

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: P1438955

Luminaire Tested: CB2-B-125U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438955  
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-125U-055D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

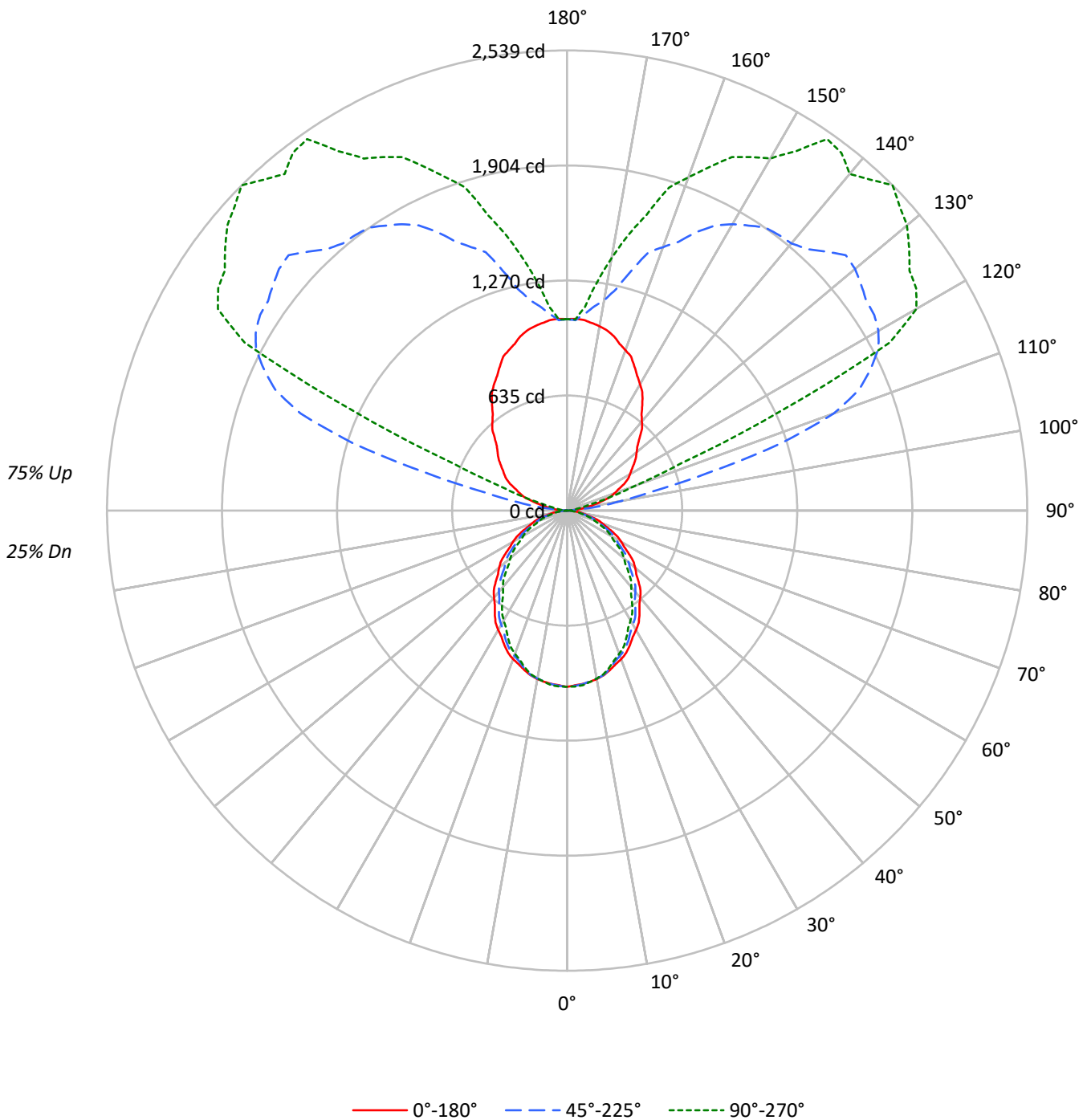
Lumens per Lamp: N/A  
Luminaire Lumens: 9201.9 lumens  
Efficiency: N/A  
Efficacy: 160.0 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 57.5  
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

TEST NUMBER: P1438955

CATALOG NUMBER: CB2-B-125U-055D-930-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1438955

CATALOG NUMBER: CB2-B-125U-055D-930-1D-UNV-STD-W-4

**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   | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 50 | 50 | 50 | 33 | 33 | 33 | 25 |
| 1   | 92  | 88  | 84  | 81  | 82 | 79 | 75 | 73 | 61 | 59 | 57 | 44 | 43 | 42 | 29 | 28 | 28 | 21 |
| 2   | 84  | 77  | 71  | 66  | 75 | 69 | 64 | 60 | 53 | 50 | 47 | 39 | 37 | 35 | 26 | 25 | 24 | 18 |
| 3   | 77  | 68  | 61  | 55  | 68 | 60 | 55 | 50 | 47 | 43 | 40 | 34 | 32 | 30 | 23 | 21 | 20 | 15 |
| 4   | 70  | 60  | 52  | 47  | 62 | 54 | 47 | 42 | 42 | 37 | 34 | 31 | 28 | 25 | 20 | 19 | 17 | 13 |
| 5   | 64  | 53  | 45  | 40  | 57 | 48 | 41 | 36 | 37 | 33 | 29 | 27 | 24 | 22 | 18 | 17 | 15 | 11 |
| 6   | 59  | 48  | 40  | 34  | 52 | 43 | 36 | 31 | 33 | 29 | 25 | 25 | 22 | 19 | 17 | 15 | 13 | 10 |
| 7   | 54  | 43  | 35  | 30  | 48 | 38 | 32 | 27 | 30 | 25 | 22 | 23 | 19 | 17 | 15 | 13 | 12 | 9  |
| 8   | 50  | 39  | 31  | 26  | 45 | 35 | 28 | 24 | 27 | 23 | 19 | 21 | 17 | 15 | 14 | 12 | 11 | 8  |
| 9   | 47  | 35  | 28  | 23  | 42 | 32 | 26 | 21 | 25 | 21 | 17 | 19 | 16 | 13 | 13 | 11 | 10 | 7  |
| 10  | 44  | 32  | 25  | 21  | 39 | 29 | 23 | 19 | 23 | 19 | 15 | 17 | 14 | 12 | 12 | 10 | 9  | 7  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 16930 | 16930 | 16930 |
| 5°  | 16786 | 16812 | 16930 |
| 10° | 16690 | 16651 | 16639 |
| 15° | 16427 | 16319 | 16185 |
| 20° | 16168 | 15809 | 15588 |
| 25° | 15734 | 15290 | 14861 |
| 30° | 15297 | 14623 | 14070 |
| 35° | 14797 | 13942 | 13276 |
| 40° | 14265 | 13301 | 12523 |
| 45° | 13732 | 12631 | 11789 |
| 50° | 13250 | 11979 | 11072 |
| 55° | 12657 | 11299 | 10397 |
| 60° | 11980 | 10656 | 9722  |
| 65° | 11255 | 9936  | 9050  |
| 70° | 10460 | 9136  | 8189  |
| 75° | 9516  | 8264  | 7416  |
| 80° | 8506  | 7242  | 6720  |
| 85° | 6535  | 5955  | 4916  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13732 cd/sqm



TEST NUMBER: P1438955

CATALOG NUMBER: CB2-B-125U-055D-930-1D-UNV-STD-W-4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 91.4   | 1.0       |
| 10°-20°   | 254.8  | 2.8       |
| 20°-30°   | 366.4  | 4.0       |
| 30°-40°   | 411.8  | 4.5       |
| 40°-50°   | 397.8  | 4.3       |
| 50°-60°   | 336.1  | 3.7       |
| 60°-70°   | 241.4  | 2.6       |
| 70°-80°   | 131.9  | 1.4       |
| 80°-90°   | 35.0   | 0.4       |
| 90°-100°  | 79.1   | 0.9       |
| 100°-110° | 489.7  | 5.3       |
| 110°-120° | 1235.1 | 13.4      |
| 120°-130° | 1484.7 | 16.1      |
| 130°-140° | 1346.1 | 14.6      |
| 140°-150° | 1073.4 | 11.7      |
| 150°-160° | 732.2  | 8.0       |
| 160°-170° | 387.2  | 4.2       |
| 170°-180° | 107.8  | 1.2       |
| 0°-30°    | 712.6  | 7.7       |
| 0°-40°    | 1124.4 | 12.2      |
| 0°-60°    | 1858.2 | 20.2      |
| 0°-90°    | 2266.6 | 24.6      |
| 90°-120°  | 1803.9 | 19.6      |
| 90°-150°  | 5708.0 | 62.0      |
| 90°-180°  | 6935.0 | 75.4      |
| 0°-180°   | 9201.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 972  | 972   | 972  | 972   | 972  |      |
| 5°   | 960  | 973   | 962  | 962   | 968  | 91   |
| 15°  | 911  | 919   | 905  | 896   | 898  | 257  |
| 25°  | 819  | 819   | 796  | 778   | 773  | 377  |
| 35°  | 696  | 688   | 656  | 630   | 624  | 435  |
| 45°  | 558  | 546   | 513  | 486   | 479  | 431  |
| 55°  | 417  | 402   | 372  | 349   | 342  | 373  |
| 65°  | 273  | 263   | 241  | 224   | 220  | 271  |
| 75°  | 141  | 133   | 123  | 113   | 110  | 151  |
| 85°  | 33   | 31    | 30   | 26    | 25   | 39   |
| 90°  | 0    | 0     | 0    | 0     | 0    | 3    |
| 95°  | 41   | 103   | 32   | 23    | 23   | 52   |
| 105° | 200  | 560   | 810  | 203   | 136  | 210  |
| 115° | 346  | 764   | 1847 | 1720  | 1310 | 339  |
| 125° | 450  | 926   | 2015 | 2293  | 2307 | 403  |
| 135° | 564  | 1027  | 2020 | 2365  | 2539 | 439  |
| 145° | 723  | 1079  | 1906 | 2298  | 2502 | 452  |
| 155° | 878  | 1100  | 1697 | 2045  | 2152 | 404  |
| 165° | 996  | 1090  | 1369 | 1612  | 1688 | 280  |
| 175° | 1056 | 1069  | 1087 | 1106  | 1128 | 100  |
| 180° | 1056 | 1056  | 1056 | 1056  | 1056 |      |

TEST NUMBER: P1438955

CATALOG NUMBER: CB2-B-125U-055D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°    | 67.5° | 90°   |
|--------|-------|-------|--------|-------|-------|
| 0°     | 972.0 | 972.0 | 972.0  | 972.0 | 972.0 |
| 2.5°   | 965.5 | 977.1 | 968.4  | 969.7 | 971.4 |
| 5°     | 960.1 | 973.2 | 961.6  | 961.7 | 968.3 |
| 7.5°   | 953.3 | 965.6 | 951.0  | 948.3 | 954.4 |
| 10°    | 943.7 | 956.1 | 941.5  | 936.4 | 940.8 |
| 12.5°  | 931.2 | 943.0 | 929.0  | 920.9 | 924.7 |
| 15°    | 911.0 | 919.0 | 905.0  | 896.1 | 897.6 |
| 17.5°  | 889.0 | 893.9 | 873.8  | 866.3 | 864.8 |
| 20°    | 872.3 | 876.6 | 852.9  | 842.5 | 841.0 |
| 22.5°  | 850.8 | 854.6 | 829.7  | 816.9 | 814.8 |
| 25°    | 818.7 | 819.4 | 795.6  | 777.7 | 773.3 |
| 27.5°  | 785.1 | 782.7 | 756.3  | 735.1 | 729.4 |
| 30°    | 760.6 | 757.7 | 727.1  | 704.7 | 699.6 |
| 32.5°  | 734.4 | 729.2 | 698.6  | 674.3 | 669.2 |
| 35°    | 695.9 | 687.9 | 655.7  | 630.3 | 624.4 |
| 37.5°  | 654.8 | 645.8 | 614.2  | 586.5 | 579.9 |
| 40°    | 627.4 | 617.2 | 585.0  | 557.3 | 550.8 |
| 42.5°  | 600.0 | 588.7 | 555.8  | 528.1 | 521.0 |
| 45°    | 557.5 | 545.8 | 512.8  | 485.8 | 478.6 |
| 47.5°  | 517.0 | 502.1 | 470.1  | 443.3 | 436.0 |
| 50°    | 489.0 | 473.0 | 442.1  | 415.9 | 408.6 |
| 52.5°  | 460.4 | 443.8 | 414.1  | 389.1 | 381.8 |
| 55°    | 416.8 | 401.5 | 372.1  | 348.9 | 342.4 |
| 57.5°  | 373.6 | 358.9 | 332.1  | 309.9 | 303.5 |
| 60°    | 343.9 | 331.5 | 305.9  | 284.9 | 279.1 |
| 62.5°  | 315.3 | 304.1 | 279.7  | 260.5 | 254.7 |
| 65°    | 273.1 | 263.0 | 241.1  | 223.9 | 219.6 |
| 67.5°  | 232.2 | 222.0 | 204.4  | 188.9 | 184.0 |
| 70°    | 205.4 | 195.2 | 179.4  | 165.1 | 160.8 |
| 72.5°  | 179.8 | 169.0 | 156.1  | 143.1 | 139.9 |
| 75°    | 141.4 | 132.7 | 122.8  | 113.1 | 110.2 |
| 77.5°  | 107.5 | 99.0  | 91.8   | 85.0  | 84.3  |
| 80°    | 84.8  | 77.6  | 72.2   | 67.7  | 67.0  |
| 82.5°  | 63.4  | 57.9  | 54.3   | 51.1  | 50.9  |
| 85°    | 32.7  | 30.6  | 29.8   | 26.0  | 24.6  |
| 87.5°  | 9.5   | 9.5   | 8.3    | 7.1   | 7.1   |
| 90°    | 0.0   | 0.0   | 0.0    | 0.0   | 0.0   |
| 92.5°  | 10.9  | 18.0  | 7.3    | 7.3   | 7.3   |
| 95°    | 40.9  | 103.2 | 31.8   | 22.7  | 22.7  |
| 97.5°  | 85.5  | 247.4 | 172.0  | 46.3  | 40.0  |
| 100°   | 118.3 | 358.5 | 295.7  | 67.9  | 54.6  |
| 102.5° | 151.0 | 455.3 | 466.8  | 107.7 | 83.7  |
| 105°   | 200.2 | 560.5 | 809.8  | 203.2 | 136.5 |
| 107.5° | 248.4 | 629.2 | 1241.1 | 419.3 | 252.9 |
| 110°   | 277.5 | 669.0 | 1565.0 | 653.7 | 391.3 |



TEST NUMBER: P1438955

CATALOG NUMBER: CB2-B-125U-055D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 306.6  | 708.8  | 1743.3 | 1047.9 | 675.1  |
| 115°   | 345.8  | 763.9  | 1847.1 | 1719.5 | 1310.2 |
| 117.5° | 378.5  | 814.5  | 1936.2 | 2126.4 | 2006.3 |
| 120°   | 400.4  | 854.1  | 1983.6 | 2184.6 | 2224.7 |
| 122.5° | 422.2  | 883.0  | 2009.0 | 2207.3 | 2282.9 |
| 125°   | 450.4  | 926.4  | 2015.4 | 2293.2 | 2306.6 |
| 127.5° | 478.6  | 959.0  | 2045.4 | 2372.2 | 2378.5 |
| 130°   | 500.4  | 980.9  | 2074.5 | 2398.7 | 2447.6 |
| 132.5° | 525.9  | 999.2  | 2085.5 | 2413.8 | 2487.6 |
| 135°   | 564.1  | 1026.8 | 2020.0 | 2365.1 | 2538.6 |
| 137.5° | 612.4  | 1046.5 | 1957.2 | 2363.7 | 2475.8 |
| 140°   | 641.5  | 1050.7 | 1924.4 | 2416.0 | 2424.9 |
| 142.5° | 674.2  | 1062.1 | 1917.1 | 2410.2 | 2486.7 |
| 145°   | 723.4  | 1079.2 | 1906.2 | 2297.6 | 2502.2 |
| 147.5° | 772.5  | 1090.1 | 1864.4 | 2173.2 | 2352.1 |
| 150°   | 805.3  | 1094.4 | 1824.3 | 2131.7 | 2242.9 |
| 152.5° | 838.0  | 1098.7 | 1773.4 | 2105.8 | 2199.2 |
| 155°   | 878.0  | 1100.5 | 1696.9 | 2045.1 | 2151.9 |
| 157.5° | 919.9  | 1095.2 | 1605.0 | 1934.3 | 2050.9 |
| 160°   | 941.7  | 1088.5 | 1546.8 | 1854.0 | 1956.3 |
| 162.5° | 963.6  | 1085.5 | 1495.9 | 1748.8 | 1868.9 |
| 165°   | 996.3  | 1089.7 | 1369.4 | 1612.2 | 1687.8 |
| 167.5° | 1018.2 | 1085.8 | 1251.1 | 1450.1 | 1556.8 |
| 170°   | 1032.7 | 1086.1 | 1178.3 | 1325.9 | 1414.9 |
| 172.5° | 1043.6 | 1068.6 | 1134.6 | 1212.4 | 1272.9 |
| 175°   | 1055.5 | 1068.8 | 1087.3 | 1106.0 | 1128.3 |
| 177.5° | 1059.1 | 1066.2 | 1051.8 | 1048.4 | 1055.5 |
| 180°   | 1055.5 | 1055.5 | 1055.5 | 1055.5 | 1055.5 |



TEST NUMBER: P1438955  
 CATALOG NUMBER: CB2-B-125U-055D-930-1D-UNV-STD-W-4

**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 | 13.82            | 14.48 | 14.97 | 15.62 | 17.21 | 12.72          | 13.38 | 13.87 | 14.52 | 16.12 |
|                 | 3H   | 15.45            | 16.04 | 16.60 | 17.19 | 18.80 | 14.23          | 14.83 | 15.39 | 15.97 | 17.58 |
|                 | 4H   | 16.07            | 16.63 | 17.23 | 17.78 | 19.39 | 14.79          | 15.36 | 15.96 | 16.51 | 18.12 |
|                 | 6H   | 16.46            | 16.98 | 17.63 | 18.13 | 19.75 | 15.16          | 15.68 | 16.33 | 16.83 | 18.45 |
|                 | 8H   | 16.60            | 17.10 | 17.78 | 18.26 | 19.88 | 15.29          | 15.79 | 16.47 | 16.95 | 18.57 |
|                 | 12H  | 16.67            | 17.14 | 17.85 | 18.30 | 19.93 | 15.35          | 15.82 | 16.53 | 16.97 | 18.61 |
| 4H              | 2H   | 14.20            | 14.77 | 15.38 | 15.91 | 17.53 | 13.33          | 13.89 | 14.50 | 15.04 | 16.65 |
|                 | 3H   | 16.05            | 16.53 | 17.23 | 17.70 | 19.32 | 15.05          | 15.52 | 16.22 | 16.69 | 18.31 |
|                 | 4H   | 16.79            | 17.23 | 17.97 | 18.39 | 20.03 | 15.71          | 16.15 | 16.89 | 17.31 | 18.95 |
|                 | 6H   | 17.30            | 17.67 | 18.49 | 18.85 | 20.49 | 16.18          | 16.55 | 17.36 | 17.73 | 19.36 |
|                 | 8H   | 17.50            | 17.85 | 18.68 | 19.02 | 20.67 | 16.36          | 16.71 | 17.54 | 17.88 | 19.53 |
|                 | 12H  | 17.60            | 17.91 | 18.80 | 19.10 | 20.75 | 16.44          | 16.76 | 17.64 | 17.94 | 19.59 |
| 8H              | 4H   | 16.93            | 17.28 | 18.12 | 18.45 | 20.10 | 15.97          | 16.32 | 17.15 | 17.49 | 19.14 |
|                 | 6H   | 17.57            | 17.85 | 18.77 | 19.07 | 20.72 | 16.57          | 16.85 | 17.77 | 18.07 | 19.71 |
|                 | 8H   | 17.86            | 18.10 | 19.06 | 19.30 | 20.97 | 16.84          | 17.09 | 18.05 | 18.28 | 19.95 |
|                 | 12H  | 18.02            | 18.24 | 19.23 | 19.43 | 21.13 | 16.98          | 17.20 | 18.19 | 18.39 | 20.09 |
| 12H             | 4H   | 16.90            | 17.22 | 18.10 | 18.40 | 20.06 | 15.96          | 16.28 | 17.16 | 17.46 | 19.12 |
|                 | 6H   | 17.59            | 17.84 | 18.80 | 19.04 | 20.70 | 16.63          | 16.88 | 17.84 | 18.07 | 19.74 |
|                 | 8H   | 17.90            | 18.12 | 19.11 | 19.31 | 21.01 | 16.92          | 17.14 | 18.14 | 18.33 | 20.03 |