

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: P1438636

Luminaire Tested: CB2-030U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438636
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: CB2-030U-120D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

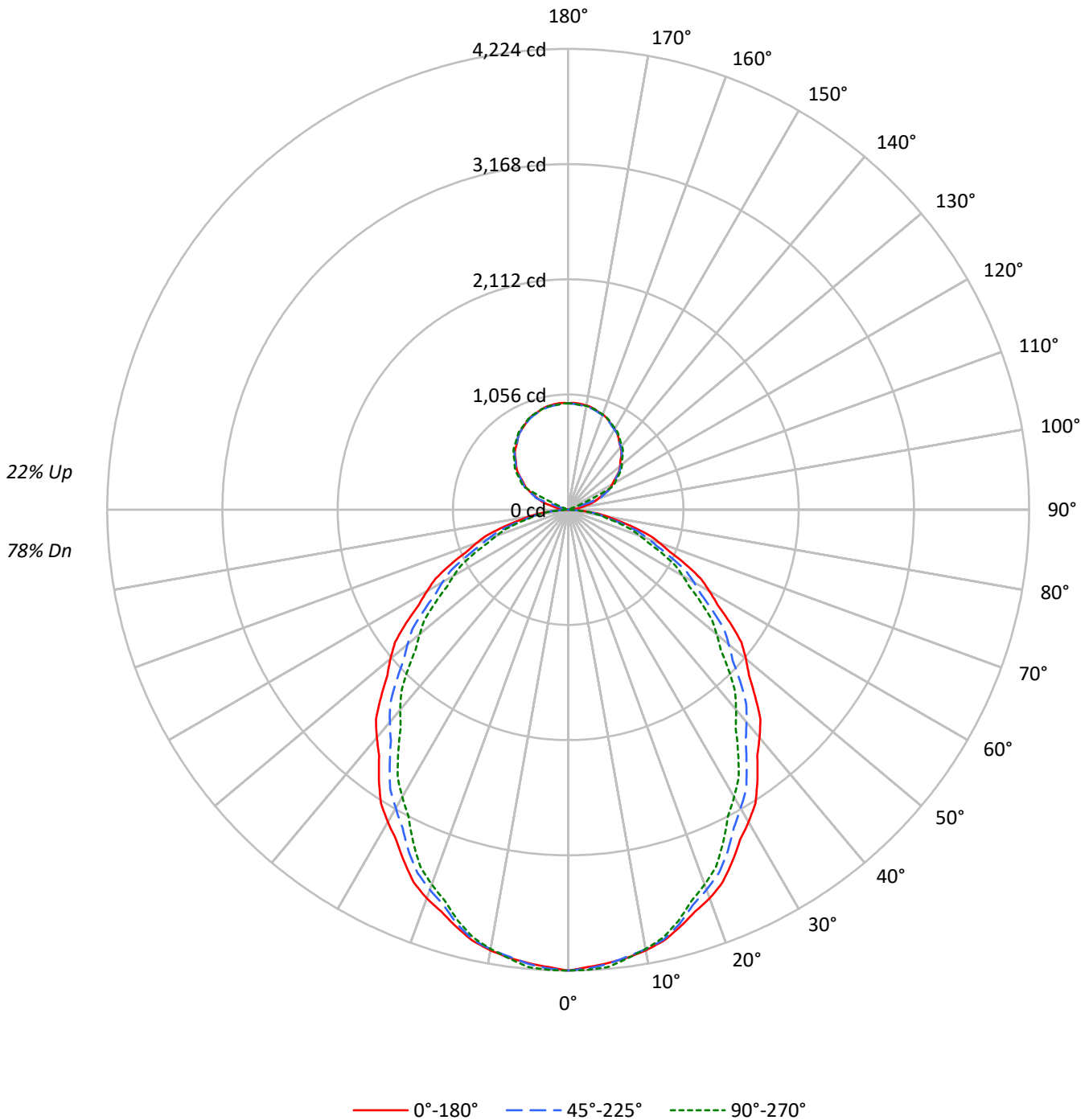
Lumens per Lamp: N/A
Luminaire Lumens: 12628.8 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 90 | 90 | 90 | 82 | 82 | 82 | 78 | | | | | 78 | | | |
| 1 | 104 | 100 | 96 | 92 | 99 | 96 | 92 | 89 | 87 | 85 | 82 | 80 | 78 | 76 | 73 | 71 | 70 | | | | | 66 | | | | |
| 2 | 95 | 88 | 81 | 76 | 91 | 84 | 78 | 73 | 77 | 72 | 68 | 70 | 67 | 64 | 64 | 62 | 59 | | | | | 56 | | | | |
| 3 | 87 | 77 | 70 | 64 | 83 | 74 | 67 | 62 | 68 | 63 | 58 | 63 | 58 | 54 | 57 | 54 | 51 | | | | | 48 | | | | |
| 4 | 80 | 69 | 61 | 54 | 76 | 66 | 59 | 53 | 61 | 55 | 50 | 56 | 51 | 47 | 51 | 47 | 44 | | | | | 41 | | | | |
| 5 | 74 | 62 | 53 | 47 | 70 | 59 | 52 | 46 | 55 | 48 | 43 | 51 | 45 | 41 | 47 | 42 | 39 | | | | | 36 | | | | |
| 6 | 68 | 56 | 47 | 41 | 65 | 54 | 46 | 40 | 50 | 43 | 38 | 46 | 40 | 36 | 42 | 38 | 34 | | | | | 32 | | | | |
| 7 | 63 | 50 | 42 | 36 | 60 | 49 | 41 | 36 | 45 | 39 | 34 | 42 | 36 | 32 | 39 | 34 | 31 | | | | | 28 | | | | |
| 8 | 59 | 46 | 38 | 33 | 56 | 44 | 37 | 32 | 41 | 35 | 30 | 39 | 33 | 29 | 36 | 31 | 27 | | | | | 25 | | | | |
| 9 | 55 | 42 | 35 | 29 | 52 | 41 | 34 | 29 | 38 | 32 | 27 | 36 | 30 | 26 | 33 | 28 | 25 | | | | | 23 | | | | |
| 10 | 52 | 39 | 32 | 27 | 49 | 38 | 31 | 26 | 35 | 29 | 25 | 33 | 28 | 24 | 31 | 26 | 23 | | | | | 21 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 36786 | 36786 | 36786 |
| 5° | 36475 | 36532 | 36786 |
| 10° | 36267 | 36181 | 36153 |
| 15° | 35693 | 35459 | 35168 |
| 20° | 35131 | 34351 | 33872 |
| 25° | 34187 | 33224 | 32291 |
| 30° | 33241 | 31777 | 30573 |
| 35° | 32151 | 30294 | 28850 |
| 40° | 30997 | 28901 | 27210 |
| 45° | 29837 | 27446 | 25613 |
| 50° | 28790 | 26029 | 24058 |
| 55° | 27501 | 24554 | 22589 |
| 60° | 26027 | 23153 | 21125 |
| 65° | 24460 | 21594 | 19661 |
| 70° | 22730 | 19848 | 17788 |
| 75° | 20677 | 17958 | 16107 |
| 80° | 18491 | 15732 | 14599 |
| 85° | 14219 | 12930 | 10662 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29837 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 397.2 | 3.1 |
| 10°-20° | 1107.3 | 8.8 |
| 20°-30° | 1592.1 | 12.6 |
| 30°-40° | 1789.5 | 14.2 |
| 40°-50° | 1728.7 | 13.7 |
| 50°-60° | 1460.6 | 11.6 |
| 60°-70° | 1049.1 | 8.3 |
| 70°-80° | 573.4 | 4.5 |
| 80°-90° | 152.3 | 1.2 |
| 90°-100° | 17.0 | 0.1 |
| 100°-110° | 108.1 | 0.9 |
| 110°-120° | 343.4 | 2.7 |
| 120°-130° | 498.3 | 3.9 |
| 130°-140° | 536.0 | 4.2 |
| 140°-150° | 504.6 | 4.0 |
| 150°-160° | 411.1 | 3.3 |
| 160°-170° | 267.6 | 2.1 |
| 170°-180° | 92.5 | 0.7 |
| 0°-30° | 3096.7 | 24.5 |
| 0°-40° | 4886.2 | 38.7 |
| 0°-60° | 8075.4 | 63.9 |
| 0°-90° | 9850.3 | 78.0 |
| 90°-120° | 468.5 | 3.7 |
| 90°-150° | 2007.4 | 15.9 |
| 90°-180° | 2779.0 | 22.0 |
| 0°-180° | 12628.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 4224 | 4224 | 4224 | 4224 | 4224 | |
| 5° | 4172 | 4229 | 4179 | 4180 | 4208 | 396 |
| 15° | 3959 | 3994 | 3933 | 3894 | 3901 | 1116 |
| 25° | 3558 | 3561 | 3458 | 3380 | 3360 | 1638 |
| 35° | 3024 | 2989 | 2850 | 2739 | 2714 | 1889 |
| 45° | 2423 | 2372 | 2228 | 2111 | 2080 | 1872 |
| 55° | 1811 | 1745 | 1617 | 1516 | 1488 | 1619 |
| 65° | 1187 | 1143 | 1048 | 973 | 954 | 1177 |
| 75° | 614 | 577 | 534 | 491 | 479 | 657 |
| 85° | 142 | 133 | 129 | 113 | 107 | 169 |
| 90° | 0 | 0 | 0 | 1 | 1 | 7 |
| 95° | 39 | 11 | 12 | 8 | 7 | 49 |
| 105° | 203 | 210 | 21 | 25 | 26 | 214 |
| 115° | 384 | 392 | 396 | 401 | 230 | 377 |
| 125° | 545 | 555 | 555 | 565 | 572 | 488 |
| 135° | 686 | 695 | 693 | 698 | 707 | 529 |
| 145° | 803 | 809 | 804 | 805 | 815 | 502 |
| 155° | 892 | 898 | 888 | 886 | 898 | 411 |
| 165° | 951 | 954 | 944 | 940 | 950 | 269 |
| 175° | 979 | 982 | 969 | 963 | 967 | 93 |
| 180° | 974 | 974 | 974 | 974 | 974 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 4224.1 | 4224.1 | 4224.1 | 4224.1 | 4224.1 |
| 2.5° | 4195.7 | 4246.3 | 4208.6 | 4214.0 | 4221.5 |
| 5° | 4172.4 | 4229.3 | 4178.9 | 4179.5 | 4208.0 |
| 7.5° | 4142.6 | 4196.4 | 4132.9 | 4121.2 | 4147.8 |
| 10° | 4101.2 | 4155.0 | 4091.5 | 4069.3 | 4088.3 |
| 12.5° | 4046.9 | 4098.1 | 4037.2 | 4002.0 | 4018.4 |
| 15° | 3958.9 | 3993.7 | 3933.0 | 3894.4 | 3900.7 |
| 17.5° | 3863.2 | 3884.7 | 3797.2 | 3764.7 | 3758.4 |
| 20° | 3790.7 | 3809.7 | 3706.6 | 3661.2 | 3654.9 |
| 22.5° | 3697.6 | 3714.0 | 3605.7 | 3549.9 | 3541.0 |
| 25° | 3557.8 | 3561.0 | 3457.6 | 3379.5 | 3360.5 |
| 27.5° | 3411.7 | 3401.5 | 3286.8 | 3194.4 | 3169.7 |
| 30° | 3305.6 | 3292.9 | 3160.0 | 3062.5 | 3040.3 |
| 32.5° | 3191.7 | 3168.9 | 3035.8 | 2930.5 | 2908.4 |
| 35° | 3024.2 | 2989.4 | 2849.5 | 2739.0 | 2713.7 |
| 37.5° | 2845.6 | 2806.4 | 2669.0 | 2548.7 | 2520.2 |
| 40° | 2726.6 | 2682.3 | 2542.2 | 2421.9 | 2393.5 |
| 42.5° | 2607.6 | 2558.2 | 2415.5 | 2295.1 | 2264.1 |
| 45° | 2422.6 | 2372.0 | 2228.5 | 2111.3 | 2079.7 |
| 47.5° | 2246.6 | 2182.1 | 2042.9 | 1926.3 | 1894.7 |
| 50° | 2125.0 | 2055.4 | 1921.2 | 1807.3 | 1775.7 |
| 52.5° | 2000.8 | 1928.7 | 1799.6 | 1690.9 | 1659.2 |
| 55° | 1811.3 | 1744.9 | 1617.2 | 1516.3 | 1487.8 |
| 57.5° | 1623.7 | 1559.8 | 1443.2 | 1346.8 | 1319.0 |
| 60° | 1494.3 | 1440.5 | 1329.3 | 1238.2 | 1212.9 |
| 62.5° | 1370.1 | 1321.4 | 1215.5 | 1132.1 | 1106.8 |
| 65° | 1187.0 | 1142.8 | 1047.9 | 973.1 | 954.1 |
| 67.5° | 1009.1 | 964.9 | 888.2 | 821.1 | 799.5 |
| 70° | 892.7 | 848.4 | 779.5 | 717.6 | 698.6 |
| 72.5° | 781.4 | 734.6 | 678.6 | 622.0 | 608.1 |
| 75° | 614.5 | 576.6 | 533.7 | 491.3 | 478.7 |
| 77.5° | 467.0 | 430.4 | 399.1 | 369.3 | 366.1 |
| 80° | 368.7 | 337.1 | 313.7 | 294.3 | 291.1 |
| 82.5° | 275.6 | 251.5 | 236.1 | 221.9 | 221.2 |
| 85° | 142.3 | 132.8 | 129.4 | 113.1 | 106.7 |
| 87.5° | 41.4 | 41.4 | 36.2 | 31.2 | 31.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 |
| 92.5° | 10.7 | 4.1 | 2.8 | 4.1 | 4.1 |
| 95° | 38.8 | 11.2 | 12.0 | 7.7 | 7.0 |
| 97.5° | 80.5 | 18.0 | 17.3 | 19.0 | 19.7 |
| 100° | 112.0 | 36.9 | 19.0 | 21.9 | 22.5 |
| 102.5° | 147.0 | 139.1 | 19.6 | 23.6 | 24.8 |
| 105° | 202.9 | 210.5 | 21.1 | 24.7 | 26.1 |
| 107.5° | 257.9 | 265.5 | 98.4 | 25.5 | 26.9 |
| 110° | 294.5 | 302.1 | 311.4 | 26.1 | 27.5 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 328.9 | 338.1 | 345.3 | 58.1 | 28.6 |
| 115° | 384.0 | 392.3 | 396.0 | 400.6 | 229.7 |
| 117.5° | 432.6 | 442.8 | 447.0 | 454.9 | 462.6 |
| 120° | 466.4 | 476.1 | 479.1 | 487.1 | 495.3 |
| 122.5° | 499.7 | 508.2 | 510.1 | 519.2 | 526.9 |
| 125° | 545.4 | 555.0 | 555.2 | 564.6 | 572.1 |
| 127.5° | 591.0 | 599.3 | 598.9 | 605.9 | 614.3 |
| 130° | 621.5 | 627.0 | 627.1 | 632.9 | 641.9 |
| 132.5° | 646.8 | 654.5 | 654.7 | 659.4 | 668.4 |
| 135° | 686.3 | 694.6 | 693.3 | 697.8 | 706.7 |
| 137.5° | 723.3 | 731.3 | 729.1 | 732.9 | 742.1 |
| 140° | 747.6 | 754.5 | 751.1 | 754.9 | 765.2 |
| 142.5° | 770.1 | 777.0 | 772.0 | 775.2 | 786.1 |
| 145° | 803.2 | 809.4 | 804.0 | 804.9 | 815.2 |
| 147.5° | 832.7 | 838.8 | 832.1 | 833.1 | 842.7 |
| 150° | 851.9 | 857.4 | 849.0 | 850.0 | 859.6 |
| 152.5° | 868.8 | 873.7 | 864.8 | 864.7 | 876.0 |
| 155° | 892.0 | 897.5 | 887.8 | 886.0 | 898.4 |
| 157.5° | 913.2 | 918.3 | 908.5 | 907.2 | 916.8 |
| 160° | 927.3 | 930.7 | 920.9 | 919.0 | 928.7 |
| 162.5° | 936.8 | 940.8 | 931.1 | 928.0 | 937.7 |
| 165° | 951.2 | 954.0 | 944.2 | 940.2 | 949.8 |
| 167.5° | 963.6 | 966.8 | 954.2 | 950.6 | 960.9 |
| 170° | 970.9 | 973.0 | 960.4 | 955.7 | 966.0 |
| 172.5° | 975.5 | 977.0 | 964.3 | 959.0 | 966.0 |
| 175° | 979.4 | 981.5 | 968.8 | 962.6 | 967.4 |
| 177.5° | 980.1 | 981.2 | 971.6 | 966.2 | 974.5 |
| 180° | 974.5 | 974.5 | 974.5 | 974.5 | 974.5 |



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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 | 21.80 | 22.97 | 22.48 | 23.66 | 24.47 | 20.70 | 21.87 | 21.38 | 22.56 | 23.37 |
| | 3H | 23.47 | 24.52 | 24.16 | 25.22 | 26.06 | 22.25 | 23.30 | 22.94 | 24.00 | 24.84 |
| | 4H | 24.11 | 25.10 | 24.82 | 25.81 | 26.66 | 22.84 | 23.83 | 23.55 | 24.54 | 25.39 |
| | 6H | 24.53 | 25.44 | 25.25 | 26.16 | 27.03 | 23.23 | 24.14 | 23.95 | 24.86 | 25.73 |
| | 8H | 24.69 | 25.55 | 25.42 | 26.30 | 27.17 | 23.38 | 24.24 | 24.11 | 24.98 | 25.85 |
| | 12H | 24.77 | 25.60 | 25.51 | 26.33 | 27.23 | 23.45 | 24.28 | 24.19 | 25.01 | 25.91 |
| 4H | 2H | 22.25 | 23.23 | 22.96 | 23.95 | 24.80 | 21.37 | 22.36 | 22.09 | 23.07 | 23.92 |
| | 3H | 24.14 | 24.97 | 24.87 | 25.72 | 26.59 | 23.14 | 23.96 | 23.86 | 24.71 | 25.58 |
| | 4H | 24.90 | 25.65 | 25.64 | 26.40 | 27.30 | 23.82 | 24.57 | 24.56 | 25.32 | 26.22 |
| | 6H | 25.44 | 26.09 | 26.20 | 26.86 | 27.77 | 24.31 | 24.96 | 25.07 | 25.74 | 26.64 |
| | 8H | 25.65 | 26.25 | 26.41 | 27.03 | 27.95 | 24.51 | 25.11 | 25.27 | 25.89 | 26.81 |
| | 12H | 25.77 | 26.31 | 26.55 | 27.11 | 28.04 | 24.61 | 25.15 | 25.40 | 25.95 | 26.88 |
| 8H | 4H | 25.08 | 25.69 | 25.85 | 26.46 | 27.38 | 24.12 | 24.72 | 24.88 | 25.49 | 26.42 |
| | 6H | 25.74 | 26.24 | 26.53 | 27.05 | 27.97 | 24.73 | 25.24 | 25.53 | 26.05 | 26.97 |
| | 8H | 26.03 | 26.47 | 26.83 | 27.29 | 28.23 | 25.01 | 25.46 | 25.82 | 26.27 | 27.21 |
| | 12H | 26.22 | 26.61 | 27.02 | 27.41 | 28.41 | 25.18 | 25.57 | 25.98 | 26.37 | 27.37 |
| 12H | 4H | 25.08 | 25.62 | 25.86 | 26.41 | 27.34 | 24.14 | 24.68 | 24.92 | 25.47 | 26.40 |
| | 6H | 25.77 | 26.21 | 26.57 | 27.03 | 27.97 | 24.80 | 25.25 | 25.60 | 26.06 | 27.00 |
| | 8H | 26.10 | 26.49 | 26.90 | 27.29 | 28.29 | 25.12 | 25.51 | 25.93 | 26.32 | 27.31 |