

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: P1439463

Luminaire Tested: CB3-B-085U-120D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439463
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-085U-120D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

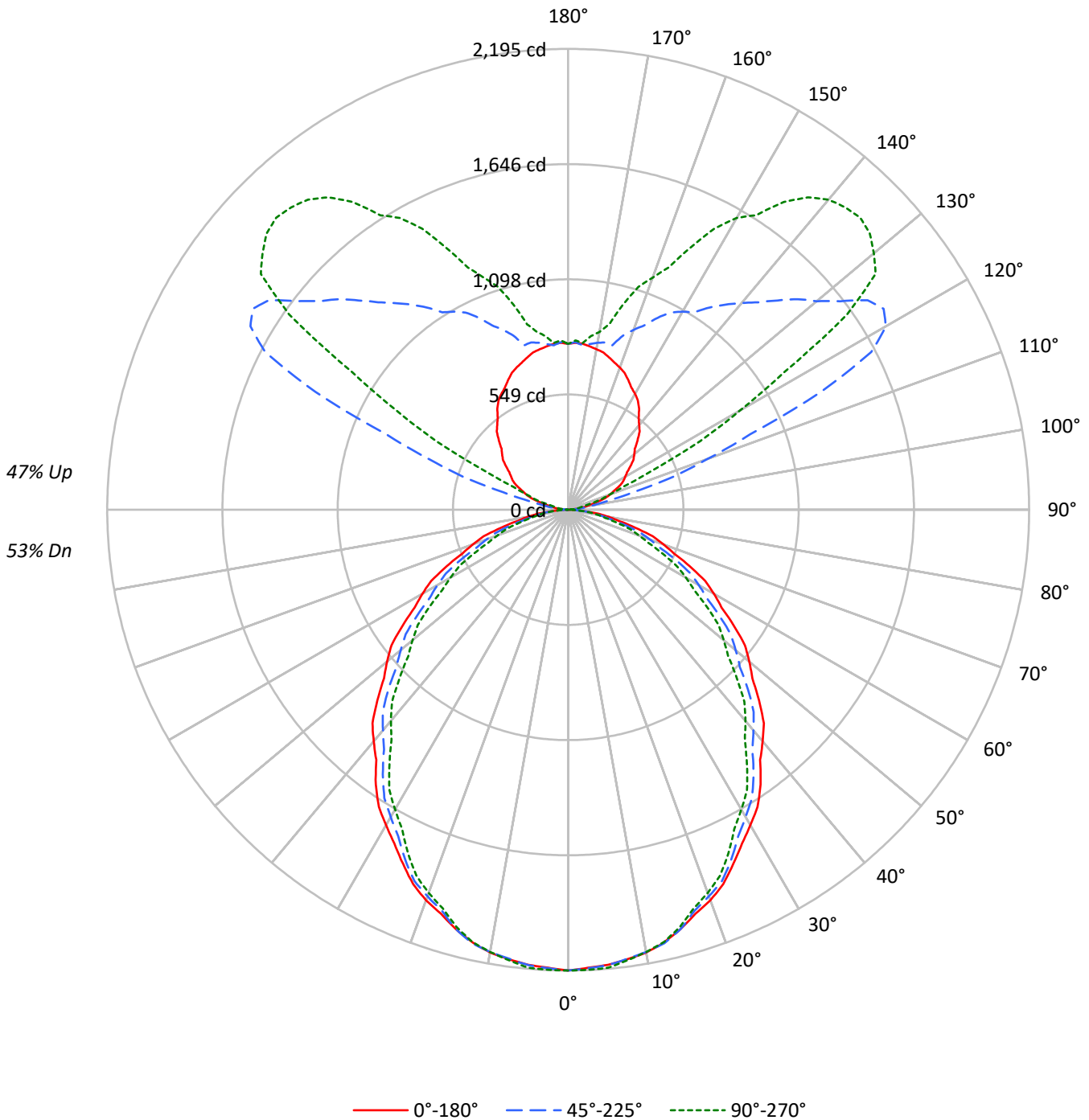
Lumens per Lamp: N/A
Luminaire Lumens: 9901.6 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 62
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





TEST NUMBER: P1439463

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF | 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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 59 | 59 | 59 | 53 | | | | | | | | | | | | | | | | | | | | |
| 1 | 99 | 94 | 91 | 87 | 91 | 88 | 84 | 81 | 75 | 72 | 70 | 63 | 61 | 60 | 52 | 51 | 50 | 45 | | | | | | | | | | | | | | | | | | | | |
| 2 | 90 | 83 | 77 | 71 | 83 | 77 | 72 | 67 | 66 | 62 | 58 | 56 | 53 | 50 | 46 | 44 | 43 | 38 | | | | | | | | | | | | | | | | | | | | |
| 3 | 82 | 73 | 66 | 60 | 76 | 68 | 61 | 56 | 58 | 53 | 49 | 49 | 46 | 43 | 41 | 39 | 36 | 32 | | | | | | | | | | | | | | | | | | | | |
| 4 | 75 | 65 | 57 | 51 | 70 | 60 | 53 | 48 | 52 | 46 | 42 | 44 | 40 | 37 | 37 | 34 | 32 | 28 | | | | | | | | | | | | | | | | | | | | |
| 5 | 69 | 58 | 50 | 44 | 64 | 54 | 47 | 41 | 47 | 41 | 37 | 40 | 35 | 32 | 33 | 30 | 28 | 24 | | | | | | | | | | | | | | | | | | | | |
| 6 | 64 | 52 | 44 | 38 | 59 | 48 | 41 | 36 | 42 | 36 | 32 | 36 | 32 | 28 | 30 | 27 | 24 | 22 | | | | | | | | | | | | | | | | | | | | |
| 7 | 59 | 47 | 39 | 33 | 55 | 44 | 37 | 32 | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 24 | 22 | 19 | | | | | | | | | | | | | | | | | | | | |
| 8 | 55 | 43 | 35 | 30 | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 30 | 26 | 22 | 26 | 22 | 20 | 17 | | | | | | | | | | | | | | | | | | | | |
| 9 | 51 | 39 | 31 | 26 | 47 | 37 | 30 | 25 | 32 | 26 | 23 | 28 | 23 | 20 | 24 | 20 | 18 | 16 | | | | | | | | | | | | | | | | | | | | |
| 10 | 48 | 36 | 29 | 24 | 44 | 34 | 27 | 23 | 29 | 24 | 20 | 26 | 21 | 18 | 22 | 19 | 16 | 14 | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 24834 | 24834 | 24834 |
| 5° | 24717 | 24734 | 24876 |
| 10° | 24609 | 24573 | 24573 |
| 15° | 24231 | 24231 | 24086 |
| 20° | 23838 | 23594 | 23388 |
| 25° | 23237 | 22945 | 22537 |
| 30° | 22668 | 22077 | 21548 |
| 35° | 22070 | 21252 | 20498 |
| 40° | 21275 | 20262 | 19387 |
| 45° | 20554 | 19381 | 18184 |
| 50° | 19811 | 18329 | 17013 |
| 55° | 19004 | 17312 | 15897 |
| 60° | 18133 | 16261 | 14639 |
| 65° | 17110 | 15068 | 13314 |
| 70° | 15935 | 13666 | 11860 |
| 75° | 14448 | 11996 | 10562 |
| 80° | 12595 | 10054 | 9344 |
| 85° | 9711 | 8503 | 8503 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20554 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 207.1 | 2.1 |
| 10°-20° | 581.8 | 5.9 |
| 20°-30° | 845.3 | 8.5 |
| 30°-40° | 961.1 | 9.7 |
| 40°-50° | 933.0 | 9.4 |
| 50°-60° | 787.7 | 8.0 |
| 60°-70° | 560.4 | 5.7 |
| 70°-80° | 299.4 | 3.0 |
| 80°-90° | 79.1 | 0.8 |
| 90°-100° | 53.4 | 0.5 |
| 100°-110° | 280.0 | 2.8 |
| 110°-120° | 704.7 | 7.1 |
| 120°-130° | 1087.2 | 11.0 |
| 130°-140° | 995.3 | 10.1 |
| 140°-150° | 734.6 | 7.4 |
| 150°-160° | 468.2 | 4.7 |
| 160°-170° | 246.5 | 2.5 |
| 170°-180° | 76.8 | 0.8 |
| 0°-30° | 1634.2 | 16.5 |
| 0°-40° | 2595.3 | 26.2 |
| 0°-60° | 4315.9 | 43.6 |
| 0°-90° | 5254.9 | 53.1 |
| 90°-120° | 1038.1 | 10.5 |
| 90°-150° | 3855.2 | 38.9 |
| 90°-180° | 4647.0 | 46.9 |
| 0°-180° | 9901.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2195 | 2195 | 2195 | 2195 | 2195 | |
| 5° | 2176 | 2204 | 2178 | 2175 | 2190 | 207 |
| 15° | 2069 | 2087 | 2069 | 2056 | 2056 | 583 |
| 25° | 1861 | 1867 | 1838 | 1813 | 1805 | 858 |
| 35° | 1598 | 1583 | 1539 | 1493 | 1484 | 996 |
| 45° | 1284 | 1265 | 1211 | 1153 | 1136 | 991 |
| 55° | 963 | 938 | 878 | 821 | 806 | 861 |
| 65° | 639 | 616 | 563 | 512 | 497 | 633 |
| 75° | 330 | 312 | 274 | 246 | 242 | 352 |
| 85° | 75 | 69 | 66 | 66 | 66 | 89 |
| 90° | 0 | 0 | 0 | 0 | 0 | 4 |
| 95° | 28 | 79 | 31 | 17 | 17 | 35 |
| 105° | 143 | 442 | 320 | 132 | 108 | 152 |
| 115° | 272 | 554 | 1330 | 578 | 438 | 264 |
| 125° | 362 | 559 | 1740 | 1754 | 1622 | 324 |
| 135° | 466 | 623 | 1410 | 1922 | 1966 | 360 |
| 145° | 588 | 680 | 1176 | 1636 | 1789 | 366 |
| 155° | 679 | 730 | 1009 | 1249 | 1378 | 313 |
| 165° | 752 | 772 | 811 | 948 | 1013 | 212 |
| 175° | 794 | 810 | 786 | 790 | 797 | 75 |
| 180° | 790 | 790 | 790 | 790 | 790 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2194.9 | 2194.9 | 2194.9 | 2194.9 | 2194.9 |
| 2.5° | 2183.7 | 2205.6 | 2186.2 | 2188.8 | 2193.6 |
| 5° | 2176.2 | 2203.6 | 2177.7 | 2175.0 | 2190.2 |
| 7.5° | 2159.4 | 2184.3 | 2157.5 | 2151.2 | 2165.0 |
| 10° | 2141.9 | 2169.3 | 2138.8 | 2131.2 | 2138.8 |
| 12.5° | 2110.7 | 2139.4 | 2115.1 | 2102.4 | 2108.8 |
| 15° | 2068.6 | 2086.9 | 2068.6 | 2056.2 | 2056.2 |
| 17.5° | 2017.2 | 2036.4 | 2001.9 | 1993.1 | 1989.7 |
| 20° | 1979.8 | 1996.5 | 1959.5 | 1946.9 | 1942.4 |
| 22.5° | 1929.9 | 1945.4 | 1914.6 | 1893.3 | 1887.5 |
| 25° | 1861.3 | 1867.4 | 1837.9 | 1812.8 | 1805.2 |
| 27.5° | 1792.4 | 1793.9 | 1753.4 | 1723.0 | 1712.9 |
| 30° | 1735.0 | 1736.6 | 1689.8 | 1656.9 | 1649.3 |
| 32.5° | 1677.7 | 1673.1 | 1628.7 | 1589.6 | 1584.4 |
| 35° | 1597.8 | 1582.6 | 1538.6 | 1493.2 | 1484.0 |
| 37.5° | 1501.5 | 1492.4 | 1440.4 | 1394.9 | 1381.2 |
| 40° | 1440.4 | 1425.2 | 1371.8 | 1326.3 | 1312.6 |
| 42.5° | 1379.3 | 1361.6 | 1307.0 | 1256.4 | 1241.5 |
| 45° | 1284.5 | 1264.7 | 1211.2 | 1153.2 | 1136.4 |
| 47.5° | 1189.1 | 1167.5 | 1108.7 | 1052.4 | 1033.8 |
| 50° | 1125.5 | 1102.6 | 1041.3 | 986.3 | 966.5 |
| 52.5° | 1060.7 | 1036.6 | 975.2 | 919.1 | 902.9 |
| 55° | 963.4 | 937.5 | 877.6 | 821.2 | 805.9 |
| 57.5° | 866.1 | 840.5 | 781.0 | 727.6 | 709.3 |
| 60° | 801.3 | 776.9 | 718.6 | 665.2 | 646.9 |
| 62.5° | 735.2 | 712.0 | 655.0 | 602.9 | 585.8 |
| 65° | 639.1 | 616.3 | 562.8 | 512.5 | 497.3 |
| 67.5° | 544.0 | 524.5 | 471.7 | 425.6 | 413.4 |
| 70° | 481.7 | 463.4 | 413.1 | 370.7 | 358.5 |
| 72.5° | 421.8 | 402.3 | 354.5 | 318.4 | 309.9 |
| 75° | 330.5 | 312.2 | 274.4 | 246.2 | 241.6 |
| 77.5° | 246.9 | 232.0 | 199.2 | 183.3 | 180.8 |
| 80° | 193.3 | 179.6 | 154.3 | 143.4 | 143.4 |
| 82.5° | 143.4 | 132.1 | 115.7 | 111.0 | 111.0 |
| 85° | 74.8 | 68.7 | 65.5 | 65.5 | 65.5 |
| 87.5° | 22.4 | 22.4 | 21.2 | 20.0 | 20.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 8.4 | 19.2 | 5.6 | 2.8 | 5.6 |
| 95° | 27.8 | 78.9 | 31.3 | 17.4 | 17.4 |
| 97.5° | 57.8 | 176.2 | 80.7 | 43.1 | 39.0 |
| 100° | 80.0 | 250.2 | 125.3 | 62.5 | 55.7 |
| 102.5° | 105.1 | 324.3 | 189.3 | 84.6 | 72.4 |
| 105° | 142.7 | 442.1 | 320.2 | 131.7 | 107.9 |
| 107.5° | 184.5 | 522.7 | 527.6 | 203.0 | 163.6 |
| 110° | 212.3 | 556.0 | 703.0 | 266.6 | 205.3 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|--------|--------|--------|
| 112.5° | 237.4 | 564.7 | 936.9 | 363.5 | 280.5 |
| 115° | 271.5 | 553.9 | 1329.5 | 578.0 | 438.5 |
| 117.5° | 296.5 | 527.2 | 1627.4 | 919.6 | 709.3 |
| 120° | 313.2 | 527.6 | 1747.1 | 1178.0 | 943.2 |
| 122.5° | 332.7 | 530.8 | 1780.5 | 1434.5 | 1218.8 |
| 125° | 361.9 | 559.3 | 1740.1 | 1754.5 | 1621.8 |
| 127.5° | 391.2 | 580.4 | 1631.6 | 1886.1 | 1844.5 |
| 130° | 410.7 | 594.4 | 1545.2 | 1930.9 | 1900.2 |
| 132.5° | 430.2 | 608.5 | 1484.0 | 1931.9 | 1947.6 |
| 135° | 466.4 | 622.9 | 1409.5 | 1922.1 | 1966.4 |
| 137.5° | 503.2 | 640.7 | 1339.9 | 1861.3 | 1953.1 |
| 140° | 525.5 | 654.8 | 1284.2 | 1795.4 | 1928.1 |
| 142.5° | 550.6 | 666.3 | 1231.3 | 1734.3 | 1875.2 |
| 145° | 588.2 | 680.0 | 1176.3 | 1635.7 | 1788.9 |
| 147.5° | 617.4 | 687.5 | 1114.4 | 1536.3 | 1662.9 |
| 150° | 636.9 | 687.9 | 1089.3 | 1447.9 | 1604.4 |
| 152.5° | 653.6 | 701.9 | 1058.7 | 1366.8 | 1509.7 |
| 155° | 678.7 | 729.7 | 1009.3 | 1248.9 | 1378.2 |
| 157.5° | 703.7 | 752.7 | 950.8 | 1160.9 | 1248.7 |
| 160° | 720.4 | 761.3 | 911.8 | 1118.5 | 1176.3 |
| 162.5° | 734.3 | 769.7 | 870.1 | 1046.3 | 1112.3 |
| 165° | 751.7 | 772.2 | 810.9 | 948.1 | 1012.8 |
| 167.5° | 767.7 | 778.0 | 815.8 | 851.8 | 904.2 |
| 170° | 776.1 | 786.3 | 807.4 | 842.6 | 859.6 |
| 172.5° | 784.5 | 800.1 | 796.3 | 820.3 | 834.6 |
| 175° | 793.5 | 810.5 | 786.5 | 790.2 | 797.0 |
| 177.5° | 795.6 | 803.8 | 798.4 | 798.6 | 806.7 |
| 180° | 790.0 | 790.0 | 790.0 | 790.0 | 790.0 |



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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 | 18.59 | 19.47 | 19.52 | 20.42 | 21.64 | 17.51 | 18.39 | 18.44 | 19.34 | 20.57 |
| | 3H | 20.26 | 21.04 | 21.20 | 22.00 | 23.25 | 18.93 | 19.71 | 19.87 | 20.67 | 21.92 |
| | 4H | 20.89 | 21.63 | 21.85 | 22.59 | 23.85 | 19.44 | 20.19 | 20.40 | 21.15 | 22.41 |
| | 6H | 21.27 | 21.96 | 22.24 | 22.93 | 24.20 | 19.76 | 20.45 | 20.73 | 21.42 | 22.69 |
| | 8H | 21.41 | 22.06 | 22.39 | 23.05 | 24.32 | 19.89 | 20.54 | 20.86 | 21.52 | 22.79 |
| | 12H | 21.48 | 22.10 | 22.46 | 23.08 | 24.37 | 19.96 | 20.58 | 20.94 | 21.56 | 22.86 |
| 4H | 2H | 19.00 | 19.74 | 19.96 | 20.71 | 21.97 | 18.14 | 18.89 | 19.11 | 19.85 | 21.11 |
| | 3H | 20.89 | 21.51 | 21.87 | 22.50 | 23.78 | 19.76 | 20.38 | 20.74 | 21.37 | 22.65 |
| | 4H | 21.64 | 22.21 | 22.62 | 23.19 | 24.49 | 20.37 | 20.93 | 21.35 | 21.92 | 23.22 |
| | 6H | 22.14 | 22.63 | 23.14 | 23.64 | 24.94 | 20.78 | 21.27 | 21.78 | 22.28 | 23.57 |
| | 8H | 22.34 | 22.79 | 23.33 | 23.79 | 25.10 | 20.95 | 21.41 | 21.95 | 22.41 | 23.72 |
| | 12H | 22.43 | 22.84 | 23.45 | 23.86 | 25.18 | 21.06 | 21.47 | 22.07 | 22.49 | 23.80 |
| 8H | 4H | 21.77 | 22.23 | 22.77 | 23.23 | 24.54 | 20.63 | 21.09 | 21.63 | 22.09 | 23.40 |
| | 6H | 22.39 | 22.77 | 23.41 | 23.81 | 25.12 | 21.16 | 21.54 | 22.18 | 22.58 | 23.89 |
| | 8H | 22.67 | 23.00 | 23.70 | 24.03 | 25.36 | 21.41 | 21.74 | 22.44 | 22.78 | 24.10 |
| | 12H | 22.83 | 23.12 | 23.86 | 24.15 | 25.52 | 21.59 | 21.88 | 22.62 | 22.91 | 24.28 |
| 12H | 4H | 21.74 | 22.16 | 22.76 | 23.17 | 24.49 | 20.63 | 21.05 | 21.65 | 22.06 | 23.38 |
| | 6H | 22.41 | 22.74 | 23.44 | 23.77 | 25.10 | 21.22 | 21.55 | 22.25 | 22.58 | 23.91 |
| | 8H | 22.71 | 23.00 | 23.74 | 24.02 | 25.40 | 21.50 | 21.79 | 22.53 | 22.82 | 24.19 |