

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: P1439415

Luminaire Tested: CB3-B-055U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439415  
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-055U-055D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

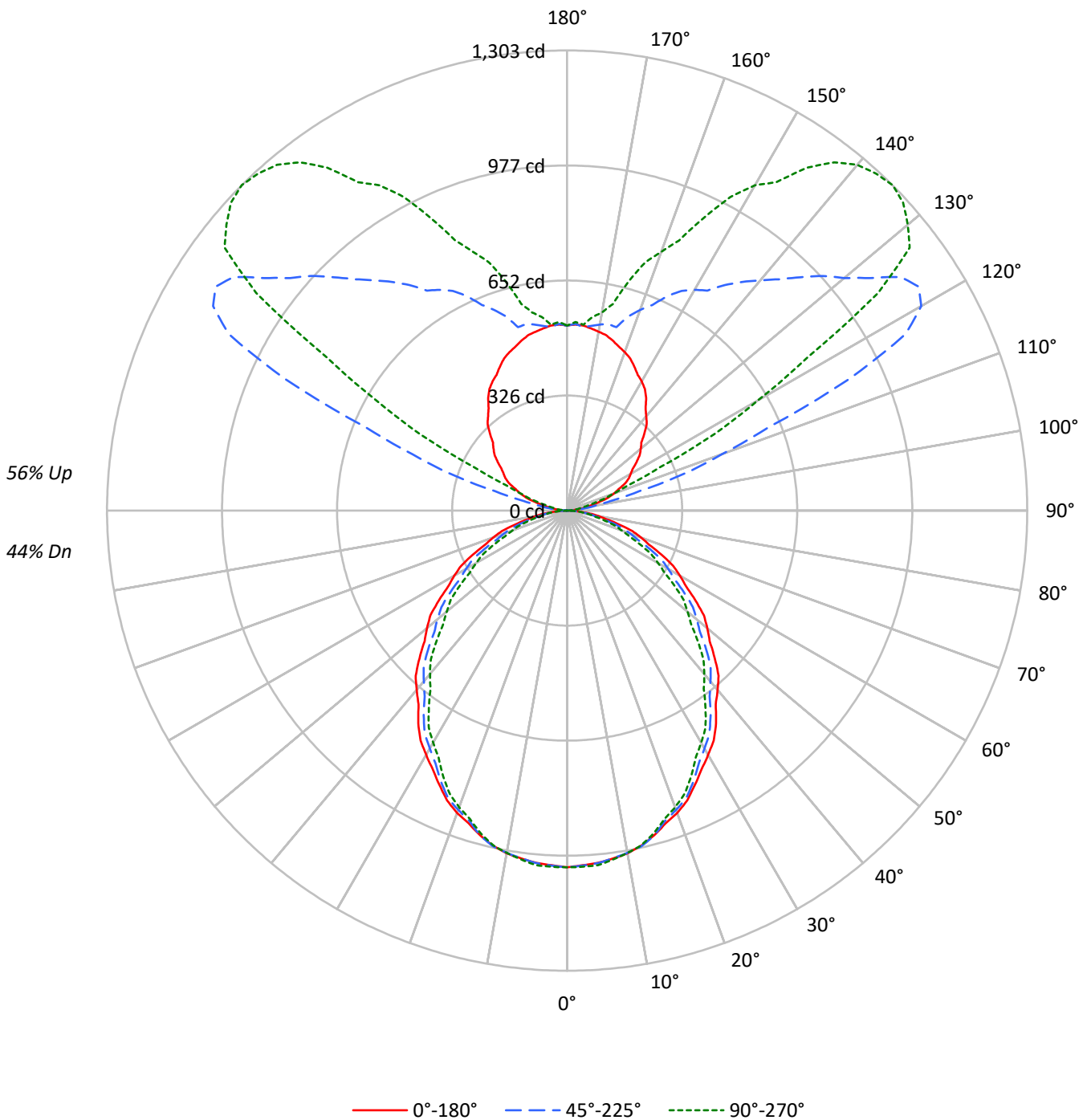
Lumens per Lamp: N/A  
Luminaire Lumens: 5497.8 lumens  
Efficiency: N/A  
Efficacy: 169.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 32.5  
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: P1439415

CATALOG NUMBER: CB3-B-055U-055D-940-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1439415

CATALOG NUMBER: CB3-B-055U-055D-940-1D-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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 44 |
| 1   | 97  | 92  | 89  | 85  | 88 | 85 | 81 | 79 | 70 | 68 | 66 | 57 | 56 | 54 | 45 | 44 | 43 | 37 |
| 2   | 88  | 81  | 75  | 70  | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 50 | 48 | 45 | 40 | 38 | 36 | 32 |
| 3   | 80  | 71  | 64  | 58  | 73 | 65 | 59 | 54 | 55 | 50 | 46 | 45 | 41 | 39 | 35 | 33 | 31 | 27 |
| 4   | 74  | 63  | 55  | 49  | 67 | 58 | 51 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5   | 68  | 56  | 48  | 42  | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 29 | 26 | 24 | 20 |
| 6   | 62  | 50  | 42  | 37  | 57 | 47 | 40 | 34 | 39 | 34 | 30 | 32 | 28 | 25 | 26 | 23 | 21 | 18 |
| 7   | 58  | 46  | 38  | 32  | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 29 | 25 | 22 | 24 | 21 | 19 | 16 |
| 8   | 53  | 41  | 34  | 28  | 49 | 38 | 31 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 14 |
| 9   | 50  | 38  | 30  | 25  | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10  | 46  | 35  | 27  | 23  | 43 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 11429 | 11429 | 11429 |
| 5°  | 11375 | 11383 | 11449 |
| 10° | 11325 | 11309 | 11309 |
| 15° | 11151 | 11151 | 11085 |
| 20° | 10970 | 10858 | 10763 |
| 25° | 10694 | 10559 | 10372 |
| 30° | 10432 | 10161 | 9916  |
| 35° | 10158 | 9781  | 9434  |
| 40° | 9791  | 9324  | 8923  |
| 45° | 9460  | 8919  | 8369  |
| 50° | 9118  | 8435  | 7830  |
| 55° | 8747  | 7967  | 7317  |
| 60° | 8346  | 7483  | 6737  |
| 65° | 7874  | 6934  | 6128  |
| 70° | 7334  | 6289  | 5458  |
| 75° | 6649  | 5521  | 4861  |
| 80° | 5799  | 4626  | 4300  |
| 85° | 4466  | 3908  | 3908  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9460 cd/sqm



TEST NUMBER: P1439415

CATALOG NUMBER: CB3-B-055U-055D-940-1D-UNV-STD-W-4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 95.3   | 1.7       |
| 10°-20°   | 267.8  | 4.9       |
| 20°-30°   | 389.0  | 7.1       |
| 30°-40°   | 442.3  | 8.0       |
| 40°-50°   | 429.4  | 7.8       |
| 50°-60°   | 362.5  | 6.6       |
| 60°-70°   | 257.9  | 4.7       |
| 70°-80°   | 137.8  | 2.5       |
| 80°-90°   | 36.4   | 0.7       |
| 90°-100°  | 35.4   | 0.6       |
| 100°-110° | 185.5  | 3.4       |
| 110°-120° | 467.0  | 8.5       |
| 120°-130° | 720.5  | 13.1      |
| 130°-140° | 659.6  | 12.0      |
| 140°-150° | 486.8  | 8.9       |
| 150°-160° | 310.3  | 5.6       |
| 160°-170° | 163.4  | 3.0       |
| 170°-180° | 50.9   | 0.9       |
| 0°-30°    | 752.1  | 13.7      |
| 0°-40°    | 1194.4 | 21.7      |
| 0°-60°    | 1986.2 | 36.1      |
| 0°-90°    | 2418.4 | 44.0      |
| 90°-120°  | 688.0  | 12.5      |
| 90°-150°  | 2554.9 | 46.5      |
| 90°-180°  | 3079.0 | 56.0      |
| 0°-180°   | 5497.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1010 | 1010  | 1010 | 1010  | 1010 |      |
| 5°   | 1002 | 1014  | 1002 | 1001  | 1008 | 95   |
| 15°  | 952  | 960   | 952  | 946   | 946  | 268  |
| 25°  | 857  | 859   | 846  | 834   | 831  | 395  |
| 35°  | 735  | 728   | 708  | 687   | 683  | 458  |
| 45°  | 591  | 582   | 557  | 531   | 523  | 456  |
| 55°  | 443  | 431   | 404  | 378   | 371  | 396  |
| 65°  | 294  | 284   | 259  | 236   | 229  | 291  |
| 75°  | 152  | 144   | 126  | 113   | 111  | 162  |
| 85°  | 34   | 32    | 30   | 30    | 30   | 41   |
| 90°  | 0    | 0     | 0    | 0     | 0    | 2    |
| 95°  | 18   | 52    | 21   | 12    | 12   | 23   |
| 105° | 95   | 293   | 212  | 87    | 72   | 101  |
| 115° | 180  | 367   | 881  | 383   | 291  | 175  |
| 125° | 240  | 371   | 1153 | 1163  | 1075 | 215  |
| 135° | 309  | 413   | 934  | 1274  | 1303 | 239  |
| 145° | 390  | 451   | 780  | 1084  | 1186 | 242  |
| 155° | 450  | 484   | 669  | 828   | 913  | 207  |
| 165° | 498  | 512   | 537  | 628   | 671  | 140  |
| 175° | 526  | 537   | 521  | 524   | 528  | 50   |
| 180° | 524  | 524   | 524  | 524   | 524  |      |



TEST NUMBER: P1439415

CATALOG NUMBER: CB3-B-055U-055D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1010.1 | 1010.1 | 1010.1 | 1010.1 | 1010.1 |
| 2.5°   | 1005.0 | 1015.1 | 1006.1 | 1007.3 | 1009.6 |
| 5°     | 1001.5 | 1014.2 | 1002.2 | 1001.0 | 1008.0 |
| 7.5°   | 993.8  | 1005.3 | 992.9  | 990.0  | 996.4  |
| 10°    | 985.7  | 998.4  | 984.3  | 980.8  | 984.3  |
| 12.5°  | 971.4  | 984.6  | 973.4  | 967.6  | 970.5  |
| 15°    | 952.0  | 960.4  | 952.0  | 946.3  | 946.3  |
| 17.5°  | 928.3  | 937.2  | 921.3  | 917.3  | 915.7  |
| 20°    | 911.1  | 918.8  | 901.8  | 896.0  | 893.9  |
| 22.5°  | 888.2  | 895.3  | 881.1  | 871.3  | 868.7  |
| 25°    | 856.6  | 859.4  | 845.8  | 834.3  | 830.8  |
| 27.5°  | 824.9  | 825.6  | 807.0  | 792.9  | 788.3  |
| 30°    | 798.5  | 799.2  | 777.7  | 762.5  | 759.0  |
| 32.5°  | 772.1  | 770.0  | 749.6  | 731.6  | 729.2  |
| 35°    | 735.4  | 728.3  | 708.1  | 687.2  | 683.0  |
| 37.5°  | 691.0  | 686.8  | 662.9  | 642.0  | 635.6  |
| 40°    | 662.9  | 655.9  | 631.3  | 610.4  | 604.1  |
| 42.5°  | 634.8  | 626.6  | 601.5  | 578.2  | 571.4  |
| 45°    | 591.2  | 582.0  | 557.4  | 530.7  | 523.0  |
| 47.5°  | 547.3  | 537.3  | 510.2  | 484.4  | 475.8  |
| 50°    | 518.0  | 507.5  | 479.2  | 453.9  | 444.8  |
| 52.5°  | 488.1  | 477.1  | 448.8  | 423.0  | 415.5  |
| 55°    | 443.4  | 431.4  | 403.9  | 377.9  | 370.9  |
| 57.5°  | 398.6  | 386.8  | 359.4  | 334.8  | 326.4  |
| 60°    | 368.8  | 357.5  | 330.7  | 306.1  | 297.7  |
| 62.5°  | 338.3  | 327.7  | 301.5  | 277.5  | 269.6  |
| 65°    | 294.1  | 283.6  | 259.0  | 235.9  | 228.9  |
| 67.5°  | 250.4  | 241.4  | 217.1  | 195.9  | 190.3  |
| 70°    | 221.7  | 213.3  | 190.1  | 170.6  | 165.0  |
| 72.5°  | 194.1  | 185.2  | 163.1  | 146.6  | 142.6  |
| 75°    | 152.1  | 143.7  | 126.3  | 113.3  | 111.2  |
| 77.5°  | 113.6  | 106.8  | 91.7   | 84.3   | 83.2   |
| 80°    | 89.0   | 82.6   | 71.0   | 66.0   | 66.0   |
| 82.5°  | 66.0   | 60.8   | 53.2   | 51.1   | 51.1   |
| 85°    | 34.4   | 31.6   | 30.1   | 30.1   | 30.1   |
| 87.5°  | 10.3   | 10.3   | 9.8    | 9.2    | 9.2    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 5.5    | 12.8   | 3.7    | 1.9    | 3.7    |
| 95°    | 18.5   | 52.3   | 20.8   | 11.5   | 11.5   |
| 97.5°  | 38.3   | 116.8  | 53.5   | 28.5   | 25.8   |
| 100°   | 53.0   | 165.8  | 83.0   | 41.4   | 36.9   |
| 102.5° | 69.7   | 214.9  | 125.5  | 56.1   | 48.0   |
| 105°   | 94.6   | 293.0  | 212.2  | 87.3   | 71.5   |
| 107.5° | 122.2  | 346.4  | 349.7  | 134.6  | 108.4  |
| 110°   | 140.7  | 368.5  | 465.9  | 176.7  | 136.1  |



TEST NUMBER: P1439415

CATALOG NUMBER: CB3-B-055U-055D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°    | 67.5°  | 90°    |
|--------|-------|-------|--------|--------|--------|
| 112.5° | 157.3 | 374.2 | 620.9  | 240.9  | 185.9  |
| 115°   | 179.9 | 367.1 | 881.1  | 383.1  | 290.6  |
| 117.5° | 196.5 | 349.4 | 1078.5 | 609.4  | 470.1  |
| 120°   | 207.6 | 349.7 | 1157.8 | 780.7  | 625.0  |
| 122.5° | 220.5 | 351.7 | 1180.0 | 950.7  | 807.7  |
| 125°   | 239.9 | 370.7 | 1153.2 | 1162.8 | 1074.8 |
| 127.5° | 259.2 | 384.6 | 1081.3 | 1249.9 | 1222.4 |
| 130°   | 272.2 | 393.9 | 1024.1 | 1279.6 | 1259.3 |
| 132.5° | 285.1 | 403.2 | 983.5  | 1280.3 | 1290.7 |
| 135°   | 309.1 | 412.8 | 934.1  | 1273.8 | 1303.1 |
| 137.5° | 333.5 | 424.6 | 888.0  | 1233.5 | 1294.4 |
| 140°   | 348.3 | 434.0 | 851.1  | 1189.8 | 1277.8 |
| 142.5° | 364.9 | 441.6 | 816.0  | 1149.3 | 1242.7 |
| 145°   | 389.8 | 450.7 | 779.6  | 1084.0 | 1185.5 |
| 147.5° | 409.2 | 455.6 | 738.5  | 1018.1 | 1102.0 |
| 150°   | 422.1 | 455.9 | 721.9  | 959.5  | 1063.3 |
| 152.5° | 433.2 | 465.2 | 701.6  | 905.8  | 1000.5 |
| 155°   | 449.8 | 483.6 | 668.9  | 827.7  | 913.4  |
| 157.5° | 466.4 | 498.8 | 630.1  | 769.4  | 827.6  |
| 160°   | 477.4 | 504.5 | 604.3  | 741.2  | 779.6  |
| 162.5° | 486.7 | 510.1 | 576.6  | 693.4  | 737.1  |
| 165°   | 498.2 | 511.7 | 537.4  | 628.3  | 671.2  |
| 167.5° | 508.8 | 515.6 | 540.6  | 564.5  | 599.2  |
| 170°   | 514.3 | 521.1 | 535.1  | 558.4  | 569.7  |
| 172.5° | 519.9 | 530.2 | 527.7  | 543.6  | 553.1  |
| 175°   | 525.9 | 537.1 | 521.3  | 523.7  | 528.2  |
| 177.5° | 527.3 | 532.7 | 529.1  | 529.2  | 534.6  |
| 180°   | 523.6 | 523.6 | 523.6  | 523.6  | 523.6  |



TEST NUMBER: P1439415  
 CATALOG NUMBER: CB3-B-055U-055D-940-1D-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 | 15.03            | 15.83 | 16.04 | 16.85 | 18.20 | 13.95          | 14.75 | 14.96 | 15.77 | 17.12 |
|                 | 3H   | 16.69            | 17.41 | 17.71 | 18.43 | 19.81 | 15.36          | 16.08 | 16.38 | 17.10 | 18.48 |
|                 | 4H   | 17.32            | 18.00 | 18.35 | 19.03 | 20.41 | 15.87          | 16.55 | 16.91 | 17.58 | 18.97 |
|                 | 6H   | 17.70            | 18.33 | 18.74 | 19.36 | 20.76 | 16.19          | 16.81 | 17.23 | 17.85 | 19.24 |
|                 | 8H   | 17.84            | 18.43 | 18.88 | 19.48 | 20.87 | 16.31          | 16.90 | 17.36 | 17.95 | 19.35 |
|                 | 12H  | 17.90            | 18.47 | 18.95 | 19.51 | 20.93 | 16.38          | 16.95 | 17.44 | 17.99 | 19.41 |
| 4H              | 2H   | 15.43            | 16.11 | 16.47 | 17.14 | 18.52 | 14.57          | 15.25 | 15.61 | 16.28 | 17.66 |
|                 | 3H   | 17.31            | 17.88 | 18.36 | 18.94 | 20.33 | 16.18          | 16.75 | 17.23 | 17.81 | 19.20 |
|                 | 4H   | 18.06            | 18.58 | 19.11 | 19.63 | 21.05 | 16.79          | 17.31 | 17.84 | 18.36 | 19.77 |
|                 | 6H   | 18.56            | 19.00 | 19.62 | 20.08 | 21.49 | 17.20          | 17.64 | 18.26 | 18.71 | 20.13 |
|                 | 8H   | 18.75            | 19.16 | 19.81 | 20.23 | 21.66 | 17.37          | 17.78 | 18.43 | 18.85 | 20.28 |
|                 | 12H  | 18.84            | 19.22 | 19.92 | 20.30 | 21.73 | 17.47          | 17.84 | 18.55 | 18.92 | 20.36 |
| 8H              | 4H   | 18.18            | 18.60 | 19.25 | 19.66 | 21.09 | 17.05          | 17.46 | 18.11 | 18.53 | 19.95 |
|                 | 6H   | 18.80            | 19.14 | 19.89 | 20.25 | 21.68 | 17.57          | 17.91 | 18.66 | 19.02 | 20.45 |
|                 | 8H   | 19.08            | 19.38 | 20.17 | 20.47 | 21.91 | 17.82          | 18.12 | 18.92 | 19.21 | 20.66 |
|                 | 12H  | 19.24            | 19.50 | 20.33 | 20.59 | 22.07 | 18.00          | 18.26 | 19.09 | 19.35 | 20.83 |
| 12H             | 4H   | 18.15            | 18.53 | 19.24 | 19.61 | 21.04 | 17.04          | 17.42 | 18.13 | 18.50 | 19.93 |
|                 | 6H   | 18.82            | 19.12 | 19.91 | 20.21 | 21.65 | 17.63          | 17.93 | 18.72 | 19.02 | 20.46 |
|                 | 8H   | 19.11            | 19.38 | 20.21 | 20.46 | 21.95 | 17.91          | 18.17 | 19.00 | 19.26 | 20.74 |