 17810 | 17767 | 17753 |
| 15° | 17529 | 17413 | 17271 |
| 20° | 17253 | 16869 | 16633 |
| 25° | 16789 | 16316 | 15857 |
| 30° | 16323 | 15605 | 15013 |
| 35° | 15788 | 14877 | 14167 |
| 40° | 15222 | 14192 | 13362 |
| 45° | 14651 | 13479 | 12577 |
| 50° | 14139 | 12781 | 11814 |
| 55° | 13504 | 12058 | 11093 |
| 60° | 12781 | 11370 | 10374 |
| 65° | 12014 | 10604 | 9656  |
| 70° | 11163 | 9747  | 8734  |
| 75° | 10155 | 8816  | 7907  |
| 80° | 9077  | 7723  | 7172  |
| 85° | 6974  | 6355  | 5236  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14651 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 97.5   | 2.4       |
| 10°-20°   | 271.9  | 6.6       |
| 20°-30°   | 390.9  | 9.5       |
| 30°-40°   | 439.4  | 10.7      |
| 40°-50°   | 424.5  | 10.3      |
| 50°-60°   | 358.6  | 8.7       |
| 60°-70°   | 257.6  | 6.3       |
| 70°-80°   | 140.8  | 3.4       |
| 80°-90°   | 37.4   | 0.9       |
| 90°-100°  | 19.3   | 0.5       |
| 100°-110° | 119.5  | 2.9       |
| 110°-120° | 301.3  | 7.3       |
| 120°-130° | 362.2  | 8.8       |
| 130°-140° | 328.4  | 8.0       |
| 140°-150° | 261.9  | 6.4       |
| 150°-160° | 178.6  | 4.3       |
| 160°-170° | 94.5   | 2.3       |
| 170°-180° | 26.3   | 0.6       |
| 0°-30°    | 760.3  | 18.5      |
| 0°-40°    | 1199.7 | 29.2      |
| 0°-60°    | 1982.8 | 48.2      |
| 0°-90°    | 2418.6 | 58.8      |
| 90°-120°  | 440.1  | 10.7      |
| 90°-150°  | 1392.6 | 33.9      |
| 90°-180°  | 1692.0 | 41.2      |
| 0°-180°   | 4110.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1037 | 1037  | 1037 | 1037  | 1037 |      |
| 5°   | 1024 | 1038  | 1026 | 1026  | 1033 | 97   |
| 15°  | 972  | 981   | 966  | 956   | 958  | 274  |
| 25°  | 874  | 874   | 849  | 830   | 825  | 402  |
| 35°  | 742  | 734   | 700  | 672   | 666  | 464  |
| 45°  | 595  | 582   | 547  | 518   | 511  | 460  |
| 55°  | 445  | 428   | 397  | 372   | 365  | 398  |
| 65°  | 292  | 281   | 257  | 239   | 234  | 289  |
| 75°  | 151  | 142   | 131  | 121   | 118  | 161  |
| 85°  | 35   | 33    | 32   | 28    | 26   | 42   |
| 90°  | 0    | 0     | 0    | 0     | 0    | 2    |
| 95°  | 10   | 25    | 8    | 6     | 6    | 13   |
| 105° | 49   | 137   | 198  | 50    | 33   | 51   |
| 115° | 84   | 186   | 451  | 420   | 320  | 83   |
| 125° | 110  | 226   | 492  | 560   | 563  | 98   |
| 135° | 138  | 250   | 493  | 577   | 619  | 107  |
| 145° | 176  | 263   | 465  | 560   | 610  | 110  |
| 155° | 214  | 268   | 414  | 499   | 525  | 99   |
| 165° | 243  | 266   | 334  | 393   | 412  | 68   |
| 175° | 258  | 261   | 265  | 270   | 275  | 24   |
| 180° | 258  | 258   | 258  | 258   | 258  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1037.2 | 1037.2 | 1037.2 | 1037.2 | 1037.2 |
| 2.5°   | 1030.2 | 1042.6 | 1033.4 | 1034.7 | 1036.5 |
| 5°     | 1024.5 | 1038.4 | 1026.1 | 1026.2 | 1033.2 |
| 7.5°   | 1017.2 | 1030.4 | 1014.8 | 1011.9 | 1018.4 |
| 10°    | 1007.0 | 1020.2 | 1004.6 | 999.2  | 1003.8 |
| 12.5°  | 993.7  | 1006.2 | 991.3  | 982.6  | 986.7  |
| 15°    | 972.1  | 980.6  | 965.7  | 956.2  | 957.8  |
| 17.5°  | 948.5  | 953.8  | 932.3  | 924.4  | 922.8  |
| 20°    | 930.8  | 935.4  | 910.1  | 899.0  | 897.4  |
| 22.5°  | 907.9  | 911.9  | 885.3  | 871.6  | 869.4  |
| 25°    | 873.6  | 874.4  | 849.0  | 829.8  | 825.1  |
| 27.5°  | 837.7  | 835.2  | 807.0  | 784.3  | 778.3  |
| 30°    | 811.6  | 808.5  | 775.9  | 751.9  | 746.5  |
| 32.5°  | 783.7  | 778.1  | 745.4  | 719.5  | 714.1  |
| 35°    | 742.5  | 734.0  | 699.7  | 672.5  | 666.3  |
| 37.5°  | 698.7  | 689.1  | 655.3  | 625.8  | 618.8  |
| 40°    | 669.5  | 658.6  | 624.2  | 594.7  | 587.7  |
| 42.5°  | 640.3  | 628.1  | 593.1  | 563.5  | 555.9  |
| 45°    | 594.8  | 582.4  | 547.2  | 518.4  | 510.6  |
| 47.5°  | 551.6  | 535.8  | 501.6  | 473.0  | 465.2  |
| 50°    | 521.8  | 504.7  | 471.7  | 443.8  | 436.0  |
| 52.5°  | 491.3  | 473.6  | 441.9  | 415.2  | 407.4  |
| 55°    | 444.7  | 428.4  | 397.1  | 372.3  | 365.3  |
| 57.5°  | 398.7  | 383.0  | 354.4  | 330.7  | 323.9  |
| 60°    | 366.9  | 353.7  | 326.4  | 304.0  | 297.8  |
| 62.5°  | 336.4  | 324.4  | 298.4  | 278.0  | 271.8  |
| 65°    | 291.5  | 280.6  | 257.3  | 238.9  | 234.3  |
| 67.5°  | 247.8  | 236.9  | 218.1  | 201.6  | 196.3  |
| 70°    | 219.2  | 208.3  | 191.4  | 176.2  | 171.5  |
| 72.5°  | 191.9  | 180.4  | 166.6  | 152.7  | 149.3  |
| 75°    | 150.9  | 141.6  | 131.0  | 120.6  | 117.5  |
| 77.5°  | 114.7  | 105.7  | 98.0   | 90.7   | 89.9   |
| 80°    | 90.5   | 82.8   | 77.0   | 72.3   | 71.5   |
| 82.5°  | 67.7   | 61.8   | 58.0   | 54.5   | 54.3   |
| 85°    | 34.9   | 32.6   | 31.8   | 27.8   | 26.2   |
| 87.5°  | 10.2   | 10.2   | 8.9    | 7.6    | 7.6    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 2.7    | 4.4    | 1.8    | 1.8    | 1.8    |
| 95°    | 10.0   | 25.2   | 7.8    | 5.5    | 5.5    |
| 97.5°  | 20.9   | 60.4   | 42.0   | 11.3   | 9.8    |
| 100°   | 28.9   | 87.5   | 72.1   | 16.6   | 13.3   |
| 102.5° | 36.8   | 111.1  | 113.9  | 26.3   | 20.4   |
| 105°   | 48.8   | 136.7  | 197.6  | 49.6   | 33.3   |
| 107.5° | 60.6   | 153.5  | 302.8  | 102.3  | 61.7   |
| 110°   | 67.7   | 163.2  | 381.8  | 159.5  | 95.5   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 74.8  | 172.9 | 425.3 | 255.6 | 164.7 |
| 115°   | 84.4  | 186.4 | 450.6 | 419.5 | 319.6 |
| 117.5° | 92.3  | 198.7 | 472.4 | 518.8 | 489.5 |
| 120°   | 97.7  | 208.4 | 483.9 | 533.0 | 542.7 |
| 122.5° | 103.0 | 215.4 | 490.1 | 538.5 | 556.9 |
| 125°   | 109.9 | 226.0 | 491.7 | 559.5 | 562.7 |
| 127.5° | 116.8 | 234.0 | 499.0 | 578.7 | 580.2 |
| 130°   | 122.1 | 239.3 | 506.1 | 585.2 | 597.1 |
| 132.5° | 128.3 | 243.8 | 508.8 | 588.9 | 606.9 |
| 135°   | 137.6 | 250.5 | 492.8 | 577.0 | 619.3 |
| 137.5° | 149.4 | 255.3 | 477.5 | 576.7 | 604.0 |
| 140°   | 156.5 | 256.3 | 469.5 | 589.4 | 591.6 |
| 142.5° | 164.5 | 259.1 | 467.7 | 588.0 | 606.7 |
| 145°   | 176.5 | 263.3 | 465.0 | 560.5 | 610.4 |
| 147.5° | 188.5 | 265.9 | 454.8 | 530.2 | 573.8 |
| 150°   | 196.4 | 267.0 | 445.1 | 520.0 | 547.2 |
| 152.5° | 204.4 | 268.0 | 432.6 | 513.7 | 536.5 |
| 155°   | 214.2 | 268.5 | 414.0 | 498.9 | 525.0 |
| 157.5° | 224.4 | 267.2 | 391.6 | 471.9 | 500.3 |
| 160°   | 229.7 | 265.6 | 377.4 | 452.3 | 477.3 |
| 162.5° | 235.1 | 264.8 | 364.9 | 426.6 | 455.9 |
| 165°   | 243.1 | 265.9 | 334.1 | 393.3 | 411.8 |
| 167.5° | 248.4 | 264.9 | 305.2 | 353.8 | 379.8 |
| 170°   | 251.9 | 265.0 | 287.5 | 323.5 | 345.2 |
| 172.5° | 254.6 | 260.7 | 276.8 | 295.8 | 310.5 |
| 175°   | 257.5 | 260.7 | 265.3 | 269.8 | 275.3 |
| 177.5° | 258.4 | 260.1 | 256.6 | 255.8 | 257.5 |
| 180°   | 257.5 | 257.5 | 257.5 | 257.5 | 257.5 |



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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 | 17.84            | 18.77 | 18.72 | 19.67 | 20.81 | 16.74          | 17.67 | 17.62 | 18.57 | 19.71 |
|                 | 3H   | 19.49            | 20.32 | 20.38 | 21.23 | 22.40 | 18.27          | 19.11 | 19.16 | 20.01 | 21.18 |
|                 | 4H   | 20.12            | 20.91 | 21.03 | 21.82 | 23.00 | 18.85          | 19.64 | 19.75 | 20.55 | 21.73 |
|                 | 6H   | 20.52            | 21.25 | 21.44 | 22.17 | 23.36 | 19.22          | 19.95 | 20.14 | 20.87 | 22.06 |
|                 | 8H   | 20.68            | 21.37 | 21.60 | 22.31 | 23.49 | 19.36          | 20.06 | 20.29 | 20.99 | 22.18 |
|                 | 12H  | 20.75            | 21.41 | 21.68 | 22.34 | 23.56 | 19.43          | 20.09 | 20.36 | 21.02 | 22.23 |
| 4H              | 2H   | 18.25            | 19.04 | 19.17 | 19.96 | 21.13 | 17.38          | 18.17 | 18.29 | 19.08 | 20.26 |
|                 | 3H   | 20.13            | 20.79 | 21.05 | 21.73 | 22.92 | 19.12          | 19.78 | 20.04 | 20.72 | 21.91 |
|                 | 4H   | 20.88            | 21.48 | 21.81 | 22.42 | 23.64 | 19.80          | 20.40 | 20.73 | 21.34 | 22.55 |
|                 | 6H   | 21.40            | 21.92 | 22.35 | 22.88 | 24.10 | 20.28          | 20.79 | 21.22 | 21.76 | 22.97 |
|                 | 8H   | 21.61            | 22.09 | 22.56 | 23.05 | 24.28 | 20.47          | 20.95 | 21.42 | 21.91 | 23.14 |
|                 | 12H  | 21.72            | 22.15 | 22.69 | 23.13 | 24.36 | 20.56          | 21.00 | 21.53 | 21.97 | 23.21 |
| 8H              | 4H   | 21.04            | 21.52 | 21.99 | 22.48 | 23.71 | 20.08          | 20.56 | 21.03 | 21.52 | 22.75 |
|                 | 6H   | 21.69            | 22.09 | 22.66 | 23.09 | 24.31 | 20.68          | 21.08 | 21.66 | 22.08 | 23.31 |
|                 | 8H   | 21.98            | 22.33 | 22.96 | 23.32 | 24.57 | 20.96          | 21.31 | 21.94 | 22.30 | 23.55 |
|                 | 12H  | 22.15            | 22.47 | 23.14 | 23.45 | 24.74 | 21.11          | 21.42 | 22.10 | 22.41 | 23.70 |
| 12H             | 4H   | 21.02            | 21.46 | 21.99 | 22.44 | 23.67 | 20.08          | 20.52 | 21.05 | 21.49 | 22.73 |
|                 | 6H   | 21.71            | 22.07 | 22.70 | 23.06 | 24.30 | 20.75          | 21.10 | 21.73 | 22.09 | 23.34 |
|                 | 8H   | 22.04            | 22.35 | 23.02 | 23.33 | 24.62 | 21.06          | 21.37 | 22.04 | 22.35 | 23.64 |