

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: P1438941

Luminaire Tested: CB2-B-085U-120D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438941
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-085U-120D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

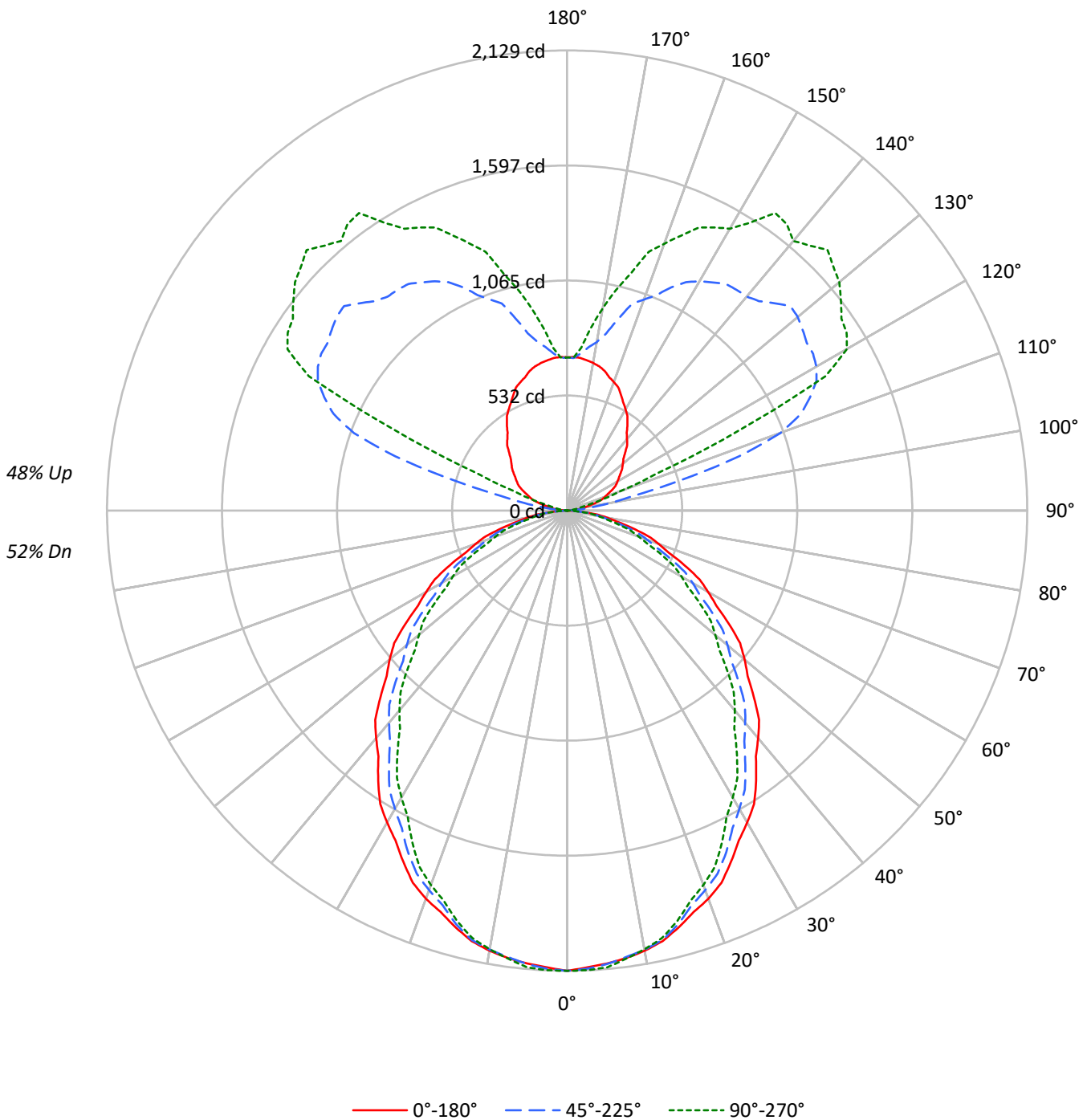
Lumens per Lamp: N/A
Luminaire Lumens: 9622.6 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 67.8
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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 108 | 108 | 108 | 108 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 | 52 | | | | |
| 1 | 98 | 94 | 90 | 87 | 91 | 87 | 84 | 81 | 74 | 72 | 70 | 62 | 61 | 59 | 51 | 50 | 49 | 44 | | | | |
| 2 | 90 | 82 | 76 | 71 | 83 | 76 | 71 | 67 | 65 | 61 | 58 | 55 | 52 | 50 | 45 | 43 | 42 | 37 | | | | |
| 3 | 82 | 73 | 65 | 60 | 75 | 67 | 61 | 56 | 58 | 53 | 49 | 49 | 45 | 42 | 40 | 38 | 36 | 32 | | | | |
| 4 | 75 | 64 | 57 | 51 | 69 | 60 | 53 | 48 | 51 | 46 | 42 | 43 | 39 | 36 | 36 | 33 | 31 | 27 | | | | |
| 5 | 69 | 57 | 49 | 43 | 64 | 54 | 46 | 41 | 46 | 40 | 36 | 39 | 35 | 32 | 33 | 30 | 27 | 24 | | | | |
| 6 | 64 | 52 | 44 | 38 | 59 | 48 | 41 | 36 | 42 | 36 | 32 | 35 | 31 | 28 | 30 | 26 | 24 | 21 | | | | |
| 7 | 59 | 47 | 39 | 33 | 54 | 44 | 37 | 31 | 38 | 32 | 28 | 32 | 28 | 25 | 27 | 24 | 21 | 19 | | | | |
| 8 | 55 | 42 | 35 | 29 | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 | 17 | | | | |
| 9 | 51 | 39 | 31 | 26 | 47 | 36 | 30 | 25 | 32 | 26 | 22 | 27 | 23 | 20 | 23 | 20 | 17 | 15 | | | | |
| 10 | 48 | 36 | 28 | 24 | 44 | 33 | 27 | 23 | 29 | 24 | 20 | 25 | 21 | 18 | 21 | 18 | 16 | 14 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 37088 | 37088 | 37088 |
| 5° | 36776 | 36832 | 37089 |
| 10° | 36566 | 36479 | 36451 |
| 15° | 35986 | 35752 | 35458 |
| 20° | 35421 | 34635 | 34151 |
| 25° | 34469 | 33497 | 32557 |
| 30° | 33514 | 32038 | 30825 |
| 35° | 32415 | 30544 | 29087 |
| 40° | 31252 | 29139 | 27434 |
| 45° | 30080 | 27671 | 25824 |
| 50° | 29026 | 26243 | 24254 |
| 55° | 27727 | 24758 | 22775 |
| 60° | 26241 | 23343 | 21298 |
| 65° | 24662 | 21773 | 19823 |
| 70° | 22916 | 20013 | 17936 |
| 75° | 20848 | 18102 | 16238 |
| 80° | 18646 | 15868 | 14714 |
| 85° | 14329 | 13030 | 10751 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30080 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 200.2 | 2.1 |
| 10°-20° | 558.2 | 5.8 |
| 20°-30° | 802.6 | 8.3 |
| 30°-40° | 902.1 | 9.4 |
| 40°-50° | 871.4 | 9.1 |
| 50°-60° | 736.3 | 7.7 |
| 60°-70° | 528.9 | 5.5 |
| 70°-80° | 289.1 | 3.0 |
| 80°-90° | 76.8 | 0.8 |
| 90°-100° | 53.1 | 0.6 |
| 100°-110° | 328.9 | 3.4 |
| 110°-120° | 829.3 | 8.6 |
| 120°-130° | 996.9 | 10.4 |
| 130°-140° | 903.9 | 9.4 |
| 140°-150° | 720.8 | 7.5 |
| 150°-160° | 491.7 | 5.1 |
| 160°-170° | 260.0 | 2.7 |
| 170°-180° | 72.4 | 0.8 |
| 0°-30° | 1561.1 | 16.2 |
| 0°-40° | 2463.2 | 25.6 |
| 0°-60° | 4070.9 | 42.3 |
| 0°-90° | 4965.6 | 51.6 |
| 90°-120° | 1211.3 | 12.6 |
| 90°-150° | 3832.9 | 39.8 |
| 90°-180° | 4657.0 | 48.4 |
| 0°-180° | 9622.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2129 | 2129 | 2129 | 2129 | 2129 | |
| 5° | 2103 | 2132 | 2107 | 2107 | 2121 | 200 |
| 15° | 1996 | 2013 | 1983 | 1963 | 1966 | 563 |
| 25° | 1794 | 1795 | 1743 | 1704 | 1694 | 826 |
| 35° | 1524 | 1507 | 1436 | 1381 | 1368 | 952 |
| 45° | 1221 | 1196 | 1123 | 1064 | 1048 | 944 |
| 55° | 913 | 880 | 815 | 764 | 750 | 816 |
| 65° | 598 | 576 | 528 | 491 | 481 | 593 |
| 75° | 310 | 291 | 269 | 248 | 241 | 331 |
| 85° | 72 | 67 | 65 | 57 | 54 | 85 |
| 90° | 0 | 0 | 0 | 0 | 0 | 4 |
| 95° | 28 | 69 | 21 | 15 | 15 | 35 |
| 105° | 134 | 376 | 544 | 136 | 92 | 141 |
| 115° | 232 | 513 | 1240 | 1155 | 880 | 228 |
| 125° | 302 | 622 | 1353 | 1540 | 1549 | 271 |
| 135° | 379 | 690 | 1356 | 1588 | 1705 | 294 |
| 145° | 486 | 725 | 1280 | 1543 | 1680 | 304 |
| 155° | 590 | 739 | 1140 | 1373 | 1445 | 271 |
| 165° | 669 | 732 | 920 | 1083 | 1133 | 188 |
| 175° | 709 | 718 | 730 | 743 | 758 | 67 |
| 180° | 709 | 709 | 709 | 709 | 709 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2129.4 | 2129.4 | 2129.4 | 2129.4 | 2129.4 |
| 2.5° | 2115.1 | 2140.6 | 2121.6 | 2124.3 | 2128.1 |
| 5° | 2103.4 | 2132.1 | 2106.6 | 2106.9 | 2121.3 |
| 7.5° | 2088.4 | 2115.5 | 2083.5 | 2077.6 | 2091.0 |
| 10° | 2067.5 | 2094.6 | 2062.6 | 2051.4 | 2061.0 |
| 12.5° | 2040.1 | 2065.9 | 2035.2 | 2017.5 | 2025.7 |
| 15° | 1995.7 | 2013.3 | 1982.7 | 1963.2 | 1966.4 |
| 17.5° | 1947.5 | 1958.3 | 1914.2 | 1897.8 | 1894.6 |
| 20° | 1911.0 | 1920.5 | 1868.6 | 1845.7 | 1842.5 |
| 22.5° | 1864.0 | 1872.3 | 1817.7 | 1789.5 | 1785.1 |
| 25° | 1793.6 | 1795.2 | 1743.0 | 1703.7 | 1694.1 |
| 27.5° | 1719.9 | 1714.8 | 1656.9 | 1610.3 | 1597.9 |
| 30° | 1666.4 | 1660.0 | 1593.0 | 1543.8 | 1532.7 |
| 32.5° | 1609.0 | 1597.5 | 1530.4 | 1477.3 | 1466.2 |
| 35° | 1524.5 | 1507.0 | 1436.5 | 1380.7 | 1368.0 |
| 37.5° | 1434.5 | 1414.8 | 1345.5 | 1284.8 | 1270.5 |
| 40° | 1374.5 | 1352.2 | 1281.6 | 1220.9 | 1206.6 |
| 42.5° | 1314.5 | 1289.6 | 1217.7 | 1157.0 | 1141.4 |
| 45° | 1221.2 | 1195.7 | 1123.4 | 1064.4 | 1048.4 |
| 47.5° | 1132.5 | 1100.0 | 1029.8 | 971.1 | 955.2 |
| 50° | 1071.2 | 1036.2 | 968.5 | 911.1 | 895.1 |
| 52.5° | 1008.6 | 972.3 | 907.2 | 852.4 | 836.4 |
| 55° | 913.1 | 879.6 | 815.3 | 764.4 | 750.0 |
| 57.5° | 818.5 | 786.3 | 727.5 | 679.0 | 664.9 |
| 60° | 753.3 | 726.2 | 670.1 | 624.2 | 611.4 |
| 62.5° | 690.7 | 666.1 | 612.7 | 570.7 | 558.0 |
| 65° | 598.4 | 576.1 | 528.3 | 490.6 | 481.0 |
| 67.5° | 508.7 | 486.4 | 447.7 | 413.9 | 403.1 |
| 70° | 450.0 | 427.7 | 393.0 | 361.8 | 352.2 |
| 72.5° | 393.9 | 370.3 | 342.1 | 313.6 | 306.5 |
| 75° | 309.8 | 290.7 | 269.0 | 247.7 | 241.3 |
| 77.5° | 235.4 | 217.0 | 201.2 | 186.2 | 184.6 |
| 80° | 185.9 | 169.9 | 158.2 | 148.3 | 146.7 |
| 82.5° | 138.9 | 126.8 | 119.0 | 111.8 | 111.5 |
| 85° | 71.7 | 67.0 | 65.2 | 57.0 | 53.8 |
| 87.5° | 20.9 | 20.9 | 18.3 | 15.7 | 15.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 7.3 | 12.1 | 4.9 | 4.9 | 4.9 |
| 95° | 27.5 | 69.3 | 21.4 | 15.3 | 15.3 |
| 97.5° | 57.4 | 166.2 | 115.5 | 31.1 | 26.9 |
| 100° | 79.4 | 240.7 | 198.6 | 45.6 | 36.7 |
| 102.5° | 101.4 | 305.7 | 313.4 | 72.3 | 56.2 |
| 105° | 134.4 | 376.4 | 543.8 | 136.5 | 91.6 |
| 107.5° | 166.8 | 422.5 | 833.4 | 281.6 | 169.9 |
| 110° | 186.4 | 449.2 | 1050.9 | 439.0 | 262.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|--------|--------|--------|
| 112.5° | 205.9 | 475.9 | 1170.6 | 703.7 | 453.4 |
| 115° | 232.2 | 513.0 | 1240.3 | 1154.6 | 879.8 |
| 117.5° | 254.2 | 546.9 | 1300.2 | 1427.9 | 1347.2 |
| 120° | 268.8 | 573.5 | 1331.9 | 1467.0 | 1493.9 |
| 122.5° | 283.5 | 593.0 | 1349.1 | 1482.2 | 1533.0 |
| 125° | 302.4 | 622.1 | 1353.3 | 1539.9 | 1548.8 |
| 127.5° | 321.4 | 644.0 | 1373.5 | 1592.9 | 1597.1 |
| 130° | 336.0 | 658.6 | 1393.0 | 1610.7 | 1643.5 |
| 132.5° | 353.1 | 671.0 | 1400.4 | 1620.8 | 1670.4 |
| 135° | 378.8 | 689.5 | 1356.4 | 1588.2 | 1704.6 |
| 137.5° | 411.2 | 702.7 | 1314.2 | 1587.2 | 1662.5 |
| 140° | 430.7 | 705.6 | 1292.2 | 1622.3 | 1628.3 |
| 142.5° | 452.7 | 713.2 | 1287.3 | 1618.4 | 1669.8 |
| 145° | 485.7 | 724.7 | 1280.0 | 1542.8 | 1680.2 |
| 147.5° | 518.7 | 732.0 | 1251.9 | 1459.3 | 1579.4 |
| 150° | 540.7 | 734.9 | 1225.0 | 1431.4 | 1506.1 |
| 152.5° | 562.7 | 737.8 | 1190.8 | 1414.0 | 1476.7 |
| 155° | 589.6 | 739.0 | 1139.5 | 1373.3 | 1445.0 |
| 157.5° | 617.7 | 735.4 | 1077.8 | 1298.9 | 1377.2 |
| 160° | 632.4 | 730.9 | 1038.7 | 1244.9 | 1313.6 |
| 162.5° | 647.0 | 728.9 | 1004.5 | 1174.3 | 1255.0 |
| 165° | 669.0 | 731.8 | 919.5 | 1082.6 | 1133.4 |
| 167.5° | 683.7 | 729.1 | 840.1 | 973.7 | 1045.4 |
| 170° | 693.5 | 729.3 | 791.2 | 890.3 | 950.1 |
| 172.5° | 700.8 | 717.5 | 761.9 | 814.1 | 854.8 |
| 175° | 708.7 | 717.7 | 730.1 | 742.7 | 757.6 |
| 177.5° | 711.2 | 716.0 | 706.3 | 704.0 | 708.7 |
| 180° | 708.7 | 708.7 | 708.7 | 708.7 | 708.7 |



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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 | 19.70 | 20.57 | 20.65 | 21.53 | 22.78 | 18.60 | 19.47 | 19.55 | 20.43 | 21.68 |
| | 3H | 21.35 | 22.12 | 22.30 | 23.09 | 24.36 | 20.13 | 20.91 | 21.09 | 21.87 | 23.15 |
| | 4H | 21.98 | 22.71 | 22.95 | 23.68 | 24.96 | 20.70 | 21.44 | 21.68 | 22.41 | 23.69 |
| | 6H | 22.38 | 23.05 | 23.36 | 24.03 | 25.33 | 21.08 | 21.75 | 22.06 | 22.73 | 24.02 |
| | 8H | 22.53 | 23.17 | 23.52 | 24.17 | 25.46 | 21.22 | 21.86 | 22.21 | 22.85 | 24.14 |
| | 12H | 22.60 | 23.21 | 23.60 | 24.20 | 25.52 | 21.28 | 21.89 | 22.27 | 22.88 | 24.19 |
| 4H | 2H | 20.11 | 20.84 | 21.09 | 21.82 | 23.10 | 19.24 | 19.97 | 20.21 | 20.94 | 22.22 |
| | 3H | 21.98 | 22.59 | 22.97 | 23.60 | 24.89 | 20.97 | 21.58 | 21.96 | 22.59 | 23.88 |
| | 4H | 22.73 | 23.29 | 23.72 | 24.28 | 25.60 | 21.65 | 22.20 | 22.64 | 23.20 | 24.52 |
| | 6H | 23.25 | 23.73 | 24.25 | 24.75 | 26.06 | 22.12 | 22.60 | 23.13 | 23.62 | 24.94 |
| | 8H | 23.45 | 23.90 | 24.46 | 24.91 | 26.24 | 22.31 | 22.76 | 23.32 | 23.77 | 25.10 |
| | 12H | 23.56 | 23.96 | 24.59 | 24.99 | 26.33 | 22.40 | 22.80 | 23.43 | 23.83 | 25.17 |
| 8H | 4H | 22.88 | 23.33 | 23.89 | 24.35 | 25.68 | 21.92 | 22.37 | 22.93 | 23.38 | 24.71 |
| | 6H | 23.53 | 23.90 | 24.56 | 24.95 | 26.28 | 22.53 | 22.90 | 23.56 | 23.95 | 25.28 |
| | 8H | 23.82 | 24.14 | 24.86 | 25.18 | 26.53 | 22.80 | 23.13 | 23.84 | 24.17 | 25.51 |
| | 12H | 23.99 | 24.28 | 25.04 | 25.31 | 26.70 | 22.95 | 23.24 | 23.99 | 24.27 | 25.66 |
| 12H | 4H | 22.86 | 23.27 | 23.89 | 24.30 | 25.63 | 21.92 | 22.33 | 22.95 | 23.36 | 24.69 |
| | 6H | 23.55 | 23.88 | 24.60 | 24.92 | 26.27 | 22.59 | 22.91 | 23.63 | 23.96 | 25.30 |
| | 8H | 23.87 | 24.16 | 24.92 | 25.19 | 26.59 | 22.89 | 23.18 | 23.94 | 24.22 | 25.61 |