

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: P1439394

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439394  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-B-030U-120D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

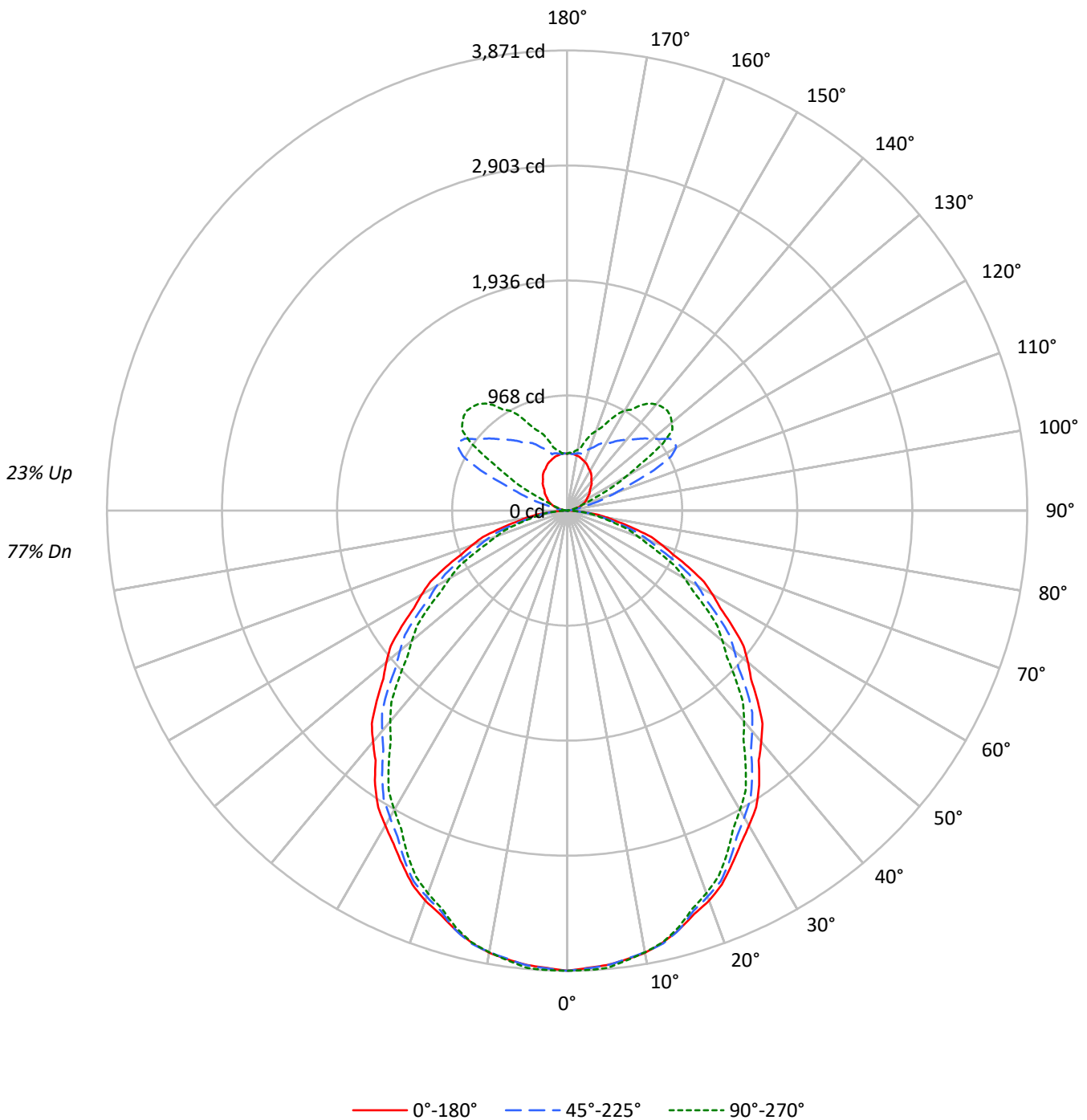
Lumens per Lamp: N/A  
Luminaire Lumens: 12080.9 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 94.6  
Input Voltage (V): 120  
Input Current (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 | 50 | 30 | 10 | 0  |   |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| 0   | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 108 | 98 | 98 | 98 | 89 | 89 | 89 | 81 | 81 | 81 | 77 |    |    |    |   |
| 1   | 104 | 100 | 96  | 92  | 99  | 95  | 92  | 88  | 87 | 84 | 81 | 79 | 77 | 75 | 72 | 70 | 69 | 65 |    |    |    |   |
| 2   | 95  | 87  | 81  | 76  | 90  | 84  | 78  | 73  | 76 | 72 | 68 | 70 | 66 | 63 | 64 | 61 | 58 | 55 |    |    |    |   |
| 3   | 87  | 77  | 70  | 64  | 83  | 74  | 67  | 62  | 68 | 62 | 58 | 62 | 57 | 54 | 57 | 53 | 50 | 47 |    |    |    |   |
| 4   | 80  | 69  | 60  | 54  | 76  | 66  | 58  | 53  | 60 | 54 | 49 | 55 | 50 | 46 | 51 | 47 | 43 | 40 |    |    |    |   |
| 5   | 73  | 61  | 53  | 47  | 70  | 59  | 51  | 45  | 54 | 48 | 43 | 50 | 45 | 40 | 46 | 41 | 38 | 35 |    |    |    |   |
| 6   | 68  | 55  | 47  | 41  | 64  | 53  | 45  | 40  | 49 | 43 | 38 | 45 | 40 | 36 | 42 | 37 | 34 | 31 |    |    |    |   |
| 7   | 63  | 50  | 42  | 36  | 60  | 48  | 41  | 35  | 45 | 38 | 33 | 41 | 36 | 32 | 38 | 34 | 30 | 28 |    |    |    |   |
| 8   | 59  | 46  | 38  | 32  | 56  | 44  | 37  | 32  | 41 | 35 | 30 | 38 | 32 | 28 | 35 | 30 | 27 | 25 |    |    |    |   |
| 9   | 55  | 42  | 34  | 29  | 52  | 41  | 33  | 28  | 38 | 31 | 27 | 35 | 30 | 26 | 33 | 28 | 24 | 22 |    |    |    |   |
| 10  | 51  | 39  | 31  | 26  | 49  | 37  | 30  | 26  | 35 | 29 | 25 | 33 | 27 | 23 | 30 | 26 | 22 | 20 |    |    |    |   |

**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   | 3.0       |
| 10°-20°   | 1026.1  | 8.5       |
| 20°-30°   | 1490.8  | 12.3      |
| 30°-40°   | 1694.9  | 14.0      |
| 40°-50°   | 1645.4  | 13.6      |
| 50°-60°   | 1389.2  | 11.5      |
| 60°-70°   | 988.4   | 8.2       |
| 70°-80°   | 528.1   | 4.4       |
| 80°-90°   | 139.5   | 1.2       |
| 90°-100°  | 32.4    | 0.3       |
| 100°-110° | 169.5   | 1.4       |
| 110°-120° | 426.7   | 3.5       |
| 120°-130° | 658.2   | 5.4       |
| 130°-140° | 602.6   | 5.0       |
| 140°-150° | 444.7   | 3.7       |
| 150°-160° | 283.5   | 2.3       |
| 160°-170° | 149.2   | 1.2       |
| 170°-180° | 46.5    | 0.4       |
| 0°-30°    | 2882.1  | 23.9      |
| 0°-40°    | 4577.1  | 37.9      |
| 0°-60°    | 7611.7  | 63.0      |
| 0°-90°    | 9267.6  | 76.7      |
| 90°-120°  | 628.5   | 5.2       |
| 90°-150°  | 2334.0  | 19.3      |
| 90°-180°  | 2813.0  | 23.3      |
| 0°-180°   | 12080.9 | 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    | 0     | 0    | 6    |
| 95°  | 17   | 48    | 19   | 10    | 10   | 21   |
| 105° | 86   | 268   | 194  | 80    | 65   | 92   |
| 115° | 164  | 335   | 805  | 350   | 266  | 160  |
| 125° | 219  | 339   | 1054 | 1062  | 982  | 196  |
| 135° | 282  | 377   | 853  | 1164  | 1190 | 218  |
| 145° | 356  | 412   | 712  | 990   | 1083 | 221  |
| 155° | 411  | 442   | 611  | 756   | 834  | 189  |
| 165° | 455  | 468   | 491  | 574   | 613  | 128  |
| 175° | 480  | 491   | 476  | 478   | 482  | 45   |
| 180° | 478  | 478   | 478  | 478   | 478  |      |



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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   | 35.2   | 35.2   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 5.1    | 11.6   | 3.4    | 1.7    | 3.4    |
| 95°    | 16.9   | 47.8   | 19.0   | 10.5   | 10.5   |
| 97.5°  | 35.0   | 106.7  | 48.9   | 26.1   | 23.6   |
| 100°   | 48.5   | 151.5  | 75.9   | 37.8   | 33.7   |
| 102.5° | 63.6   | 196.3  | 114.6  | 51.2   | 43.8   |
| 105°   | 86.4   | 267.7  | 193.8  | 79.7   | 65.3   |
| 107.5° | 111.7  | 316.5  | 319.4  | 122.9  | 99.0   |
| 110°   | 128.5  | 336.6  | 425.6  | 161.4  | 124.3  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°    | 67.5°  | 90°    |
|--------|-------|-------|--------|--------|--------|
| 112.5° | 143.7 | 341.9 | 567.2  | 220.1  | 169.8  |
| 115°   | 164.4 | 335.4 | 804.9  | 350.0  | 265.5  |
| 117.5° | 179.5 | 319.2 | 985.3  | 556.7  | 429.4  |
| 120°   | 189.6 | 319.4 | 1057.7 | 713.2  | 571.0  |
| 122.5° | 201.4 | 321.3 | 1078.0 | 868.5  | 737.9  |
| 125°   | 219.1 | 338.6 | 1053.5 | 1062.2 | 981.9  |
| 127.5° | 236.8 | 351.4 | 987.8  | 1141.9 | 1116.7 |
| 130°   | 248.6 | 359.9 | 935.5  | 1169.0 | 1150.5 |
| 132.5° | 260.4 | 368.4 | 898.5  | 1169.6 | 1179.1 |
| 135°   | 282.3 | 377.1 | 853.4  | 1163.7 | 1190.5 |
| 137.5° | 304.7 | 387.9 | 811.2  | 1126.9 | 1182.5 |
| 140°   | 318.2 | 396.5 | 777.5  | 1087.0 | 1167.3 |
| 142.5° | 333.3 | 403.4 | 745.5  | 1050.0 | 1135.3 |
| 145°   | 356.1 | 411.7 | 712.2  | 990.3  | 1083.0 |
| 147.5° | 373.8 | 416.2 | 674.7  | 930.1  | 1006.8 |
| 150°   | 385.6 | 416.5 | 659.5  | 876.6  | 971.4  |
| 152.5° | 395.7 | 425.0 | 641.0  | 827.5  | 914.0  |
| 155°   | 410.9 | 441.8 | 611.0  | 756.1  | 834.4  |
| 157.5° | 426.0 | 455.7 | 575.7  | 702.9  | 756.0  |
| 160°   | 436.2 | 460.9 | 552.1  | 677.2  | 712.2  |
| 162.5° | 444.6 | 466.0 | 526.8  | 633.4  | 673.4  |
| 165°   | 455.1 | 467.5 | 490.9  | 574.0  | 613.2  |
| 167.5° | 464.8 | 471.0 | 493.9  | 515.7  | 547.4  |
| 170°   | 469.9 | 476.1 | 488.8  | 510.1  | 520.4  |
| 172.5° | 474.9 | 484.4 | 482.1  | 496.6  | 505.3  |
| 175°   | 480.4 | 490.7 | 476.2  | 478.4  | 482.5  |
| 177.5° | 481.7 | 486.6 | 483.4  | 483.5  | 488.4  |
| 180°   | 478.3 | 478.3 | 478.3  | 478.3  | 478.3  |



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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 | 20.05            | 21.20 | 20.74 | 21.91 | 22.74 | 18.98          | 20.12 | 19.67 | 20.83 | 21.66 |
|                 | 3H   | 21.74            | 22.77 | 22.45 | 23.49 | 24.35 | 20.41          | 21.44 | 21.12 | 22.16 | 23.02 |
|                 | 4H   | 22.39            | 23.36 | 23.11 | 24.08 | 24.96 | 20.94          | 21.91 | 21.66 | 22.64 | 23.52 |
|                 | 6H   | 22.78            | 23.68 | 23.52 | 24.42 | 25.31 | 21.27          | 22.17 | 22.01 | 22.91 | 23.80 |
|                 | 8H   | 22.93            | 23.78 | 23.68 | 24.54 | 25.43 | 21.40          | 22.26 | 22.15 | 23.01 | 23.91 |
|                 | 12H  | 23.01            | 23.82 | 23.76 | 24.57 | 25.49 | 21.49          | 22.30 | 22.24 | 23.05 | 23.97 |
| 4H              | 2H   | 20.50            | 21.47 | 21.22 | 22.19 | 23.07 | 19.64          | 20.61 | 20.36 | 21.34 | 22.21 |
|                 | 3H   | 22.41            | 23.22 | 23.15 | 23.98 | 24.88 | 21.28          | 22.09 | 22.02 | 22.86 | 23.75 |
|                 | 4H   | 23.17            | 23.91 | 23.93 | 24.67 | 25.60 | 21.90          | 22.63 | 22.65 | 23.40 | 24.32 |
|                 | 6H   | 23.69            | 24.33 | 24.46 | 25.12 | 26.05 | 22.33          | 22.96 | 23.10 | 23.75 | 24.69 |
|                 | 8H   | 23.89            | 24.48 | 24.66 | 25.27 | 26.21 | 22.50          | 23.10 | 23.28 | 23.89 | 24.83 |
|                 | 12H  | 24.00            | 24.53 | 24.80 | 25.34 | 26.29 | 22.62          | 23.16 | 23.42 | 23.97 | 24.92 |
| 8H              | 4H   | 23.32            | 23.92 | 24.10 | 24.70 | 25.65 | 22.18          | 22.78 | 22.96 | 23.56 | 24.51 |
|                 | 6H   | 23.95            | 24.45 | 24.76 | 25.27 | 26.22 | 22.72          | 23.22 | 23.53 | 24.04 | 24.99 |
|                 | 8H   | 24.23            | 24.67 | 25.05 | 25.50 | 26.46 | 22.98          | 23.42 | 23.80 | 24.24 | 25.20 |
|                 | 12H  | 24.41            | 24.79 | 25.23 | 25.61 | 26.63 | 23.17          | 23.55 | 23.99 | 24.37 | 25.39 |
| 12H             | 4H   | 23.31            | 23.84 | 24.11 | 24.65 | 25.60 | 22.20          | 22.73 | 23.00 | 23.54 | 24.49 |
|                 | 6H   | 23.97            | 24.41 | 24.79 | 25.24 | 26.20 | 22.78          | 23.22 | 23.60 | 24.05 | 25.01 |
|                 | 8H   | 24.28            | 24.67 | 25.10 | 25.49 | 26.51 | 23.08          | 23.46 | 23.90 | 24.28 | 25.30 |