

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: P1438859

Luminaire Tested: CB2-B-030U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438859
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-030U-055D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

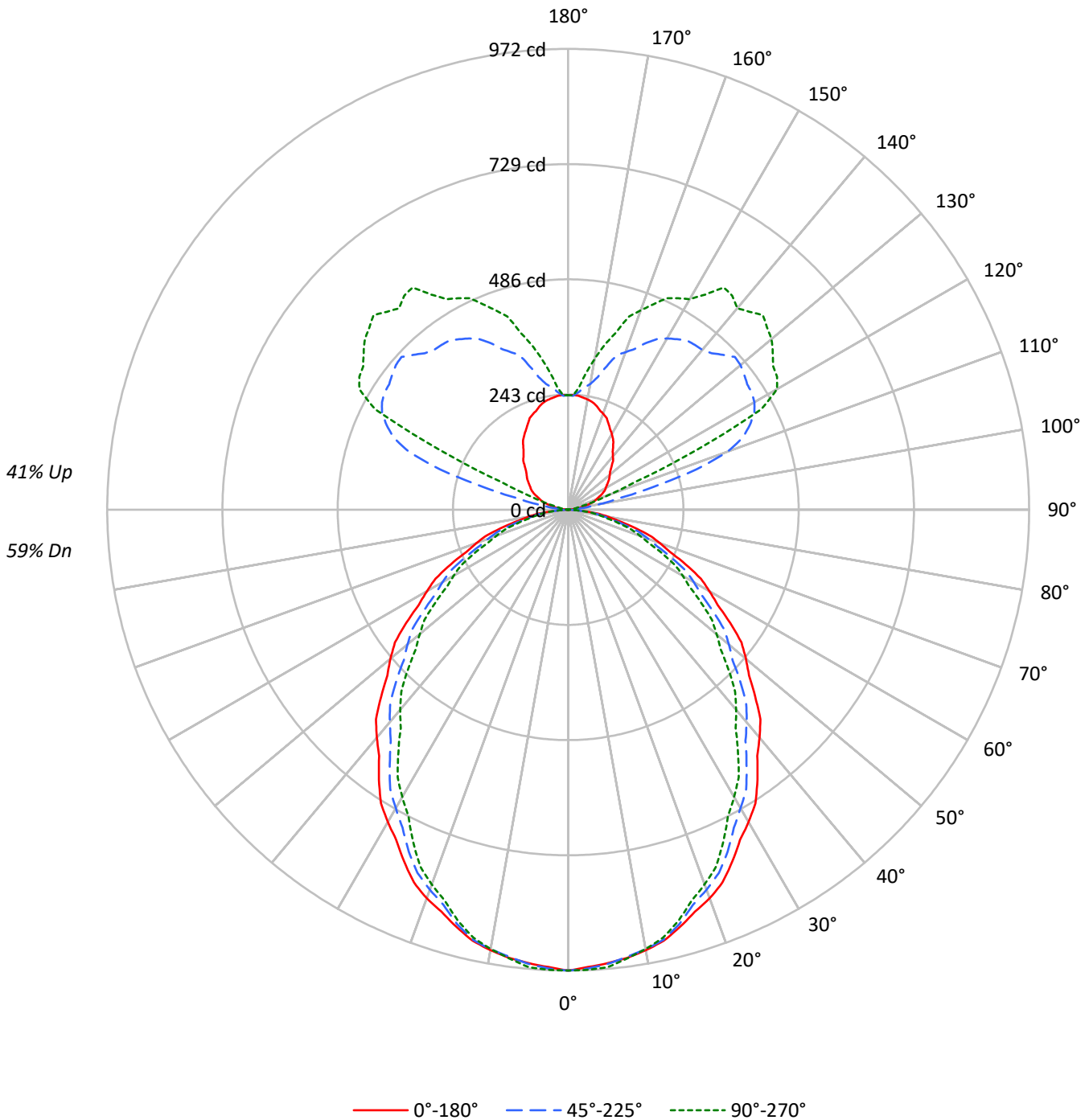
Lumens per Lamp: N/A
Luminaire Lumens: 3852.3 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 26.8
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 | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 76 | 76 | 76 | 64 | 64 | 64 | 59 |
| 1 | 100 | 96 | 92 | 88 | 93 | 89 | 86 | 83 | 78 | 75 | 73 | 67 | 65 | 64 | 57 | 56 | 55 | 50 |
| 2 | 91 | 84 | 78 | 73 | 85 | 78 | 73 | 69 | 68 | 64 | 61 | 59 | 56 | 53 | 51 | 48 | 46 | 42 |
| 3 | 83 | 74 | 67 | 61 | 78 | 69 | 63 | 58 | 61 | 56 | 51 | 52 | 49 | 45 | 45 | 42 | 40 | 36 |
| 4 | 76 | 66 | 58 | 52 | 71 | 62 | 54 | 49 | 54 | 48 | 44 | 47 | 43 | 39 | 40 | 37 | 34 | 31 |
| 5 | 70 | 59 | 50 | 44 | 65 | 55 | 48 | 42 | 48 | 43 | 38 | 42 | 38 | 34 | 36 | 33 | 30 | 27 |
| 6 | 65 | 53 | 45 | 39 | 60 | 50 | 42 | 37 | 44 | 38 | 33 | 38 | 34 | 30 | 33 | 30 | 27 | 24 |
| 7 | 60 | 48 | 40 | 34 | 56 | 45 | 38 | 33 | 40 | 34 | 30 | 35 | 30 | 27 | 30 | 27 | 24 | 21 |
| 8 | 56 | 43 | 36 | 30 | 52 | 41 | 34 | 29 | 36 | 31 | 26 | 32 | 27 | 24 | 28 | 24 | 21 | 19 |
| 9 | 52 | 40 | 32 | 27 | 49 | 38 | 31 | 26 | 33 | 28 | 24 | 30 | 25 | 22 | 26 | 22 | 19 | 17 |
| 10 | 49 | 37 | 29 | 24 | 46 | 35 | 28 | 23 | 31 | 25 | 22 | 27 | 23 | 20 | 24 | 20 | 18 | 16 |

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



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 91.4 | 2.4 |
| 10°-20° | 254.8 | 6.6 |
| 20°-30° | 366.4 | 9.5 |
| 30°-40° | 411.8 | 10.7 |
| 40°-50° | 397.8 | 10.3 |
| 50°-60° | 336.1 | 8.7 |
| 60°-70° | 241.4 | 6.3 |
| 70°-80° | 131.9 | 3.4 |
| 80°-90° | 35.0 | 0.9 |
| 90°-100° | 18.1 | 0.5 |
| 100°-110° | 112.0 | 2.9 |
| 110°-120° | 282.4 | 7.3 |
| 120°-130° | 339.5 | 8.8 |
| 130°-140° | 307.8 | 8.0 |
| 140°-150° | 245.4 | 6.4 |
| 150°-160° | 167.4 | 4.3 |
| 160°-170° | 88.5 | 2.3 |
| 170°-180° | 24.6 | 0.6 |
| 0°-30° | 712.6 | 18.5 |
| 0°-40° | 1124.4 | 29.2 |
| 0°-60° | 1858.2 | 48.2 |
| 0°-90° | 2266.6 | 58.8 |
| 90°-120° | 412.4 | 10.7 |
| 90°-150° | 1305.1 | 33.9 |
| 90°-180° | 1586.0 | 41.2 |
| 0°-180° | 3852.3 | 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 | 2 |
| 95° | 9 | 24 | 7 | 5 | 5 | 12 |
| 105° | 46 | 128 | 185 | 46 | 31 | 48 |
| 115° | 79 | 175 | 422 | 393 | 300 | 78 |
| 125° | 103 | 212 | 461 | 524 | 527 | 92 |
| 135° | 129 | 235 | 462 | 541 | 580 | 100 |
| 145° | 165 | 247 | 436 | 525 | 572 | 103 |
| 155° | 201 | 252 | 388 | 468 | 492 | 92 |
| 165° | 228 | 249 | 313 | 369 | 386 | 64 |
| 175° | 241 | 244 | 249 | 253 | 258 | 23 |
| 180° | 241 | 241 | 241 | 241 | 241 | |

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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° | 2.5 | 4.1 | 1.7 | 1.7 | 1.7 |
| 95° | 9.4 | 23.6 | 7.3 | 5.2 | 5.2 |
| 97.5° | 19.6 | 56.6 | 39.3 | 10.6 | 9.2 |
| 100° | 27.0 | 82.0 | 67.6 | 15.5 | 12.5 |
| 102.5° | 34.5 | 104.1 | 106.7 | 24.6 | 19.1 |
| 105° | 45.8 | 128.1 | 185.1 | 46.5 | 31.2 |
| 107.5° | 56.8 | 143.9 | 283.8 | 95.9 | 57.8 |
| 110° | 63.4 | 152.9 | 357.8 | 149.5 | 89.5 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 70.1 | 162.0 | 398.6 | 239.6 | 154.4 |
| 115° | 79.1 | 174.7 | 422.3 | 393.1 | 299.6 |
| 117.5° | 86.5 | 186.2 | 442.7 | 486.2 | 458.7 |
| 120° | 91.5 | 195.3 | 453.5 | 499.5 | 508.6 |
| 122.5° | 96.5 | 201.9 | 459.3 | 504.7 | 522.0 |
| 125° | 103.0 | 211.8 | 460.8 | 524.3 | 527.4 |
| 127.5° | 109.4 | 219.3 | 467.7 | 542.4 | 543.8 |
| 130° | 114.4 | 224.3 | 474.3 | 548.4 | 559.6 |
| 132.5° | 120.2 | 228.5 | 476.8 | 551.9 | 568.8 |
| 135° | 129.0 | 234.8 | 461.8 | 540.7 | 580.4 |
| 137.5° | 140.0 | 239.3 | 447.5 | 540.4 | 566.1 |
| 140° | 146.7 | 240.2 | 440.0 | 552.4 | 554.4 |
| 142.5° | 154.2 | 242.8 | 438.3 | 551.1 | 568.5 |
| 145° | 165.4 | 246.7 | 435.8 | 525.3 | 572.1 |
| 147.5° | 176.6 | 249.2 | 426.3 | 496.9 | 537.8 |
| 150° | 184.1 | 250.2 | 417.1 | 487.4 | 512.8 |
| 152.5° | 191.6 | 251.2 | 405.5 | 481.5 | 502.8 |
| 155° | 200.8 | 251.6 | 388.0 | 467.6 | 492.0 |
| 157.5° | 210.3 | 250.4 | 367.0 | 442.3 | 468.9 |
| 160° | 215.3 | 248.9 | 353.7 | 423.9 | 447.3 |
| 162.5° | 220.3 | 248.2 | 342.0 | 399.8 | 427.3 |
| 165° | 227.8 | 249.2 | 313.1 | 368.6 | 385.9 |
| 167.5° | 232.8 | 248.2 | 286.0 | 331.5 | 355.9 |
| 170° | 236.1 | 248.3 | 269.4 | 303.1 | 323.5 |
| 172.5° | 238.6 | 244.3 | 259.4 | 277.2 | 291.0 |
| 175° | 241.3 | 244.4 | 248.6 | 252.9 | 258.0 |
| 177.5° | 242.1 | 243.8 | 240.5 | 239.7 | 241.3 |
| 180° | 241.3 | 241.3 | 241.3 | 241.3 | 241.3 |



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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 | 17.61 | 18.54 | 18.49 | 19.44 | 20.58 | 16.51 | 17.44 | 17.39 | 18.34 | 19.48 |
| | 3H | 19.26 | 20.10 | 20.15 | 21.00 | 22.17 | 18.04 | 18.88 | 18.94 | 19.79 | 20.95 |
| | 4H | 19.89 | 20.68 | 20.80 | 21.60 | 22.77 | 18.62 | 19.41 | 19.53 | 20.32 | 21.50 |
| | 6H | 20.30 | 21.03 | 21.22 | 21.95 | 23.14 | 19.00 | 19.72 | 19.92 | 20.64 | 21.83 |
| | 8H | 20.45 | 21.14 | 21.38 | 22.08 | 23.27 | 19.14 | 19.83 | 20.07 | 20.77 | 21.96 |
| | 12H | 20.53 | 21.19 | 21.46 | 22.12 | 23.33 | 19.20 | 19.86 | 20.14 | 20.80 | 22.01 |
| 4H | 2H | 18.03 | 18.82 | 18.94 | 19.73 | 20.91 | 17.15 | 17.94 | 18.07 | 18.86 | 20.03 |
| | 3H | 19.90 | 20.56 | 20.83 | 21.51 | 22.70 | 18.90 | 19.55 | 19.82 | 20.50 | 21.69 |
| | 4H | 20.65 | 21.25 | 21.59 | 22.19 | 23.41 | 19.57 | 20.17 | 20.51 | 21.11 | 22.33 |
| | 6H | 21.18 | 21.69 | 22.12 | 22.66 | 23.87 | 20.05 | 20.57 | 21.00 | 21.53 | 22.75 |
| | 8H | 21.38 | 21.87 | 22.33 | 22.82 | 24.05 | 20.24 | 20.73 | 21.19 | 21.68 | 22.91 |
| | 12H | 21.49 | 21.93 | 22.46 | 22.90 | 24.14 | 20.33 | 20.77 | 21.30 | 21.75 | 22.98 |
| 8H | 4H | 20.81 | 21.30 | 21.76 | 22.26 | 23.49 | 19.85 | 20.33 | 20.80 | 21.29 | 22.52 |
| | 6H | 21.46 | 21.86 | 22.44 | 22.86 | 24.09 | 20.46 | 20.86 | 21.43 | 21.86 | 23.09 |
| | 8H | 21.75 | 22.10 | 22.74 | 23.09 | 24.34 | 20.73 | 21.09 | 21.72 | 22.08 | 23.32 |
| | 12H | 21.93 | 22.24 | 22.92 | 23.22 | 24.52 | 20.89 | 21.20 | 21.88 | 22.18 | 23.47 |
| 12H | 4H | 20.80 | 21.23 | 21.77 | 22.21 | 23.44 | 19.86 | 20.29 | 20.83 | 21.27 | 22.50 |
| | 6H | 21.49 | 21.84 | 22.47 | 22.83 | 24.08 | 20.52 | 20.88 | 21.51 | 21.86 | 23.11 |
| | 8H | 21.81 | 22.12 | 22.80 | 23.10 | 24.40 | 20.83 | 21.14 | 21.82 | 22.12 | 23.42 |