

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: P1439085

Luminaire Tested: CB2-D-125U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439085
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-125U-055D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

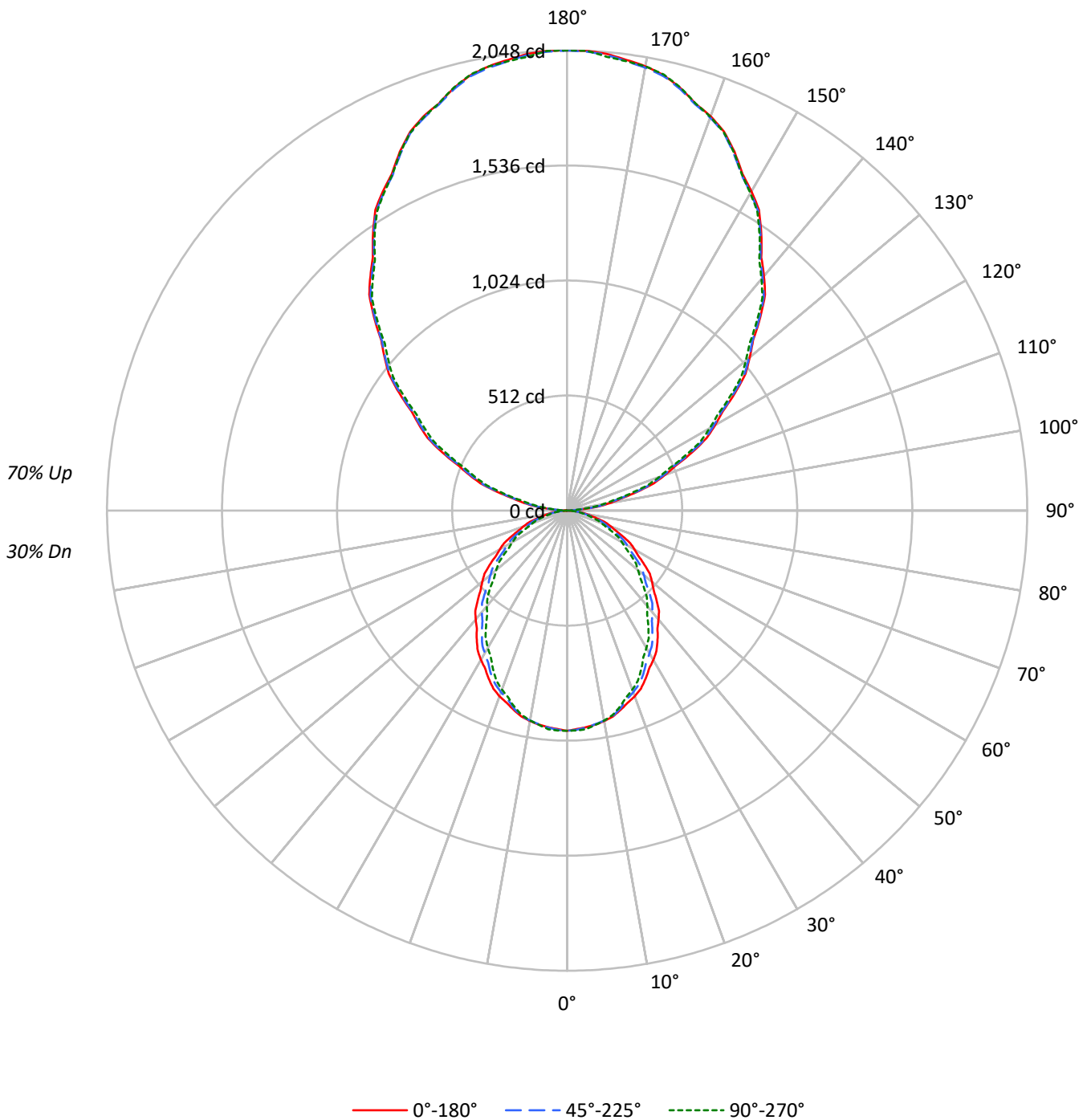
Lumens per Lamp: N/A
Luminaire Lumens: 7508.0 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 57.5
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: P1439085

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 102 | 102 | 102 | 102 | 92 | 92 | 92 | 92 | 72 | 72 | 72 | 55 | 55 | 55 | 38 | 38 | 38 | 30 | | | | | | 30 | | | | | | | | | | | | | |
| 1 | 94 | 89 | 86 | 82 | 84 | 80 | 77 | 74 | 64 | 61 | 60 | 48 | 47 | 46 | 34 | 33 | 32 | 26 | | | | | | 26 | | | | | | | | | | | | | |
| 2 | 85 | 78 | 72 | 67 | 76 | 70 | 65 | 61 | 56 | 52 | 49 | 42 | 40 | 38 | 30 | 29 | 27 | 22 | | | | | | 22 | | | | | | | | | | | | | |
| 3 | 78 | 69 | 62 | 56 | 70 | 62 | 56 | 51 | 49 | 45 | 42 | 38 | 35 | 32 | 27 | 25 | 23 | 19 | | | | | | 19 | | | | | | | | | | | | | |
| 4 | 71 | 61 | 53 | 47 | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 33 | 30 | 28 | 24 | 22 | 20 | 16 | | | | | | 16 | | | | | | | | | | | | | |
| 5 | 65 | 54 | 46 | 41 | 58 | 49 | 42 | 37 | 39 | 34 | 31 | 30 | 27 | 24 | 21 | 19 | 18 | 14 | | | | | | 14 | | | | | | | | | | | | | |
| 6 | 60 | 48 | 41 | 35 | 54 | 44 | 37 | 32 | 35 | 30 | 27 | 27 | 24 | 21 | 20 | 17 | 16 | 12 | | | | | | 12 | | | | | | | | | | | | | |
| 7 | 55 | 44 | 36 | 31 | 50 | 40 | 33 | 28 | 32 | 27 | 23 | 25 | 21 | 19 | 18 | 16 | 14 | 11 | | | | | | 11 | | | | | | | | | | | | | |
| 8 | 51 | 39 | 32 | 27 | 46 | 36 | 29 | 25 | 29 | 24 | 21 | 22 | 19 | 17 | 16 | 14 | 12 | 10 | | | | | | 10 | | | | | | | | | | | | | |
| 9 | 48 | 36 | 29 | 24 | 43 | 33 | 26 | 22 | 26 | 22 | 18 | 21 | 17 | 15 | 15 | 13 | 11 | 9 | | | | | | 9 | | | | | | | | | | | | | |
| 10 | 45 | 33 | 26 | 21 | 40 | 30 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 13 | 14 | 12 | 10 | 8 | | | | | | 8 | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 17069 | 17069 | 17069 |
| 5° | 16924 | 16951 | 17070 |
| 10° | 16828 | 16788 | 16775 |
| 15° | 16562 | 16454 | 16319 |
| 20° | 16302 | 15938 | 15716 |
| 25° | 15862 | 15417 | 14984 |
| 30° | 15424 | 14744 | 14187 |
| 35° | 14918 | 14057 | 13387 |
| 40° | 14383 | 13410 | 12626 |
| 45° | 13843 | 12735 | 11885 |
| 50° | 13359 | 12077 | 11164 |
| 55° | 12760 | 11393 | 10482 |
| 60° | 12077 | 10743 | 9802 |
| 65° | 11350 | 10019 | 9125 |
| 70° | 10547 | 9207 | 8255 |
| 75° | 9596 | 8331 | 7477 |
| 80° | 8576 | 7302 | 6770 |
| 85° | 6595 | 5995 | 4956 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13843 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 92.2 | 1.2 |
| 10°-20° | 256.9 | 3.4 |
| 20°-30° | 369.4 | 4.9 |
| 30°-40° | 415.2 | 5.5 |
| 40°-50° | 401.1 | 5.3 |
| 50°-60° | 338.9 | 4.5 |
| 60°-70° | 243.4 | 3.2 |
| 70°-80° | 133.0 | 1.8 |
| 80°-90° | 35.4 | 0.5 |
| 90°-100° | 79.1 | 1.1 |
| 100°-110° | 326.3 | 4.3 |
| 110°-120° | 592.3 | 7.9 |
| 120°-130° | 806.0 | 10.7 |
| 130°-140° | 930.4 | 12.4 |
| 140°-150° | 937.6 | 12.5 |
| 150°-160° | 809.1 | 10.8 |
| 160°-170° | 548.4 | 7.3 |
| 170°-180° | 193.4 | 2.6 |
| 0°-30° | 718.4 | 9.6 |
| 0°-40° | 1133.6 | 15.1 |
| 0°-60° | 1873.5 | 25.0 |
| 0°-90° | 2285.4 | 30.4 |
| 90°-120° | 997.7 | 13.3 |
| 90°-150° | 3671.6 | 48.9 |
| 90°-180° | 5223.0 | 69.6 |
| 0°-180° | 7508.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 980 | 980 | 980 | 980 | 980 | |
| 5° | 968 | 981 | 970 | 970 | 976 | 92 |
| 15° | 918 | 926 | 912 | 904 | 905 | 259 |
| 25° | 825 | 826 | 802 | 784 | 780 | 380 |
| 35° | 702 | 694 | 661 | 635 | 630 | 438 |
| 45° | 562 | 550 | 517 | 490 | 482 | 434 |
| 55° | 420 | 405 | 375 | 352 | 345 | 376 |
| 65° | 275 | 265 | 243 | 226 | 221 | 273 |
| 75° | 143 | 134 | 124 | 114 | 111 | 153 |
| 85° | 33 | 31 | 30 | 26 | 25 | 39 |
| 90° | 0 | 0 | 2 | 0 | 2 | 4 |
| 95° | 77 | 67 | 64 | 50 | 50 | 89 |
| 105° | 323 | 318 | 310 | 292 | 289 | 342 |
| 115° | 613 | 612 | 601 | 583 | 581 | 605 |
| 125° | 912 | 922 | 902 | 883 | 885 | 814 |
| 135° | 1216 | 1230 | 1209 | 1187 | 1195 | 936 |
| 145° | 1506 | 1524 | 1500 | 1483 | 1494 | 941 |
| 155° | 1762 | 1779 | 1754 | 1743 | 1757 | 810 |
| 165° | 1947 | 1968 | 1942 | 1932 | 1949 | 548 |
| 175° | 2040 | 2062 | 2035 | 2022 | 2027 | 194 |
| 180° | 2048 | 2048 | 2048 | 2048 | 2048 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 980.0 | 980.0 | 980.0 | 980.0 | 980.0 |
| 2.5° | 973.4 | 985.1 | 976.4 | 977.6 | 979.4 |
| 5° | 968.0 | 981.2 | 969.5 | 969.7 | 976.3 |
| 7.5° | 961.1 | 973.6 | 958.8 | 956.1 | 962.3 |
| 10° | 951.5 | 964.0 | 949.2 | 944.1 | 948.5 |
| 12.5° | 938.9 | 950.8 | 936.6 | 928.5 | 932.3 |
| 15° | 918.5 | 926.5 | 912.5 | 903.5 | 905.0 |
| 17.5° | 896.3 | 901.3 | 881.0 | 873.4 | 872.0 |
| 20° | 879.5 | 883.9 | 859.9 | 849.4 | 847.9 |
| 22.5° | 857.8 | 861.7 | 836.5 | 823.6 | 821.5 |
| 25° | 825.4 | 826.2 | 802.2 | 784.1 | 779.7 |
| 27.5° | 791.5 | 789.2 | 762.5 | 741.1 | 735.4 |
| 30° | 766.9 | 764.0 | 733.1 | 710.5 | 705.4 |
| 32.5° | 740.5 | 735.2 | 704.3 | 679.9 | 674.8 |
| 35° | 701.6 | 693.5 | 661.1 | 635.4 | 629.6 |
| 37.5° | 660.2 | 651.1 | 619.2 | 591.3 | 584.7 |
| 40° | 632.6 | 622.3 | 589.8 | 561.9 | 555.3 |
| 42.5° | 605.0 | 593.5 | 560.4 | 532.5 | 525.3 |
| 45° | 562.0 | 550.3 | 517.0 | 489.8 | 482.5 |
| 47.5° | 521.2 | 506.3 | 473.9 | 446.9 | 439.6 |
| 50° | 493.0 | 476.9 | 445.7 | 419.3 | 412.0 |
| 52.5° | 464.2 | 447.5 | 417.5 | 392.3 | 385.0 |
| 55° | 420.2 | 404.8 | 375.2 | 351.8 | 345.2 |
| 57.5° | 376.7 | 361.9 | 334.8 | 312.5 | 306.0 |
| 60° | 346.7 | 334.2 | 308.4 | 287.3 | 281.4 |
| 62.5° | 317.9 | 306.6 | 282.0 | 262.7 | 256.8 |
| 65° | 275.4 | 265.1 | 243.1 | 225.8 | 221.4 |
| 67.5° | 234.1 | 223.8 | 206.1 | 190.5 | 185.5 |
| 70° | 207.1 | 196.8 | 180.8 | 166.5 | 162.1 |
| 72.5° | 181.3 | 170.4 | 157.4 | 144.3 | 141.1 |
| 75° | 142.6 | 133.8 | 123.8 | 114.0 | 111.1 |
| 77.5° | 108.4 | 99.8 | 92.6 | 85.7 | 84.9 |
| 80° | 85.5 | 78.2 | 72.8 | 68.3 | 67.5 |
| 82.5° | 63.9 | 58.4 | 54.8 | 51.5 | 51.3 |
| 85° | 33.0 | 30.8 | 30.0 | 26.2 | 24.8 |
| 87.5° | 9.6 | 9.6 | 8.7 | 7.2 | 7.5 |
| 90° | 0.0 | 0.0 | 1.6 | 0.0 | 1.6 |
| 92.5° | 19.2 | 16.7 | 15.7 | 10.3 | 11.8 |
| 95° | 76.7 | 67.3 | 63.9 | 49.5 | 49.5 |
| 97.5° | 144.7 | 135.3 | 130.3 | 115.6 | 112.5 |
| 100° | 193.3 | 183.9 | 178.9 | 162.9 | 159.7 |
| 102.5° | 243.1 | 238.7 | 230.0 | 212.7 | 209.6 |
| 105° | 322.7 | 318.0 | 309.9 | 292.2 | 289.1 |
| 107.5° | 404.5 | 405.4 | 393.3 | 378.8 | 374.4 |
| 110° | 463.2 | 461.7 | 452.1 | 437.6 | 434.5 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 523.3 | 520.5 | 510.8 | 496.4 | 493.3 |
| 115° | 613.4 | 611.8 | 600.6 | 583.0 | 581.4 |
| 117.5° | 699.0 | 704.0 | 690.7 | 672.2 | 671.5 |
| 120° | 760.3 | 766.6 | 750.8 | 734.7 | 731.6 |
| 122.5° | 820.4 | 827.9 | 812.1 | 793.6 | 794.2 |
| 125° | 912.1 | 921.5 | 902.5 | 883.4 | 884.9 |
| 127.5° | 1000.6 | 1012.1 | 994.5 | 975.1 | 976.9 |
| 130° | 1060.6 | 1074.7 | 1055.9 | 1035.2 | 1038.3 |
| 132.5° | 1122.0 | 1136.0 | 1117.2 | 1095.3 | 1100.9 |
| 135° | 1215.6 | 1229.6 | 1209.2 | 1187.0 | 1194.8 |
| 137.5° | 1303.8 | 1317.8 | 1295.5 | 1276.8 | 1286.2 |
| 140° | 1362.5 | 1376.6 | 1353.0 | 1335.6 | 1345.0 |
| 142.5° | 1420.1 | 1436.6 | 1411.7 | 1393.2 | 1405.0 |
| 145° | 1506.3 | 1523.5 | 1499.9 | 1482.6 | 1493.5 |
| 147.5° | 1588.1 | 1605.3 | 1581.4 | 1564.7 | 1576.0 |
| 150° | 1640.5 | 1657.7 | 1632.5 | 1618.4 | 1630.9 |
| 152.5° | 1689.1 | 1708.7 | 1682.3 | 1668.3 | 1684.6 |
| 155° | 1761.9 | 1779.1 | 1753.9 | 1743.0 | 1757.1 |
| 157.5° | 1825.1 | 1845.1 | 1820.0 | 1810.7 | 1822.0 |
| 160° | 1867.3 | 1886.1 | 1860.9 | 1851.6 | 1864.1 |
| 162.5° | 1899.3 | 1919.3 | 1895.4 | 1884.9 | 1899.9 |
| 165° | 1947.2 | 1967.5 | 1942.4 | 1931.6 | 1948.8 |
| 167.5° | 1984.9 | 2006.4 | 1981.0 | 1969.9 | 1987.4 |
| 170° | 2007.9 | 2028.2 | 2001.5 | 1989.1 | 2007.9 |
| 172.5° | 2023.2 | 2044.8 | 2016.8 | 2004.3 | 2016.8 |
| 175° | 2039.8 | 2061.7 | 2035.0 | 2022.4 | 2027.1 |
| 177.5° | 2047.8 | 2065.3 | 2044.0 | 2032.8 | 2047.8 |
| 180° | 2047.8 | 2047.8 | 2047.8 | 2047.8 | 2047.8 |



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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 | 14.70 | 15.40 | 15.81 | 16.51 | 18.03 | 13.60 | 14.30 | 14.71 | 15.41 | 16.94 |
| | 3H | 16.33 | 16.96 | 17.45 | 18.08 | 19.62 | 15.12 | 15.75 | 16.24 | 16.86 | 18.40 |
| | 4H | 16.95 | 17.55 | 18.08 | 18.67 | 20.21 | 15.68 | 16.28 | 16.81 | 17.39 | 18.94 |
| | 6H | 17.35 | 17.90 | 18.49 | 19.01 | 20.57 | 16.05 | 16.60 | 17.18 | 17.71 | 19.27 |
| | 8H | 17.49 | 18.02 | 18.63 | 19.15 | 20.70 | 16.18 | 16.70 | 17.32 | 17.84 | 19.39 |
| | 12H | 17.56 | 18.06 | 18.71 | 19.18 | 20.76 | 16.24 | 16.74 | 17.38 | 17.86 | 19.44 |
| 4H | 2H | 15.09 | 15.69 | 16.23 | 16.80 | 18.35 | 14.22 | 14.81 | 15.35 | 15.93 | 17.48 |
| | 3H | 16.94 | 17.44 | 18.09 | 18.58 | 20.14 | 15.94 | 16.43 | 17.08 | 17.57 | 19.14 |
| | 4H | 17.68 | 18.14 | 18.83 | 19.27 | 20.85 | 16.60 | 17.06 | 17.75 | 18.19 | 19.77 |
| | 6H | 18.20 | 18.59 | 19.35 | 19.74 | 21.31 | 17.07 | 17.46 | 18.22 | 18.61 | 20.19 |
| | 8H | 18.40 | 18.76 | 19.55 | 19.91 | 21.49 | 17.26 | 17.62 | 18.41 | 18.77 | 20.35 |
| | 12H | 18.49 | 18.83 | 19.66 | 19.98 | 21.57 | 17.34 | 17.67 | 18.50 | 18.82 | 20.42 |
| 8H | 4H | 17.83 | 18.19 | 18.98 | 19.34 | 20.93 | 16.87 | 17.23 | 18.02 | 18.37 | 19.96 |
| | 6H | 18.46 | 18.77 | 19.63 | 19.95 | 21.54 | 17.46 | 17.76 | 18.63 | 18.95 | 20.53 |
| | 8H | 18.75 | 19.02 | 19.93 | 20.18 | 21.79 | 17.74 | 18.00 | 18.91 | 19.16 | 20.77 |
| | 12H | 18.92 | 19.15 | 20.10 | 20.31 | 21.95 | 17.88 | 18.11 | 19.06 | 19.27 | 20.91 |
| 12H | 4H | 17.80 | 18.13 | 18.97 | 19.29 | 20.88 | 16.86 | 17.19 | 18.03 | 18.35 | 19.94 |
| | 6H | 18.49 | 18.75 | 19.67 | 19.92 | 21.52 | 17.52 | 17.79 | 18.70 | 18.95 | 20.56 |
| | 8H | 18.80 | 19.03 | 19.98 | 20.19 | 21.83 | 17.82 | 18.05 | 19.00 | 19.22 | 20.85 |