

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: P1438641

Luminaire Tested: CB2-055U-030D-830-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438641
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: CB2-055U-030D-830-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

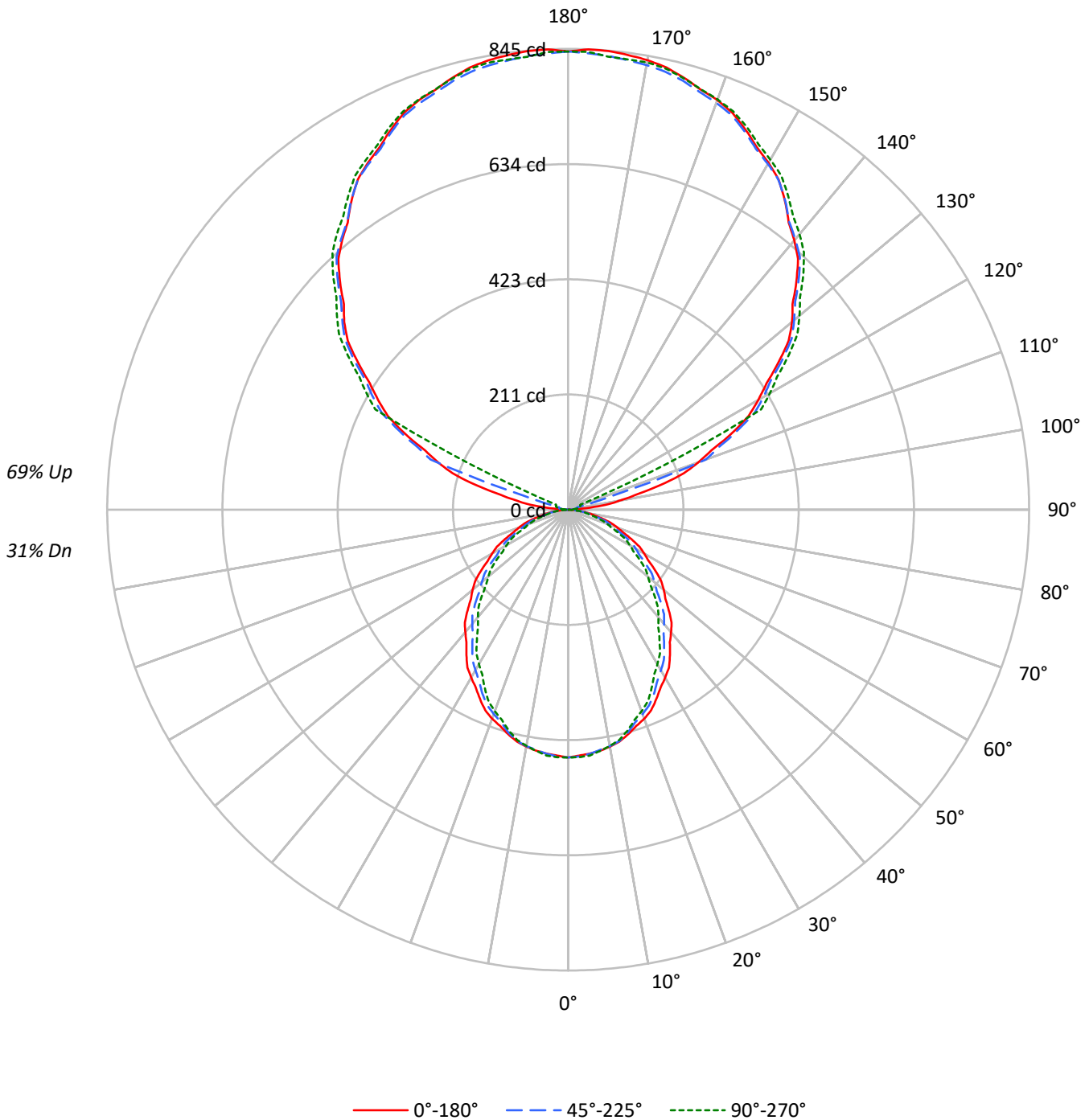
Lumens per Lamp: N/A
Luminaire Lumens: 3455.1 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (A_{in}): 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 | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 38 | 38 | 38 | 31 |
| 1 | 94 | 89 | 86 | 82 | 84 | 80 | 77 | 75 | 64 | 62 | 60 | 48 | 47 | 46 | 34 | 33 | 33 | 26 |
| 2 | 85 | 78 | 72 | 67 | 76 | 70 | 65 | 61 | 56 | 52 | 50 | 42 | 40 | 38 | 30 | 29 | 28 | 22 |
| 3 | 78 | 69 | 62 | 56 | 70 | 62 | 56 | 51 | 49 | 45 | 42 | 38 | 35 | 32 | 27 | 25 | 24 | 19 |
| 4 | 71 | 61 | 53 | 47 | 64 | 55 | 48 | 43 | 44 | 39 | 36 | 34 | 30 | 28 | 24 | 22 | 20 | 16 |
| 5 | 65 | 54 | 46 | 41 | 58 | 49 | 42 | 37 | 39 | 34 | 31 | 30 | 27 | 24 | 22 | 20 | 18 | 14 |
| 6 | 60 | 48 | 41 | 35 | 54 | 44 | 37 | 32 | 35 | 30 | 27 | 27 | 24 | 21 | 20 | 17 | 16 | 12 |
| 7 | 55 | 44 | 36 | 31 | 50 | 40 | 33 | 28 | 32 | 27 | 23 | 25 | 21 | 19 | 18 | 16 | 14 | 11 |
| 8 | 51 | 40 | 32 | 27 | 46 | 36 | 29 | 25 | 29 | 24 | 21 | 23 | 19 | 17 | 16 | 14 | 13 | 10 |
| 9 | 48 | 36 | 29 | 24 | 43 | 33 | 26 | 22 | 27 | 22 | 18 | 21 | 17 | 15 | 15 | 13 | 11 | 9 |
| 10 | 45 | 33 | 26 | 21 | 40 | 30 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 13 | 14 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7914 | 7914 | 7914 |
| 5° | 7849 | 7861 | 7915 |
| 10° | 7803 | 7785 | 7778 |
| 15° | 7680 | 7629 | 7566 |
| 20° | 7559 | 7392 | 7288 |
| 25° | 7355 | 7149 | 6947 |
| 30° | 7152 | 6836 | 6579 |
| 35° | 6917 | 6517 | 6207 |
| 40° | 6669 | 6218 | 5855 |
| 45° | 6419 | 5904 | 5510 |
| 50° | 6194 | 5601 | 5175 |
| 55° | 5918 | 5284 | 4862 |
| 60° | 5601 | 4981 | 4546 |
| 65° | 5263 | 4645 | 4228 |
| 70° | 4889 | 4273 | 3830 |
| 75° | 4448 | 3863 | 3466 |
| 80° | 3982 | 3390 | 3139 |
| 85° | 3058 | 2778 | 2298 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6419 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 42.7 | 1.2 |
| 10°-20° | 119.1 | 3.4 |
| 20°-30° | 171.3 | 5.0 |
| 30°-40° | 192.5 | 5.6 |
| 40°-50° | 186.0 | 5.4 |
| 50°-60° | 157.1 | 4.5 |
| 60°-70° | 112.9 | 3.3 |
| 70°-80° | 61.7 | 1.8 |
| 80°-90° | 16.4 | 0.5 |
| 90°-100° | 14.6 | 0.4 |
| 100°-110° | 93.2 | 2.7 |
| 110°-120° | 296.1 | 8.6 |
| 120°-130° | 429.6 | 12.4 |
| 130°-140° | 462.0 | 13.4 |
| 140°-150° | 435.0 | 12.6 |
| 150°-160° | 354.4 | 10.3 |
| 160°-170° | 230.7 | 6.7 |
| 170°-180° | 79.7 | 2.3 |
| 0°-30° | 333.1 | 9.6 |
| 0°-40° | 525.6 | 15.2 |
| 0°-60° | 868.7 | 25.1 |
| 0°-90° | 1059.7 | 30.7 |
| 90°-120° | 403.9 | 11.7 |
| 90°-150° | 1730.6 | 50.1 |
| 90°-180° | 2395.0 | 69.3 |
| 0°-180° | 3455.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 454 | 454 | 454 | 454 | 454 | |
| 5° | 449 | 455 | 450 | 450 | 453 | 43 |
| 15° | 426 | 430 | 423 | 419 | 420 | 120 |
| 25° | 383 | 383 | 372 | 364 | 362 | 176 |
| 35° | 325 | 322 | 306 | 295 | 292 | 203 |
| 45° | 261 | 255 | 240 | 227 | 224 | 201 |
| 55° | 195 | 188 | 174 | 163 | 160 | 174 |
| 65° | 128 | 123 | 113 | 105 | 103 | 127 |
| 75° | 66 | 62 | 57 | 53 | 52 | 71 |
| 85° | 15 | 14 | 14 | 12 | 12 | 18 |
| 90° | 0 | 0 | 0 | 1 | 1 | 2 |
| 95° | 33 | 10 | 10 | 7 | 6 | 42 |
| 105° | 175 | 182 | 18 | 21 | 22 | 184 |
| 115° | 331 | 338 | 341 | 345 | 198 | 325 |
| 125° | 470 | 478 | 479 | 487 | 493 | 420 |
| 135° | 592 | 599 | 598 | 602 | 609 | 456 |
| 145° | 692 | 698 | 693 | 694 | 703 | 433 |
| 155° | 769 | 774 | 765 | 764 | 774 | 355 |
| 165° | 820 | 822 | 814 | 810 | 819 | 232 |
| 175° | 844 | 846 | 835 | 830 | 834 | 80 |
| 180° | 840 | 840 | 840 | 840 | 840 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 454.4 | 454.4 | 454.4 | 454.4 | 454.4 |
| 2.5° | 451.4 | 456.8 | 452.8 | 453.3 | 454.1 |
| 5° | 448.9 | 455.0 | 449.6 | 449.6 | 452.7 |
| 7.5° | 445.7 | 451.4 | 444.6 | 443.4 | 446.2 |
| 10° | 441.2 | 447.0 | 440.2 | 437.8 | 439.8 |
| 12.5° | 435.4 | 440.9 | 434.3 | 430.5 | 432.3 |
| 15° | 425.9 | 429.6 | 423.1 | 419.0 | 419.6 |
| 17.5° | 415.6 | 417.9 | 408.5 | 405.0 | 404.3 |
| 20° | 407.8 | 409.8 | 398.8 | 393.9 | 393.2 |
| 22.5° | 397.8 | 399.5 | 387.9 | 381.9 | 380.9 |
| 25° | 382.7 | 383.1 | 372.0 | 363.6 | 361.5 |
| 27.5° | 367.0 | 365.9 | 353.6 | 343.6 | 341.0 |
| 30° | 355.6 | 354.2 | 339.9 | 329.5 | 327.1 |
| 32.5° | 343.4 | 340.9 | 326.6 | 315.3 | 312.9 |
| 35° | 325.3 | 321.6 | 306.5 | 294.7 | 291.9 |
| 37.5° | 306.1 | 301.9 | 287.1 | 274.2 | 271.1 |
| 40° | 293.3 | 288.6 | 273.5 | 260.5 | 257.5 |
| 42.5° | 280.5 | 275.2 | 259.9 | 246.9 | 243.6 |
| 45° | 260.6 | 255.2 | 239.7 | 227.1 | 223.7 |
| 47.5° | 241.7 | 234.7 | 219.8 | 207.2 | 203.8 |
| 50° | 228.6 | 221.1 | 206.7 | 194.4 | 191.0 |
| 52.5° | 215.2 | 207.5 | 193.6 | 181.9 | 178.5 |
| 55° | 194.9 | 187.7 | 174.0 | 163.1 | 160.1 |
| 57.5° | 174.7 | 167.8 | 155.3 | 144.9 | 141.9 |
| 60° | 160.8 | 155.0 | 143.0 | 133.2 | 130.5 |
| 62.5° | 147.4 | 142.2 | 130.8 | 121.8 | 119.1 |
| 65° | 127.7 | 122.9 | 112.7 | 104.7 | 102.6 |
| 67.5° | 108.6 | 103.8 | 95.5 | 88.3 | 86.0 |
| 70° | 96.0 | 91.3 | 83.9 | 77.2 | 75.2 |
| 72.5° | 84.1 | 79.0 | 73.0 | 66.9 | 65.4 |
| 75° | 66.1 | 62.0 | 57.4 | 52.9 | 51.5 |
| 77.5° | 50.2 | 46.3 | 42.9 | 39.7 | 39.4 |
| 80° | 39.7 | 36.3 | 33.8 | 31.7 | 31.3 |
| 82.5° | 29.6 | 27.1 | 25.4 | 23.9 | 23.8 |
| 85° | 15.3 | 14.3 | 13.9 | 12.2 | 11.5 |
| 87.5° | 4.5 | 4.5 | 3.9 | 3.5 | 3.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 |
| 92.5° | 9.2 | 3.5 | 2.4 | 3.5 | 3.5 |
| 95° | 33.4 | 9.7 | 10.3 | 6.7 | 6.1 |
| 97.5° | 69.4 | 15.6 | 14.9 | 16.4 | 17.0 |
| 100° | 96.6 | 31.8 | 16.4 | 18.8 | 19.4 |
| 102.5° | 126.7 | 119.9 | 16.9 | 20.3 | 21.4 |
| 105° | 174.9 | 181.5 | 18.2 | 21.3 | 22.5 |
| 107.5° | 222.3 | 228.9 | 84.8 | 22.0 | 23.2 |
| 110° | 253.9 | 260.4 | 268.5 | 22.5 | 23.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 283.5 | 291.5 | 297.6 | 50.1 | 24.7 |
| 115° | 331.0 | 338.2 | 341.4 | 345.3 | 198.0 |
| 117.5° | 373.0 | 381.8 | 385.4 | 392.2 | 398.8 |
| 120° | 402.1 | 410.4 | 413.1 | 419.9 | 427.0 |
| 122.5° | 430.8 | 438.2 | 439.8 | 447.6 | 454.2 |
| 125° | 470.2 | 478.5 | 478.7 | 486.7 | 493.2 |
| 127.5° | 509.5 | 516.6 | 516.3 | 522.3 | 529.6 |
| 130° | 535.8 | 540.5 | 540.6 | 545.6 | 553.4 |
| 132.5° | 557.6 | 564.3 | 564.4 | 568.5 | 576.2 |
| 135° | 591.6 | 598.8 | 597.7 | 601.5 | 609.3 |
| 137.5° | 623.6 | 630.5 | 628.6 | 631.8 | 639.7 |
| 140° | 644.5 | 650.4 | 647.5 | 650.8 | 659.7 |
| 142.5° | 663.9 | 669.9 | 665.5 | 668.3 | 677.6 |
| 145° | 692.5 | 697.8 | 693.1 | 693.9 | 702.8 |
| 147.5° | 717.9 | 723.1 | 717.4 | 718.2 | 726.5 |
| 150° | 734.4 | 739.1 | 732.0 | 732.7 | 741.1 |
| 152.5° | 749.0 | 753.2 | 745.6 | 745.4 | 755.2 |
| 155° | 769.0 | 773.8 | 765.4 | 763.8 | 774.5 |
| 157.5° | 787.2 | 791.6 | 783.2 | 782.1 | 790.4 |
| 160° | 799.4 | 802.3 | 793.9 | 792.3 | 800.6 |
| 162.5° | 807.6 | 811.1 | 802.7 | 800.1 | 808.4 |
| 165° | 820.0 | 822.4 | 814.0 | 810.5 | 818.8 |
| 167.5° | 830.7 | 833.5 | 822.6 | 819.5 | 828.4 |
| 170° | 837.0 | 838.8 | 827.9 | 823.9 | 832.8 |
| 172.5° | 840.9 | 842.2 | 831.3 | 826.7 | 832.8 |
| 175° | 844.3 | 846.1 | 835.2 | 829.8 | 834.0 |
| 177.5° | 844.9 | 845.9 | 837.6 | 832.9 | 840.1 |
| 180° | 840.1 | 840.1 | 840.1 | 840.1 | 840.1 |

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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 | 12.06 | 12.77 | 13.17 | 13.87 | 15.39 | 10.96 | 11.67 | 12.07 | 12.77 | 14.29 |
| | 3H | 13.70 | 14.33 | 14.81 | 15.44 | 16.98 | 12.48 | 13.11 | 13.60 | 14.22 | 15.76 |
| | 4H | 14.32 | 14.91 | 15.44 | 16.03 | 17.57 | 13.04 | 13.64 | 14.17 | 14.75 | 16.30 |
| | 6H | 14.71 | 15.26 | 15.85 | 16.38 | 17.93 | 13.41 | 13.96 | 14.54 | 15.07 | 16.63 |
| | 8H | 14.85 | 15.38 | 15.99 | 16.51 | 18.06 | 13.54 | 14.07 | 14.68 | 15.20 | 16.75 |
| | 12H | 14.92 | 15.42 | 16.07 | 16.54 | 18.12 | 13.60 | 14.10 | 14.74 | 15.22 | 16.80 |
| 4H | 2H | 12.45 | 13.05 | 13.59 | 14.16 | 15.71 | 11.58 | 12.18 | 12.71 | 13.29 | 14.83 |
| | 3H | 14.31 | 14.81 | 15.45 | 15.94 | 17.50 | 13.30 | 13.80 | 14.44 | 14.94 | 16.49 |
| | 4H | 15.05 | 15.50 | 16.19 | 16.63 | 18.21 | 13.97 | 14.42 | 15.11 | 15.55 | 17.13 |
| | 6H | 15.56 | 15.95 | 16.71 | 17.10 | 18.67 | 14.43 | 14.82 | 15.58 | 15.98 | 17.54 |
| | 8H | 15.76 | 16.12 | 16.91 | 17.27 | 18.85 | 14.62 | 14.98 | 15.77 | 16.13 | 17.71 |
| | 12H | 15.86 | 16.19 | 17.02 | 17.34 | 18.93 | 14.70 | 15.03 | 15.86 | 16.19 | 17.78 |
| 8H | 4H | 15.19 | 15.56 | 16.34 | 16.70 | 18.28 | 14.23 | 14.59 | 15.38 | 15.74 | 17.32 |
| | 6H | 15.83 | 16.13 | 17.00 | 17.31 | 18.89 | 14.82 | 15.13 | 15.99 | 16.31 | 17.89 |
| | 8H | 16.12 | 16.38 | 17.29 | 17.54 | 19.14 | 15.10 | 15.36 | 16.27 | 16.53 | 18.13 |
| | 12H | 16.28 | 16.51 | 17.46 | 17.67 | 19.31 | 15.24 | 15.47 | 16.42 | 16.63 | 18.27 |
| 12H | 4H | 15.16 | 15.49 | 16.33 | 16.65 | 18.24 | 14.22 | 14.55 | 15.39 | 15.71 | 17.30 |
| | 6H | 15.85 | 16.12 | 17.03 | 17.28 | 18.88 | 14.89 | 15.15 | 16.06 | 16.31 | 17.92 |
| | 8H | 16.16 | 16.40 | 17.34 | 17.56 | 19.19 | 15.19 | 15.42 | 16.36 | 16.58 | 18.21 |