

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: P1439008

Luminaire Tested: CB2-D-030U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439008
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-030U-120D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

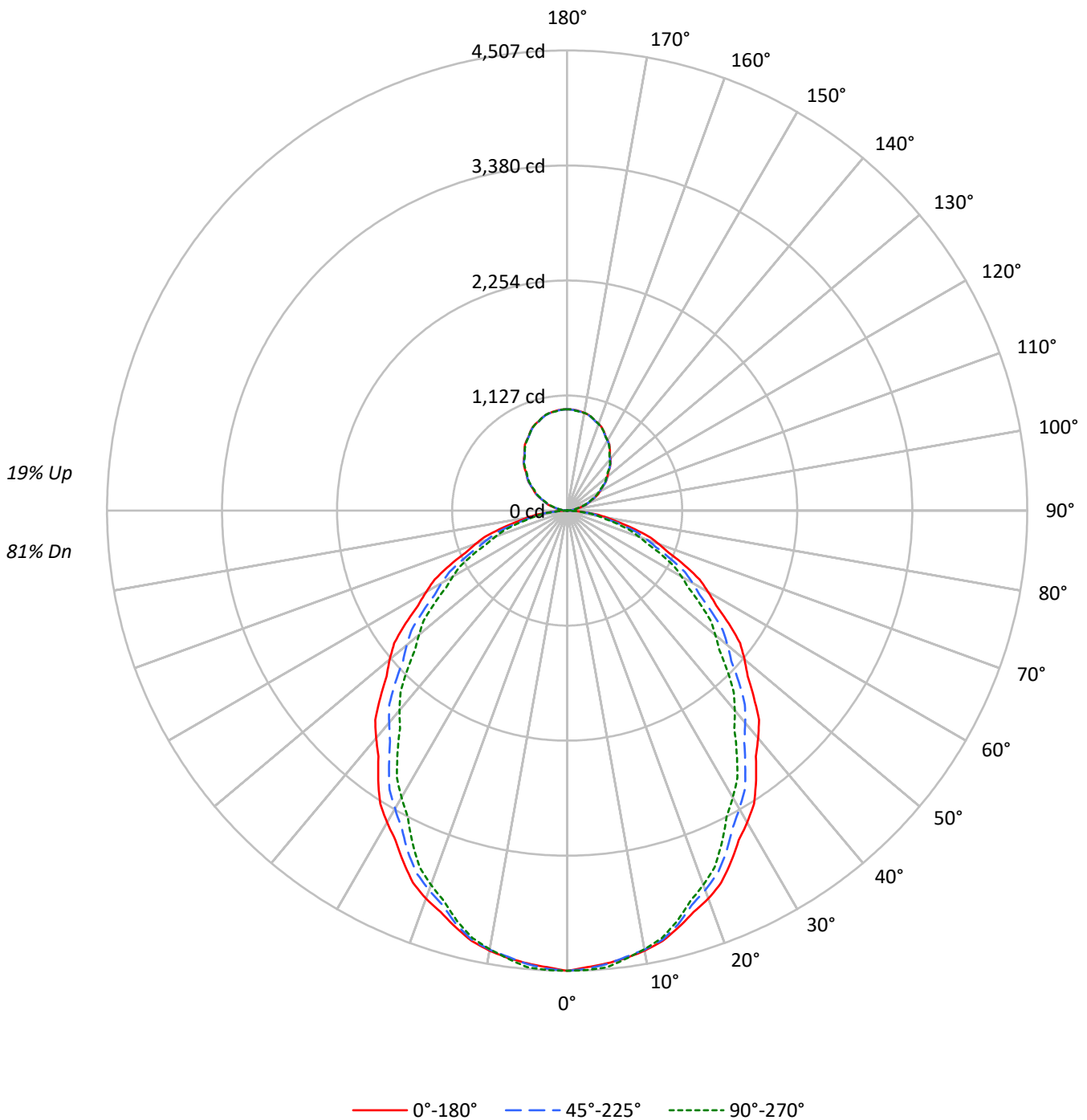
Lumens per Lamp: N/A
Luminaire Lumens: 13038.1 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 106.7
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 | 114 | 114 | 114 | 114 | 110 | 110 | 110 | 110 | 100 | 100 | 100 | 92 | 92 | 92 | 84 | 84 | 84 | 81 |
| 1 | 105 | 100 | 97 | 93 | 100 | 96 | 93 | 90 | 89 | 86 | 83 | 82 | 79 | 77 | 75 | 73 | 72 | 68 |
| 2 | 96 | 88 | 82 | 77 | 91 | 85 | 79 | 74 | 78 | 73 | 70 | 72 | 68 | 65 | 66 | 63 | 61 | 58 |
| 3 | 88 | 78 | 70 | 64 | 84 | 75 | 68 | 62 | 69 | 64 | 59 | 64 | 59 | 55 | 59 | 55 | 52 | 49 |
| 4 | 80 | 69 | 61 | 55 | 77 | 67 | 59 | 53 | 62 | 56 | 51 | 57 | 52 | 48 | 53 | 49 | 45 | 43 |
| 5 | 74 | 62 | 54 | 47 | 71 | 60 | 52 | 46 | 56 | 49 | 44 | 52 | 46 | 42 | 48 | 43 | 40 | 37 |
| 6 | 69 | 56 | 48 | 42 | 65 | 54 | 46 | 41 | 50 | 44 | 39 | 47 | 41 | 37 | 44 | 39 | 35 | 33 |
| 7 | 64 | 51 | 43 | 37 | 61 | 49 | 41 | 36 | 46 | 39 | 34 | 43 | 37 | 33 | 40 | 35 | 31 | 29 |
| 8 | 59 | 46 | 38 | 33 | 57 | 45 | 37 | 32 | 42 | 36 | 31 | 39 | 34 | 30 | 37 | 32 | 28 | 26 |
| 9 | 55 | 43 | 35 | 30 | 53 | 41 | 34 | 29 | 39 | 32 | 28 | 36 | 31 | 27 | 34 | 29 | 26 | 24 |
| 10 | 52 | 39 | 32 | 27 | 50 | 38 | 31 | 26 | 36 | 30 | 25 | 34 | 28 | 24 | 32 | 27 | 23 | 22 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 39253 | 39253 | 39253 |
| 5° | 38920 | 38980 | 39251 |
| 10° | 38699 | 38607 | 38577 |
| 15° | 38086 | 37837 | 37526 |
| 20° | 37485 | 36654 | 36143 |
| 25° | 36479 | 35451 | 34456 |
| 30° | 35469 | 33907 | 32623 |
| 35° | 34306 | 32325 | 30784 |
| 40° | 33075 | 30839 | 29034 |
| 45° | 31837 | 29286 | 27330 |
| 50° | 30721 | 27774 | 25670 |
| 55° | 29344 | 26200 | 24105 |
| 60° | 27772 | 24706 | 22542 |
| 65° | 26100 | 23042 | 20979 |
| 70° | 24253 | 21177 | 18982 |
| 75° | 22063 | 19162 | 17187 |
| 80° | 19729 | 16791 | 15577 |
| 85° | 15178 | 13789 | 11381 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31837 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 423.9 | 3.3 |
| 10°-20° | 1181.5 | 9.1 |
| 20°-30° | 1698.9 | 13.0 |
| 30°-40° | 1909.5 | 14.6 |
| 40°-50° | 1844.6 | 14.1 |
| 50°-60° | 1558.5 | 12.0 |
| 60°-70° | 1119.4 | 8.6 |
| 70°-80° | 611.8 | 4.7 |
| 80°-90° | 162.5 | 1.2 |
| 90°-100° | 38.3 | 0.3 |
| 100°-110° | 157.9 | 1.2 |
| 110°-120° | 286.6 | 2.2 |
| 120°-130° | 390.0 | 3.0 |
| 130°-140° | 450.3 | 3.5 |
| 140°-150° | 453.7 | 3.5 |
| 150°-160° | 391.6 | 3.0 |
| 160°-170° | 265.4 | 2.0 |
| 170°-180° | 93.6 | 0.7 |
| 0°-30° | 3304.2 | 25.3 |
| 0°-40° | 5213.7 | 40.0 |
| 0°-60° | 8616.8 | 66.1 |
| 0°-90° | 10510.6 | 80.6 |
| 90°-120° | 482.8 | 3.7 |
| 90°-150° | 1776.9 | 13.6 |
| 90°-180° | 2527.0 | 19.4 |
| 0°-180° | 13038.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 4507 | 4507 | 4507 | 4507 | 4507 | |
| 5° | 4452 | 4513 | 4459 | 4460 | 4490 | 423 |
| 15° | 4224 | 4261 | 4197 | 4155 | 4162 | 1191 |
| 25° | 3796 | 3800 | 3689 | 3606 | 3586 | 1748 |
| 35° | 3227 | 3190 | 3040 | 2923 | 2896 | 2016 |
| 45° | 2585 | 2531 | 2378 | 2253 | 2219 | 1997 |
| 55° | 1933 | 1862 | 1726 | 1618 | 1588 | 1728 |
| 65° | 1267 | 1219 | 1118 | 1038 | 1018 | 1256 |
| 75° | 656 | 615 | 570 | 524 | 511 | 701 |
| 85° | 152 | 142 | 138 | 121 | 114 | 181 |
| 90° | 0 | 0 | 1 | 0 | 1 | 7 |
| 95° | 37 | 33 | 31 | 24 | 24 | 43 |
| 105° | 156 | 154 | 150 | 141 | 140 | 166 |
| 115° | 297 | 296 | 291 | 282 | 281 | 293 |
| 125° | 441 | 446 | 437 | 428 | 428 | 394 |
| 135° | 588 | 595 | 585 | 574 | 578 | 453 |
| 145° | 729 | 737 | 726 | 718 | 723 | 455 |
| 155° | 853 | 861 | 849 | 844 | 850 | 392 |
| 165° | 942 | 952 | 940 | 935 | 943 | 265 |
| 175° | 987 | 998 | 985 | 979 | 981 | 94 |
| 180° | 991 | 991 | 991 | 991 | 991 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 4507.3 | 4507.3 | 4507.3 | 4507.3 | 4507.3 |
| 2.5° | 4476.9 | 4530.9 | 4490.7 | 4496.4 | 4504.5 |
| 5° | 4452.1 | 4512.8 | 4459.0 | 4459.7 | 4490.0 |
| 7.5° | 4420.3 | 4477.7 | 4410.0 | 4397.5 | 4425.9 |
| 10° | 4376.2 | 4433.5 | 4365.8 | 4342.1 | 4362.4 |
| 12.5° | 4318.2 | 4372.8 | 4307.8 | 4270.3 | 4287.8 |
| 15° | 4224.3 | 4261.4 | 4196.7 | 4155.4 | 4162.2 |
| 17.5° | 4122.1 | 4145.1 | 4051.7 | 4017.1 | 4010.3 |
| 20° | 4044.8 | 4065.1 | 3955.1 | 3906.6 | 3899.9 |
| 22.5° | 3945.4 | 3963.0 | 3847.4 | 3787.9 | 3778.4 |
| 25° | 3796.4 | 3799.7 | 3689.4 | 3606.1 | 3585.8 |
| 27.5° | 3640.4 | 3629.6 | 3507.1 | 3408.5 | 3382.2 |
| 30° | 3527.2 | 3513.7 | 3371.8 | 3267.8 | 3244.2 |
| 32.5° | 3405.7 | 3381.4 | 3239.3 | 3127.0 | 3103.3 |
| 35° | 3226.9 | 3189.8 | 3040.5 | 2922.6 | 2895.6 |
| 37.5° | 3036.4 | 2994.5 | 2848.0 | 2719.6 | 2689.2 |
| 40° | 2909.4 | 2862.1 | 2712.7 | 2584.3 | 2553.9 |
| 42.5° | 2782.4 | 2729.7 | 2577.4 | 2448.9 | 2415.9 |
| 45° | 2585.0 | 2531.0 | 2377.9 | 2252.9 | 2219.1 |
| 47.5° | 2397.2 | 2328.4 | 2179.8 | 2055.5 | 2021.7 |
| 50° | 2267.5 | 2193.2 | 2050.0 | 1928.5 | 1894.7 |
| 52.5° | 2134.9 | 2058.0 | 1920.3 | 1804.2 | 1770.5 |
| 55° | 1932.7 | 1861.8 | 1725.6 | 1617.9 | 1587.6 |
| 57.5° | 1732.5 | 1664.4 | 1539.9 | 1437.1 | 1407.4 |
| 60° | 1594.5 | 1537.1 | 1418.5 | 1321.2 | 1294.2 |
| 62.5° | 1461.9 | 1410.0 | 1297.0 | 1208.0 | 1181.0 |
| 65° | 1266.6 | 1219.4 | 1118.2 | 1038.4 | 1018.1 |
| 67.5° | 1076.8 | 1029.5 | 947.7 | 876.1 | 853.1 |
| 70° | 952.5 | 905.3 | 831.7 | 765.7 | 745.5 |
| 72.5° | 833.8 | 783.9 | 724.1 | 663.7 | 648.8 |
| 75° | 655.7 | 615.2 | 569.5 | 524.3 | 510.8 |
| 77.5° | 498.4 | 459.2 | 425.9 | 394.1 | 390.7 |
| 80° | 393.4 | 359.7 | 334.8 | 314.0 | 310.6 |
| 82.5° | 294.0 | 268.4 | 251.9 | 236.7 | 236.1 |
| 85° | 151.9 | 141.7 | 138.0 | 120.6 | 113.9 |
| 87.5° | 44.2 | 44.2 | 38.8 | 33.1 | 33.3 |
| 90° | 0.0 | 0.0 | 0.8 | 0.0 | 0.8 |
| 92.5° | 9.3 | 8.1 | 7.6 | 5.0 | 5.7 |
| 95° | 37.1 | 32.6 | 30.9 | 24.0 | 24.0 |
| 97.5° | 70.0 | 65.5 | 63.1 | 55.9 | 54.4 |
| 100° | 93.5 | 89.0 | 86.6 | 78.8 | 77.3 |
| 102.5° | 117.7 | 115.5 | 111.3 | 102.9 | 101.4 |
| 105° | 156.2 | 153.9 | 150.0 | 141.4 | 139.9 |
| 107.5° | 195.7 | 196.2 | 190.3 | 183.3 | 181.2 |
| 110° | 224.2 | 223.4 | 218.8 | 211.8 | 210.3 |

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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 253.2 | 251.9 | 247.2 | 240.2 | 238.7 |
| 115° | 296.8 | 296.1 | 290.7 | 282.1 | 281.4 |
| 117.5° | 338.3 | 340.7 | 334.3 | 325.3 | 325.0 |
| 120° | 368.0 | 371.0 | 363.3 | 355.6 | 354.0 |
| 122.5° | 397.0 | 400.7 | 393.0 | 384.0 | 384.3 |
| 125° | 441.4 | 445.9 | 436.8 | 427.5 | 428.3 |
| 127.5° | 484.2 | 489.8 | 481.3 | 471.9 | 472.8 |
| 130° | 513.3 | 520.1 | 511.0 | 501.0 | 502.5 |
| 132.5° | 543.0 | 549.8 | 540.7 | 530.0 | 532.8 |
| 135° | 588.3 | 595.1 | 585.2 | 574.4 | 578.2 |
| 137.5° | 630.9 | 637.7 | 626.9 | 617.9 | 622.4 |
| 140° | 659.4 | 666.2 | 654.8 | 646.4 | 650.9 |
| 142.5° | 687.2 | 695.2 | 683.2 | 674.2 | 680.0 |
| 145° | 729.0 | 737.3 | 725.9 | 717.5 | 722.8 |
| 147.5° | 768.5 | 776.9 | 765.3 | 757.2 | 762.7 |
| 150° | 793.9 | 802.2 | 790.0 | 783.2 | 789.3 |
| 152.5° | 817.4 | 826.9 | 814.2 | 807.4 | 815.2 |
| 155° | 852.6 | 861.0 | 848.8 | 843.5 | 850.3 |
| 157.5° | 883.3 | 892.9 | 880.8 | 876.3 | 881.7 |
| 160° | 903.7 | 912.7 | 900.6 | 896.1 | 902.1 |
| 162.5° | 919.1 | 928.8 | 917.3 | 912.2 | 919.4 |
| 165° | 942.3 | 952.1 | 940.0 | 934.8 | 943.1 |
| 167.5° | 960.6 | 971.0 | 958.7 | 953.3 | 961.8 |
| 170° | 971.7 | 981.5 | 968.6 | 962.6 | 971.7 |
| 172.5° | 979.1 | 989.5 | 976.0 | 970.0 | 976.0 |
| 175° | 987.2 | 997.7 | 984.8 | 978.7 | 981.0 |
| 177.5° | 991.0 | 999.5 | 989.2 | 983.8 | 991.0 |
| 180° | 991.0 | 991.0 | 991.0 | 991.0 | 991.0 |



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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 | 22.22 | 23.42 | 22.86 | 24.08 | 24.83 | 21.12 | 22.32 | 21.77 | 22.98 | 23.74 |
| | 3H | 23.89 | 24.97 | 24.55 | 25.64 | 26.43 | 22.67 | 23.75 | 23.33 | 24.42 | 25.21 |
| | 4H | 24.53 | 25.55 | 25.21 | 26.23 | 27.03 | 23.26 | 24.28 | 23.94 | 24.96 | 25.76 |
| | 6H | 24.95 | 25.89 | 25.64 | 26.58 | 27.40 | 23.65 | 24.59 | 24.34 | 25.28 | 26.10 |
| | 8H | 25.11 | 26.01 | 25.81 | 26.72 | 27.54 | 23.80 | 24.70 | 24.50 | 25.41 | 26.23 |
| | 12H | 25.20 | 26.05 | 25.90 | 26.75 | 27.60 | 23.87 | 24.73 | 24.58 | 25.43 | 26.28 |
| 4H | 2H | 22.67 | 23.69 | 23.35 | 24.37 | 25.17 | 21.80 | 22.81 | 22.48 | 23.49 | 24.30 |
| | 3H | 24.57 | 25.42 | 25.26 | 26.13 | 26.96 | 23.56 | 24.41 | 24.25 | 25.13 | 25.95 |
| | 4H | 25.33 | 26.10 | 26.04 | 26.82 | 27.67 | 24.25 | 25.02 | 24.96 | 25.74 | 26.59 |
| | 6H | 25.87 | 26.54 | 26.60 | 27.28 | 28.14 | 24.74 | 25.41 | 25.47 | 26.15 | 27.02 |
| | 8H | 26.08 | 26.70 | 26.81 | 27.44 | 28.32 | 24.94 | 25.56 | 25.67 | 26.30 | 27.18 |
| | 12H | 26.20 | 26.76 | 26.96 | 27.53 | 28.41 | 25.04 | 25.60 | 25.80 | 26.37 | 27.25 |
| 8H | 4H | 25.51 | 26.14 | 26.24 | 26.88 | 27.75 | 24.55 | 25.17 | 25.28 | 25.91 | 26.79 |
| | 6H | 26.17 | 26.68 | 26.93 | 27.47 | 28.34 | 25.17 | 25.68 | 25.93 | 26.47 | 27.34 |
| | 8H | 26.46 | 26.92 | 27.24 | 27.71 | 28.60 | 25.44 | 25.90 | 26.22 | 26.69 | 27.58 |
| | 12H | 26.65 | 27.06 | 27.43 | 27.83 | 28.78 | 25.61 | 26.02 | 26.39 | 26.79 | 27.74 |
| 12H | 4H | 25.51 | 26.07 | 26.26 | 26.83 | 27.71 | 24.57 | 25.13 | 25.32 | 25.89 | 26.77 |
| | 6H | 26.20 | 26.66 | 26.97 | 27.44 | 28.34 | 25.23 | 25.69 | 26.01 | 26.48 | 27.37 |
| | 8H | 26.53 | 26.94 | 27.31 | 27.71 | 28.66 | 25.55 | 25.96 | 26.33 | 26.73 | 27.69 |