

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: P1438596

Luminaire Tested: CB2-030U-030D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438596  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-030U-030D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

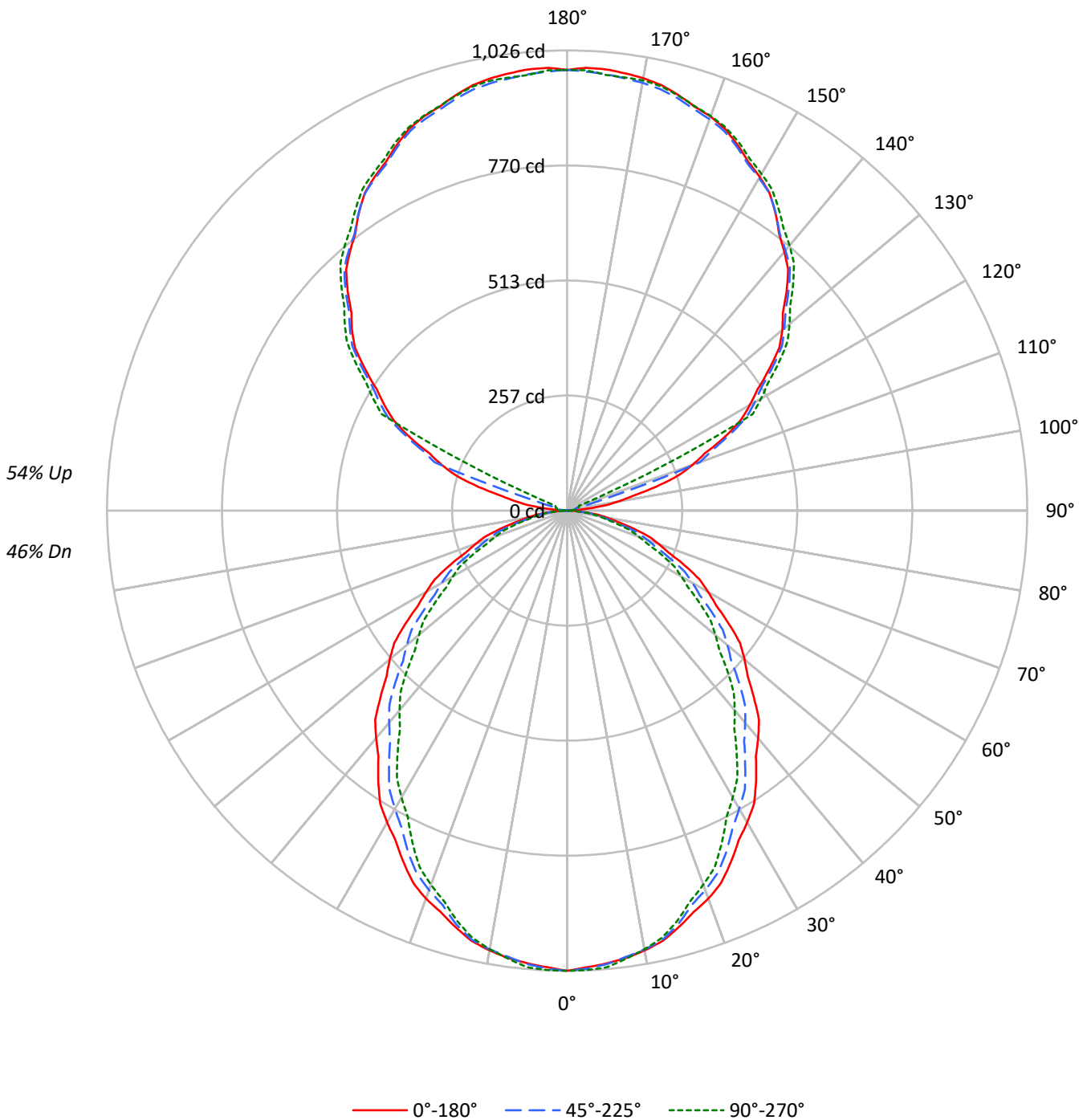
Lumens per Lamp: N/A  
Luminaire Lumens: 5194.0 lumens  
Efficiency: N/A  
Efficacy: 141.5 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 36.7  
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 | 50 | 30 | 10 | 0  |   |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| 0   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 81 | 81 | 81 | 66 | 66 | 66 | 53 | 53 | 53 | 46 |    |    |    |   |
| 1   | 97  | 93  | 89  | 86  | 89 | 85 | 82 | 79 | 71 | 69 | 67 | 59 | 57 | 55 | 47 | 46 | 45 | 39 |    |    |    |   |
| 2   | 89  | 81  | 75  | 70  | 81 | 75 | 70 | 65 | 63 | 59 | 56 | 52 | 49 | 47 | 41 | 39 | 38 | 33 |    |    |    |   |
| 3   | 81  | 72  | 64  | 59  | 74 | 66 | 60 | 55 | 55 | 51 | 47 | 46 | 42 | 40 | 37 | 34 | 32 | 28 |    |    |    |   |
| 4   | 74  | 63  | 56  | 50  | 68 | 59 | 52 | 46 | 49 | 44 | 40 | 41 | 37 | 34 | 33 | 30 | 28 | 24 |    |    |    |   |
| 5   | 68  | 57  | 49  | 43  | 62 | 52 | 45 | 40 | 44 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 | 21 |    |    |    |   |
| 6   | 63  | 51  | 43  | 37  | 57 | 47 | 40 | 35 | 40 | 34 | 30 | 33 | 29 | 26 | 27 | 24 | 22 | 19 |    |    |    |   |
| 7   | 58  | 46  | 38  | 33  | 53 | 43 | 36 | 31 | 36 | 31 | 27 | 30 | 26 | 23 | 25 | 22 | 19 | 17 |    |    |    |   |
| 8   | 54  | 42  | 34  | 29  | 49 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 20 | 17 | 15 |    |    |    |   |
| 9   | 50  | 38  | 31  | 26  | 46 | 35 | 29 | 24 | 30 | 25 | 21 | 26 | 21 | 19 | 21 | 18 | 16 | 14 |    |    |    |   |
| 10  | 47  | 35  | 28  | 23  | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 14 | 12 |    |    |    |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 8935 | 8935 | 8935 |
| 5°  | 8859 | 8873 | 8935 |
| 10° | 8809 | 8788 | 8781 |
| 15° | 8670 | 8613 | 8542 |
| 20° | 8533 | 8344 | 8227 |
| 25° | 8304 | 8070 | 7843 |
| 30° | 8074 | 7718 | 7426 |
| 35° | 7809 | 7358 | 7007 |
| 40° | 7529 | 7020 | 6608 |
| 45° | 7247 | 6667 | 6221 |
| 50° | 6992 | 6322 | 5843 |
| 55° | 6679 | 5964 | 5487 |
| 60° | 6321 | 5624 | 5131 |
| 65° | 5941 | 5244 | 4777 |
| 70° | 5520 | 4820 | 4321 |
| 75° | 5024 | 4361 | 3913 |
| 80° | 4494 | 3822 | 3546 |
| 85° | 3457 | 3138 | 2588 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7247 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 96.5   | 1.9       |
| 10°-20°   | 268.9  | 5.2       |
| 20°-30°   | 386.7  | 7.4       |
| 30°-40°   | 434.7  | 8.4       |
| 40°-50°   | 419.9  | 8.1       |
| 50°-60°   | 354.8  | 6.8       |
| 60°-70°   | 254.8  | 4.9       |
| 70°-80°   | 139.3  | 2.7       |
| 80°-90°   | 37.0   | 0.7       |
| 90°-100°  | 17.1   | 0.3       |
| 100°-110° | 109.0  | 2.1       |
| 110°-120° | 346.2  | 6.7       |
| 120°-130° | 502.4  | 9.7       |
| 130°-140° | 540.4  | 10.4      |
| 140°-150° | 508.8  | 9.8       |
| 150°-160° | 414.5  | 8.0       |
| 160°-170° | 269.8  | 5.2       |
| 170°-180° | 93.3   | 1.8       |
| 0°-30°    | 752.1  | 14.5      |
| 0°-40°    | 1186.8 | 22.8      |
| 0°-60°    | 1961.4 | 37.8      |
| 0°-90°    | 2392.6 | 46.1      |
| 90°-120°  | 472.3  | 9.1       |
| 90°-150°  | 2023.9 | 39.0      |
| 90°-180°  | 2801.0 | 53.9      |
| 0°-180°   | 5194.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1026 | 1026  | 1026 | 1026  | 1026 |      |
| 5°   | 1013 | 1027  | 1015 | 1015  | 1022 | 96   |
| 15°  | 962  | 970   | 955  | 946   | 947  | 271  |
| 25°  | 864  | 865   | 840  | 821   | 816  | 398  |
| 35°  | 734  | 726   | 692  | 665   | 659  | 459  |
| 45°  | 588  | 576   | 541  | 513   | 505  | 455  |
| 55°  | 440  | 424   | 393  | 368   | 361  | 393  |
| 65°  | 288  | 278   | 254  | 236   | 232  | 286  |
| 75°  | 149  | 140   | 130  | 119   | 116  | 160  |
| 85°  | 35   | 32    | 31   | 28    | 26   | 41   |
| 90°  | 0    | 0     | 0    | 1     | 1    | 3    |
| 95°  | 39   | 11    | 12   | 8     | 7    | 49   |
| 105° | 205  | 212   | 21   | 25    | 26   | 216  |
| 115° | 387  | 396   | 399  | 404   | 232  | 381  |
| 125° | 550  | 560   | 560  | 569   | 577  | 492  |
| 135° | 692  | 700   | 699  | 704   | 712  | 534  |
| 145° | 810  | 816   | 811  | 812   | 822  | 506  |
| 155° | 899  | 905   | 895  | 893   | 906  | 415  |
| 165° | 959  | 962   | 952  | 948   | 958  | 271  |
| 175° | 988  | 990   | 977  | 970   | 975  | 94   |
| 180° | 982  | 982   | 982  | 982   | 982  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1026.0 | 1026.0 | 1026.0 | 1026.0 | 1026.0 |
| 2.5°   | 1019.1 | 1031.4 | 1022.2 | 1023.5 | 1025.4 |
| 5°     | 1013.4 | 1027.3 | 1015.0 | 1015.2 | 1022.1 |
| 7.5°   | 1006.2 | 1019.3 | 1003.8 | 1001.0 | 1007.5 |
| 10°    | 996.1  | 1009.2 | 993.8  | 988.4  | 993.0  |
| 12.5°  | 982.9  | 995.4  | 980.6  | 972.0  | 976.0  |
| 15°    | 961.6  | 970.0  | 955.3  | 945.9  | 947.4  |
| 17.5°  | 938.3  | 943.5  | 922.3  | 914.4  | 912.9  |
| 20°    | 920.7  | 925.3  | 900.3  | 889.3  | 887.7  |
| 22.5°  | 898.1  | 902.1  | 875.8  | 862.2  | 860.1  |
| 25°    | 864.2  | 864.9  | 839.8  | 820.8  | 816.2  |
| 27.5°  | 828.7  | 826.2  | 798.3  | 775.9  | 769.9  |
| 30°    | 802.9  | 799.8  | 767.5  | 743.8  | 738.5  |
| 32.5°  | 775.2  | 769.7  | 737.4  | 711.8  | 706.4  |
| 35°    | 734.5  | 726.1  | 692.1  | 665.3  | 659.1  |
| 37.5°  | 691.2  | 681.6  | 648.3  | 619.1  | 612.1  |
| 40°    | 662.3  | 651.5  | 617.5  | 588.3  | 581.3  |
| 42.5°  | 633.4  | 621.4  | 586.7  | 557.4  | 549.9  |
| 45°    | 588.4  | 576.1  | 541.3  | 512.8  | 505.1  |
| 47.5°  | 545.7  | 530.0  | 496.2  | 467.9  | 460.2  |
| 50°    | 516.1  | 499.2  | 466.6  | 439.0  | 431.3  |
| 52.5°  | 486.0  | 468.5  | 437.1  | 410.7  | 403.0  |
| 55°    | 439.9  | 423.8  | 392.8  | 368.3  | 361.4  |
| 57.5°  | 394.4  | 378.9  | 350.5  | 327.1  | 320.4  |
| 60°    | 362.9  | 349.9  | 322.9  | 300.7  | 294.6  |
| 62.5°  | 332.8  | 321.0  | 295.2  | 275.0  | 268.8  |
| 65°    | 288.3  | 277.6  | 254.5  | 236.4  | 231.8  |
| 67.5°  | 245.1  | 234.4  | 215.7  | 199.4  | 194.2  |
| 70°    | 216.8  | 206.1  | 189.3  | 174.3  | 169.7  |
| 72.5°  | 189.8  | 178.4  | 164.8  | 151.1  | 147.7  |
| 75°    | 149.3  | 140.0  | 129.6  | 119.3  | 116.3  |
| 77.5°  | 113.4  | 104.5  | 96.9   | 89.7   | 88.9   |
| 80°    | 89.6   | 81.9   | 76.2   | 71.5   | 70.7   |
| 82.5°  | 66.9   | 61.1   | 57.3   | 53.9   | 53.7   |
| 85°    | 34.6   | 32.3   | 31.4   | 27.5   | 25.9   |
| 87.5°  | 10.1   | 10.1   | 8.8    | 7.7    | 7.7    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.7    | 0.7    |
| 92.5°  | 10.8   | 4.1    | 2.8    | 4.1    | 4.1    |
| 95°    | 39.1   | 11.3   | 12.1   | 7.8    | 7.1    |
| 97.5°  | 81.1   | 18.2   | 17.5   | 19.2   | 19.9   |
| 100°   | 113.0  | 37.2   | 19.2   | 22.0   | 22.7   |
| 102.5° | 148.2  | 140.3  | 19.7   | 23.8   | 25.0   |
| 105°   | 204.6  | 212.2  | 21.3   | 24.9   | 26.3   |
| 107.5° | 260.0  | 267.6  | 99.2   | 25.7   | 27.1   |
| 110°   | 296.9  | 304.6  | 314.0  | 26.3   | 27.7   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 331.6 | 340.9 | 348.1 | 58.6  | 28.8  |
| 115°   | 387.2 | 395.5 | 399.2 | 403.9 | 231.6 |
| 117.5° | 436.2 | 446.5 | 450.7 | 458.7 | 466.4 |
| 120°   | 470.3 | 480.0 | 483.1 | 491.1 | 499.4 |
| 122.5° | 503.8 | 512.4 | 514.3 | 523.5 | 531.2 |
| 125°   | 549.9 | 559.6 | 559.8 | 569.2 | 576.8 |
| 127.5° | 595.9 | 604.2 | 603.8 | 610.9 | 619.3 |
| 130°   | 626.6 | 632.1 | 632.3 | 638.1 | 647.2 |
| 132.5° | 652.1 | 659.9 | 660.1 | 664.9 | 673.9 |
| 135°   | 691.9 | 700.3 | 699.0 | 703.5 | 712.5 |
| 137.5° | 729.3 | 737.4 | 735.1 | 738.9 | 748.2 |
| 140°   | 753.7 | 760.7 | 757.3 | 761.1 | 771.5 |
| 142.5° | 776.5 | 783.4 | 778.3 | 781.5 | 792.5 |
| 145°   | 809.9 | 816.1 | 810.6 | 811.5 | 821.9 |
| 147.5° | 839.6 | 845.7 | 839.0 | 839.9 | 849.6 |
| 150°   | 858.9 | 864.4 | 856.0 | 857.0 | 866.7 |
| 152.5° | 875.9 | 880.9 | 871.9 | 871.8 | 883.2 |
| 155°   | 899.4 | 904.9 | 895.1 | 893.3 | 905.8 |
| 157.5° | 920.7 | 925.8 | 916.0 | 914.6 | 924.4 |
| 160°   | 934.9 | 938.4 | 928.5 | 926.6 | 936.3 |
| 162.5° | 944.5 | 948.6 | 938.7 | 935.7 | 945.4 |
| 165°   | 959.0 | 961.8 | 951.9 | 947.9 | 957.6 |
| 167.5° | 971.5 | 974.7 | 962.0 | 958.4 | 968.8 |
| 170°   | 978.9 | 981.0 | 968.3 | 963.5 | 974.0 |
| 172.5° | 983.5 | 985.0 | 972.3 | 966.9 | 974.0 |
| 175°   | 987.5 | 989.5 | 976.8 | 970.5 | 975.4 |
| 177.5° | 988.2 | 989.3 | 979.6 | 974.1 | 982.5 |
| 180°   | 982.5 | 982.5 | 982.5 | 982.5 | 982.5 |



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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 | 14.23            | 15.05 | 15.23 | 16.05 | 17.38 | 13.13          | 13.95 | 14.13 | 14.95 | 16.28 |
|                 | 3H   | 15.88            | 16.61 | 16.88 | 17.62 | 18.97 | 14.66          | 15.39 | 15.66 | 16.40 | 17.75 |
|                 | 4H   | 16.50            | 17.19 | 17.52 | 18.21 | 19.57 | 15.23          | 15.92 | 16.24 | 16.94 | 18.29 |
|                 | 6H   | 16.90            | 17.54 | 17.93 | 18.56 | 19.93 | 15.60          | 16.24 | 16.62 | 17.26 | 18.62 |
|                 | 8H   | 17.05            | 17.66 | 18.08 | 18.69 | 20.06 | 15.74          | 16.34 | 16.77 | 17.38 | 18.74 |
|                 | 12H  | 17.12            | 17.70 | 18.16 | 18.73 | 20.12 | 15.80          | 16.37 | 16.83 | 17.40 | 18.79 |
| 4H              | 2H   | 14.64            | 15.33 | 15.66 | 16.34 | 17.70 | 13.76          | 14.45 | 14.78 | 15.47 | 16.83 |
|                 | 3H   | 16.50            | 17.08 | 17.53 | 18.12 | 19.49 | 15.49          | 16.07 | 16.52 | 17.11 | 18.48 |
|                 | 4H   | 17.25            | 17.77 | 18.28 | 18.81 | 20.20 | 16.16          | 16.69 | 17.20 | 17.73 | 19.12 |
|                 | 6H   | 17.76            | 18.22 | 18.81 | 19.28 | 20.66 | 16.64          | 17.09 | 17.69 | 18.15 | 19.54 |
|                 | 8H   | 17.97            | 18.39 | 19.02 | 19.44 | 20.85 | 16.83          | 17.25 | 17.88 | 18.30 | 19.70 |
|                 | 12H  | 18.07            | 18.45 | 19.14 | 19.52 | 20.93 | 16.91          | 17.30 | 17.98 | 18.36 | 19.77 |
| 8H              | 4H   | 17.40            | 17.82 | 18.45 | 18.87 | 20.28 | 16.43          | 16.86 | 17.48 | 17.91 | 19.31 |
|                 | 6H   | 18.04            | 18.39 | 19.11 | 19.48 | 20.88 | 17.04          | 17.39 | 18.11 | 18.48 | 19.88 |
|                 | 8H   | 18.33            | 18.64 | 19.41 | 19.71 | 21.13 | 17.31          | 17.62 | 18.39 | 18.70 | 20.12 |
|                 | 12H  | 18.50            | 18.77 | 19.59 | 19.84 | 21.31 | 17.46          | 17.73 | 18.54 | 18.80 | 20.26 |
| 12H             | 4H   | 17.38            | 17.76 | 18.44 | 18.83 | 20.23 | 16.44          | 16.82 | 17.50 | 17.89 | 19.29 |
|                 | 6H   | 18.07            | 18.38 | 19.15 | 19.45 | 20.87 | 17.10          | 17.41 | 18.18 | 18.49 | 19.90 |
|                 | 8H   | 18.38            | 18.65 | 19.47 | 19.73 | 21.19 | 17.40          | 17.67 | 18.49 | 18.75 | 20.21 |