

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: P1439339

Luminaire Tested: CB3-125U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439339
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-125U-055D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

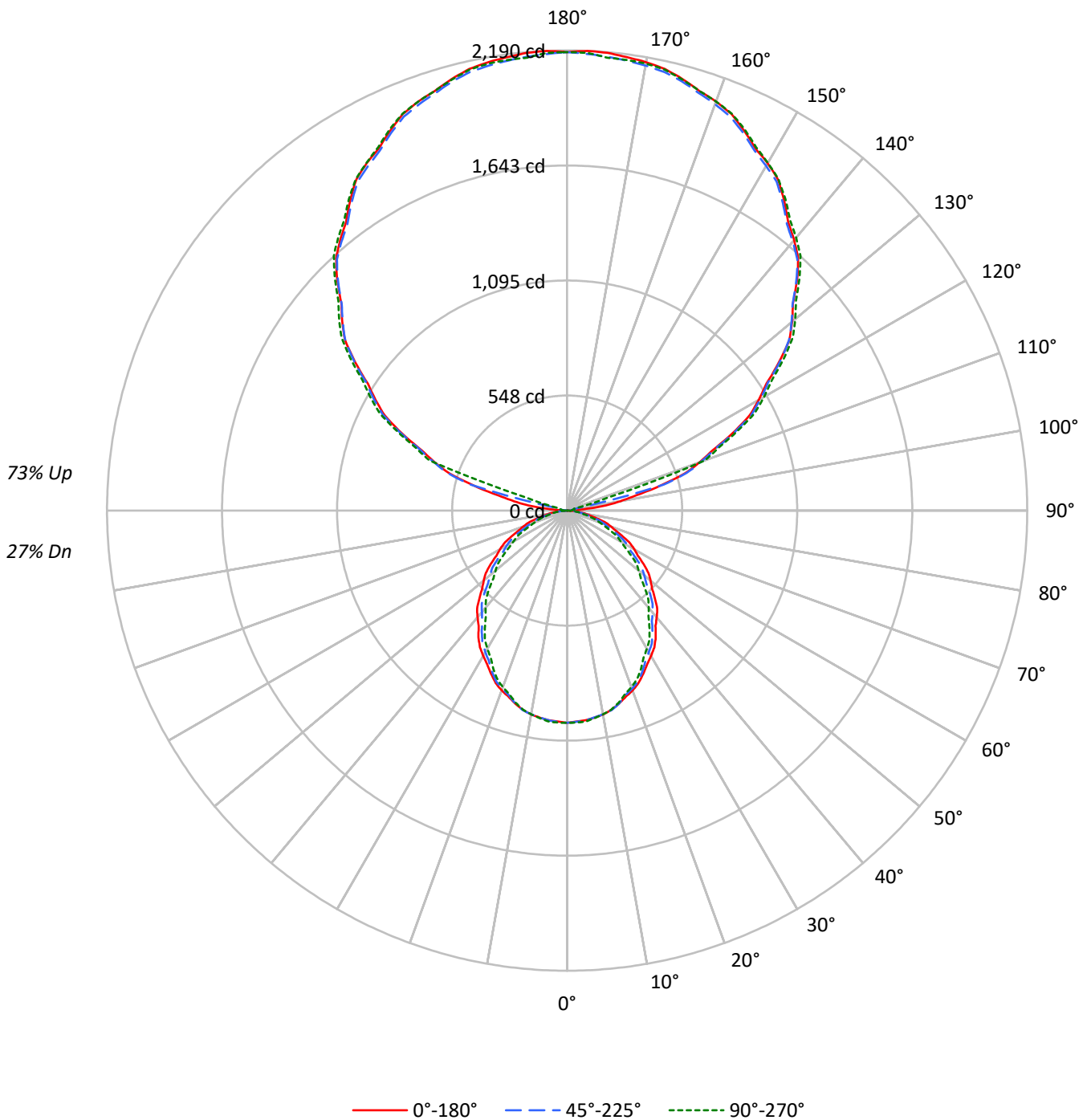
Lumens per Lamp: N/A
Luminaire Lumens: 8857.6 lumens
Efficiency: N/A
Efficacy: 164.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): 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 | | | 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 | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 52 | 52 | 52 | 35 | 35 | 35 | 27 |
| 1 | 93 | 89 | 85 | 82 | 83 | 79 | 76 | 74 | 62 | 60 | 58 | 46 | 45 | 44 | 31 | 31 | 30 | 23 |
| 2 | 85 | 77 | 72 | 67 | 75 | 69 | 65 | 60 | 54 | 51 | 48 | 40 | 38 | 36 | 28 | 26 | 25 | 20 |
| 3 | 77 | 68 | 61 | 56 | 69 | 61 | 55 | 50 | 48 | 44 | 41 | 36 | 33 | 31 | 25 | 23 | 22 | 17 |
| 4 | 71 | 60 | 53 | 47 | 63 | 54 | 48 | 43 | 43 | 38 | 34 | 32 | 29 | 26 | 22 | 20 | 19 | 14 |
| 5 | 65 | 54 | 46 | 40 | 58 | 48 | 42 | 37 | 38 | 33 | 30 | 29 | 25 | 23 | 20 | 18 | 16 | 13 |
| 6 | 59 | 48 | 40 | 35 | 53 | 43 | 36 | 32 | 34 | 29 | 26 | 26 | 23 | 20 | 18 | 16 | 14 | 11 |
| 7 | 55 | 43 | 36 | 30 | 49 | 39 | 32 | 28 | 31 | 26 | 23 | 23 | 20 | 18 | 16 | 14 | 13 | 10 |
| 8 | 51 | 39 | 32 | 27 | 45 | 35 | 29 | 24 | 28 | 23 | 20 | 21 | 18 | 16 | 15 | 13 | 11 | 9 |
| 9 | 47 | 36 | 28 | 23 | 42 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 16 | 14 | 14 | 12 | 10 | 8 |
| 10 | 44 | 32 | 26 | 21 | 39 | 29 | 23 | 19 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11429 | 11429 | 11429 |
| 5° | 11375 | 11383 | 11449 |
| 10° | 11325 | 11309 | 11309 |
| 15° | 11151 | 11151 | 11085 |
| 20° | 10970 | 10858 | 10763 |
| 25° | 10694 | 10559 | 10372 |
| 30° | 10432 | 10161 | 9916 |
| 35° | 10158 | 9781 | 9434 |
| 40° | 9791 | 9324 | 8923 |
| 45° | 9460 | 8919 | 8369 |
| 50° | 9118 | 8435 | 7830 |
| 55° | 8747 | 7967 | 7317 |
| 60° | 8346 | 7483 | 6737 |
| 65° | 7874 | 6934 | 6128 |
| 70° | 7334 | 6289 | 5458 |
| 75° | 6649 | 5521 | 4861 |
| 80° | 5799 | 4626 | 4300 |
| 85° | 4466 | 3908 | 3908 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9460 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.3 | 1.1 |
| 10°-20° | 267.8 | 3.0 |
| 20°-30° | 389.0 | 4.4 |
| 30°-40° | 442.3 | 5.0 |
| 40°-50° | 429.4 | 4.8 |
| 50°-60° | 362.5 | 4.1 |
| 60°-70° | 257.9 | 2.9 |
| 70°-80° | 137.8 | 1.6 |
| 80°-90° | 36.5 | 0.4 |
| 90°-100° | 50.4 | 0.6 |
| 100°-110° | 364.9 | 4.1 |
| 110°-120° | 867.5 | 9.8 |
| 120°-130° | 1108.3 | 12.5 |
| 130°-140° | 1195.5 | 13.5 |
| 140°-150° | 1127.0 | 12.7 |
| 150°-160° | 919.4 | 10.4 |
| 160°-170° | 599.0 | 6.8 |
| 170°-180° | 207.1 | 2.3 |
| 0°-30° | 752.1 | 8.5 |
| 0°-40° | 1194.4 | 13.5 |
| 0°-60° | 1986.2 | 22.4 |
| 0°-90° | 2418.4 | 27.3 |
| 90°-120° | 1282.8 | 14.5 |
| 90°-150° | 4713.7 | 53.2 |
| 90°-180° | 6439.0 | 72.7 |
| 0°-180° | 8857.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1010 | 1010 | 1010 | 1010 | 1010 | |
| 5° | 1002 | 1014 | 1002 | 1001 | 1008 | 95 |
| 15° | 952 | 960 | 952 | 946 | 946 | 268 |
| 25° | 857 | 859 | 846 | 834 | 831 | 395 |
| 35° | 735 | 728 | 708 | 687 | 683 | 458 |
| 45° | 591 | 582 | 557 | 531 | 523 | 456 |
| 55° | 443 | 431 | 404 | 378 | 371 | 396 |
| 65° | 294 | 284 | 259 | 236 | 229 | 291 |
| 75° | 152 | 144 | 126 | 113 | 111 | 162 |
| 85° | 34 | 32 | 30 | 30 | 30 | 41 |
| 90° | 0 | 0 | 0 | 2 | 0 | 5 |
| 95° | 92 | 16 | 21 | 23 | 23 | 114 |
| 105° | 462 | 468 | 475 | 35 | 36 | 487 |
| 115° | 866 | 873 | 875 | 888 | 893 | 855 |
| 125° | 1232 | 1240 | 1236 | 1250 | 1258 | 1099 |
| 135° | 1547 | 1555 | 1542 | 1554 | 1564 | 1192 |
| 145° | 1800 | 1812 | 1789 | 1801 | 1810 | 1126 |
| 155° | 1994 | 2010 | 1983 | 1988 | 2001 | 920 |
| 165° | 2126 | 2137 | 2114 | 2108 | 2123 | 600 |
| 175° | 2187 | 2198 | 2169 | 2157 | 2164 | 208 |
| 180° | 2182 | 2182 | 2182 | 2182 | 2182 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1010.1 | 1010.1 | 1010.1 | 1010.1 | 1010.1 |
| 2.5° | 1005.0 | 1015.1 | 1006.1 | 1007.3 | 1009.6 |
| 5° | 1001.5 | 1014.2 | 1002.2 | 1001.0 | 1008.0 |
| 7.5° | 993.8 | 1005.3 | 992.9 | 990.0 | 996.4 |
| 10° | 985.7 | 998.4 | 984.3 | 980.8 | 984.3 |
| 12.5° | 971.4 | 984.6 | 973.4 | 967.6 | 970.5 |
| 15° | 952.0 | 960.4 | 952.0 | 946.3 | 946.3 |
| 17.5° | 928.3 | 937.2 | 921.3 | 917.3 | 915.7 |
| 20° | 911.1 | 918.8 | 901.8 | 896.0 | 893.9 |
| 22.5° | 888.2 | 895.3 | 881.1 | 871.3 | 868.7 |
| 25° | 856.6 | 859.4 | 845.8 | 834.3 | 830.8 |
| 27.5° | 824.9 | 825.6 | 807.0 | 792.9 | 788.3 |
| 30° | 798.5 | 799.2 | 777.7 | 762.5 | 759.0 |
| 32.5° | 772.1 | 770.0 | 749.6 | 731.6 | 729.2 |
| 35° | 735.4 | 728.3 | 708.1 | 687.2 | 683.0 |
| 37.5° | 691.0 | 686.8 | 662.9 | 642.0 | 635.6 |
| 40° | 662.9 | 655.9 | 631.3 | 610.4 | 604.1 |
| 42.5° | 634.8 | 626.6 | 601.5 | 578.2 | 571.4 |
| 45° | 591.2 | 582.0 | 557.4 | 530.7 | 523.0 |
| 47.5° | 547.3 | 537.3 | 510.2 | 484.4 | 475.8 |
| 50° | 518.0 | 507.5 | 479.2 | 453.9 | 444.8 |
| 52.5° | 488.1 | 477.1 | 448.8 | 423.0 | 415.5 |
| 55° | 443.4 | 431.4 | 403.9 | 377.9 | 370.9 |
| 57.5° | 398.6 | 386.8 | 359.4 | 334.8 | 326.4 |
| 60° | 368.8 | 357.5 | 330.7 | 306.1 | 297.7 |
| 62.5° | 338.3 | 327.7 | 301.5 | 277.5 | 269.6 |
| 65° | 294.1 | 283.6 | 259.0 | 235.9 | 228.9 |
| 67.5° | 250.4 | 241.4 | 217.1 | 195.9 | 190.3 |
| 70° | 221.7 | 213.3 | 190.1 | 170.6 | 165.0 |
| 72.5° | 194.1 | 185.2 | 163.1 | 146.6 | 142.6 |
| 75° | 152.1 | 143.7 | 126.3 | 113.3 | 111.2 |
| 77.5° | 113.6 | 106.8 | 91.7 | 84.3 | 83.2 |
| 80° | 89.0 | 82.6 | 71.0 | 66.0 | 66.0 |
| 82.5° | 66.0 | 60.8 | 53.2 | 51.1 | 51.1 |
| 85° | 34.4 | 31.6 | 30.1 | 30.1 | 30.1 |
| 87.5° | 10.3 | 10.3 | 9.8 | 9.5 | 9.2 |
| 90° | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 |
| 92.5° | 25.0 | 9.6 | 7.9 | 9.5 | 9.2 |
| 95° | 92.1 | 16.5 | 21.4 | 23.0 | 23.0 |
| 97.5° | 185.5 | 181.9 | 25.0 | 29.9 | 30.3 |
| 100° | 256.5 | 264.5 | 26.3 | 31.3 | 32.9 |
| 102.5° | 335.4 | 342.2 | 48.7 | 32.6 | 34.2 |
| 105° | 462.0 | 468.5 | 475.2 | 34.6 | 36.2 |
| 107.5° | 588.0 | 592.8 | 597.2 | 537.6 | 201.3 |
| 110° | 670.8 | 675.7 | 677.4 | 693.9 | 697.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 748.4 | 754.5 | 757.6 | 771.6 | 777.4 |
| 115° | 866.5 | 872.9 | 874.7 | 888.0 | 892.8 |
| 117.5° | 978.6 | 985.4 | 988.5 | 999.2 | 1006.9 |
| 120° | 1052.3 | 1060.3 | 1062.2 | 1075.5 | 1081.9 |
| 122.5° | 1124.6 | 1134.0 | 1133.2 | 1145.2 | 1154.2 |
| 125° | 1231.5 | 1239.5 | 1236.4 | 1249.8 | 1257.8 |
| 127.5° | 1333.1 | 1337.9 | 1331.1 | 1347.4 | 1354.2 |
| 130° | 1397.6 | 1402.4 | 1394.3 | 1409.3 | 1417.3 |
| 132.5° | 1456.8 | 1464.2 | 1454.8 | 1468.5 | 1476.5 |
| 135° | 1547.2 | 1555.2 | 1542.3 | 1554.0 | 1563.6 |
| 137.5° | 1627.8 | 1637.4 | 1621.8 | 1635.5 | 1643.9 |
| 140° | 1680.4 | 1690.0 | 1670.5 | 1685.5 | 1695.2 |
| 142.5° | 1729.0 | 1741.3 | 1717.9 | 1731.6 | 1742.5 |
| 145° | 1800.4 | 1811.7 | 1788.9 | 1800.6 | 1810.3 |
| 147.5° | 1868.1 | 1877.8 | 1856.0 | 1864.3 | 1871.1 |
| 150° | 1908.9 | 1918.6 | 1894.1 | 1902.5 | 1910.6 |
| 152.5° | 1941.8 | 1955.3 | 1930.9 | 1936.8 | 1948.7 |
| 155° | 1994.4 | 2010.5 | 1982.9 | 1988.1 | 2001.0 |
| 157.5° | 2042.8 | 2057.2 | 2029.6 | 2034.1 | 2045.4 |
| 160° | 2071.7 | 2086.2 | 2058.5 | 2060.4 | 2071.7 |
| 162.5° | 2094.1 | 2107.2 | 2083.5 | 2080.2 | 2094.1 |
| 165° | 2126.0 | 2137.2 | 2114.4 | 2108.2 | 2122.7 |
| 167.5° | 2152.6 | 2165.4 | 2137.5 | 2132.2 | 2148.6 |
| 170° | 2167.1 | 2179.9 | 2150.6 | 2142.8 | 2160.5 |
| 172.5° | 2176.3 | 2187.8 | 2159.8 | 2149.3 | 2163.1 |
| 175° | 2186.8 | 2198.0 | 2168.7 | 2157.3 | 2163.8 |
| 177.5° | 2189.7 | 2198.7 | 2175.3 | 2165.1 | 2180.5 |
| 180° | 2181.9 | 2181.9 | 2181.9 | 2181.9 | 2181.9 |



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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 | 13.01 | 13.70 | 14.14 | 14.82 | 16.38 | 11.93 | 12.62 | 13.07 | 13.74 | 15.30 |
| | 3H | 14.67 | 15.28 | 15.81 | 16.41 | 17.99 | 13.33 | 13.95 | 14.47 | 15.08 | 16.66 |
| | 4H | 15.29 | 15.87 | 16.44 | 17.00 | 18.58 | 13.84 | 14.42 | 14.99 | 15.56 | 17.14 |
| | 6H | 15.66 | 16.20 | 16.82 | 17.33 | 18.93 | 14.15 | 14.69 | 15.31 | 15.82 | 17.41 |
| | 8H | 15.80 | 16.30 | 16.96 | 17.45 | 19.04 | 14.27 | 14.78 | 15.43 | 15.93 | 17.51 |
| | 12H | 15.86 | 16.34 | 17.02 | 17.48 | 19.09 | 14.34 | 14.82 | 15.50 | 15.96 | 17.57 |
| 4H | 2H | 13.40 | 13.98 | 14.56 | 15.11 | 16.69 | 12.54 | 13.12 | 13.70 | 14.25 | 15.84 |
| | 3H | 15.27 | 15.76 | 16.43 | 16.91 | 18.51 | 14.14 | 14.63 | 15.30 | 15.78 | 17.38 |
| | 4H | 16.01 | 16.46 | 17.18 | 17.60 | 19.22 | 14.74 | 15.19 | 15.91 | 16.33 | 17.95 |
| | 6H | 16.51 | 16.89 | 17.68 | 18.06 | 19.66 | 15.14 | 15.52 | 16.31 | 16.69 | 18.30 |
| | 8H | 16.69 | 17.05 | 17.86 | 18.21 | 19.83 | 15.31 | 15.67 | 16.48 | 16.83 | 18.45 |
| | 12H | 16.78 | 17.10 | 17.97 | 18.28 | 19.90 | 15.41 | 15.73 | 16.59 | 16.90 | 18.53 |
| 8H | 4H | 16.13 | 16.48 | 17.30 | 17.64 | 19.27 | 14.99 | 15.35 | 16.16 | 16.50 | 18.13 |
| | 6H | 16.74 | 17.03 | 17.93 | 18.24 | 19.85 | 15.51 | 15.80 | 16.70 | 17.01 | 18.62 |
| | 8H | 17.02 | 17.27 | 18.21 | 18.45 | 20.09 | 15.76 | 16.02 | 16.96 | 17.20 | 18.84 |
| | 12H | 17.17 | 17.40 | 18.37 | 18.57 | 20.24 | 15.93 | 16.15 | 17.13 | 17.33 | 19.00 |
| 12H | 4H | 16.09 | 16.42 | 17.28 | 17.59 | 19.21 | 14.98 | 15.31 | 16.17 | 16.48 | 18.10 |
| | 6H | 16.76 | 17.01 | 17.95 | 18.19 | 19.83 | 15.57 | 15.82 | 16.76 | 17.00 | 18.64 |
| | 8H | 17.05 | 17.27 | 18.24 | 18.45 | 20.12 | 15.84 | 16.06 | 17.04 | 17.24 | 18.91 |