

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: FAIL-SAFE

Report Number: P1357428

Luminaire Tested: 8ASL4-10HE-2-92765-UNV_6500K

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-7)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 8ASL4-10HE-2-92765-UNV_6500K
Description: 8FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 6500K LEDS 2 ROW
Light Source: -
Ballast/Driver: -

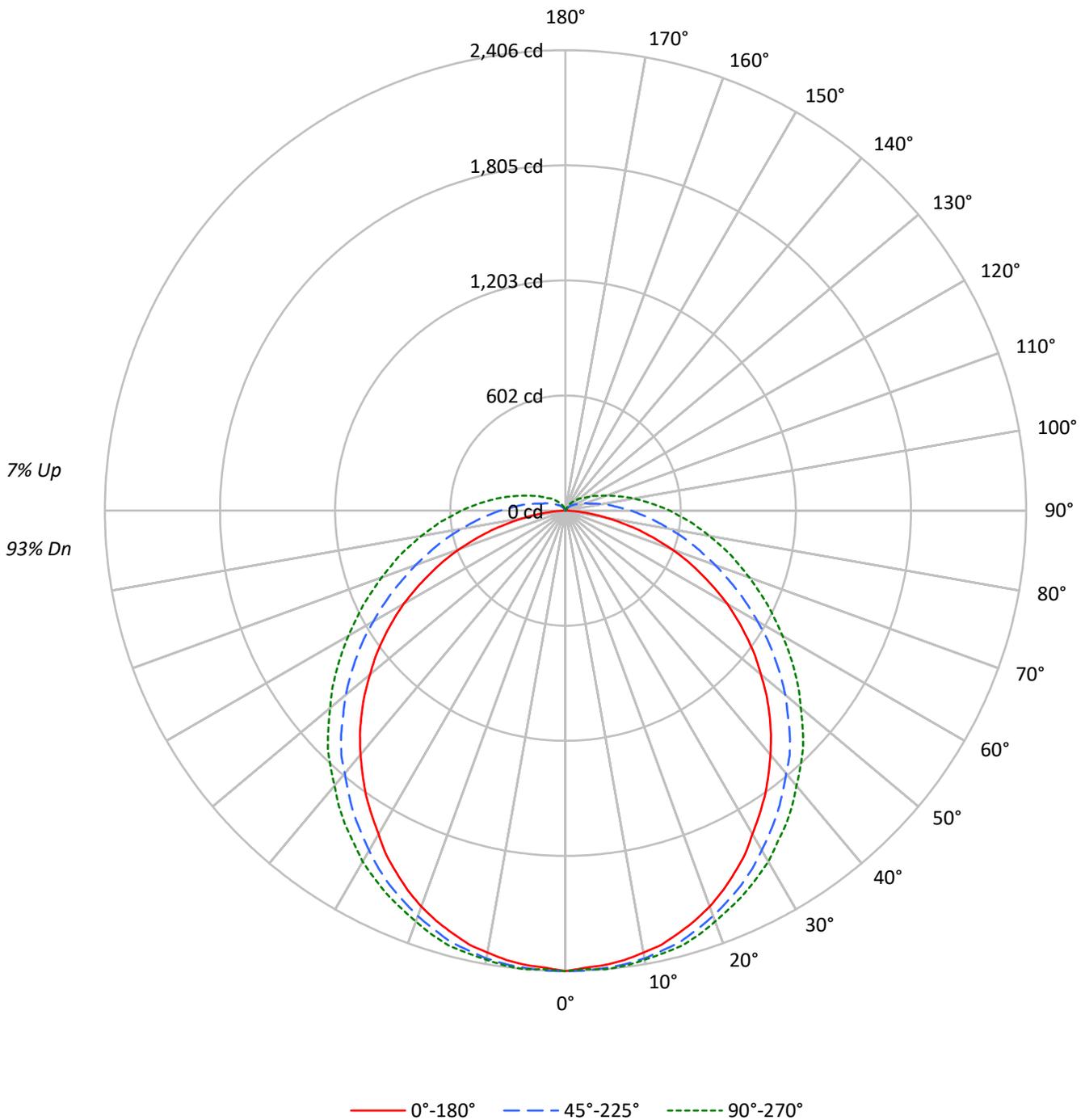
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8261.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 7.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 70.3
Input Voltage (V): NR
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: P1357428

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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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 117 | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 95 | 95 | 95 | 95 | 95 | 95 | 93 |
| 1 | 105 | 100 | 95 | 90 | 102 | 97 | 92 | 88 | 91 | 87 | 84 | 86 | 83 | 80 | 81 | 79 | 77 | 77 | 77 | 77 | 74 |
| 2 | 95 | 86 | 79 | 72 | 92 | 84 | 77 | 71 | 79 | 73 | 68 | 74 | 70 | 65 | 70 | 66 | 63 | 63 | 63 | 63 | 60 |
| 3 | 86 | 75 | 66 | 59 | 83 | 73 | 65 | 58 | 69 | 62 | 56 | 65 | 59 | 55 | 62 | 57 | 53 | 53 | 53 | 53 | 50 |
| 4 | 79 | 66 | 57 | 50 | 76 | 64 | 56 | 49 | 61 | 54 | 48 | 58 | 51 | 46 | 55 | 49 | 45 | 45 | 45 | 45 | 42 |
| 5 | 72 | 59 | 50 | 43 | 70 | 57 | 49 | 42 | 54 | 47 | 41 | 52 | 45 | 40 | 49 | 43 | 39 | 39 | 39 | 39 | 36 |
| 6 | 67 | 53 | 44 | 37 | 64 | 52 | 43 | 37 | 49 | 41 | 36 | 47 | 40 | 35 | 44 | 39 | 34 | 34 | 34 | 34 | 32 |
| 7 | 62 | 48 | 39 | 33 | 60 | 47 | 38 | 32 | 45 | 37 | 32 | 43 | 36 | 31 | 41 | 35 | 30 | 30 | 30 | 30 | 28 |
| 8 | 58 | 44 | 35 | 29 | 56 | 43 | 34 | 29 | 41 | 33 | 28 | 39 | 32 | 28 | 37 | 31 | 27 | 27 | 27 | 27 | 25 |
| 9 | 54 | 40 | 32 | 26 | 52 | 39 | 31 | 26 | 37 | 30 | 25 | 36 | 29 | 25 | 34 | 29 | 24 | 24 | 24 | 24 | 22 |
| 10 | 50 | 37 | 29 | 24 | 49 | 36 | 28 | 23 | 35 | 28 | 23 | 33 | 27 | 22 | 32 | 26 | 22 | 22 | 22 | 22 | 20 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9738 | 9738 | 9738 |
| 5° | 9672 | 9553 | 9515 |
| 10° | 9618 | 9384 | 9284 |
| 15° | 9542 | 9198 | 9098 |
| 20° | 9439 | 8961 | 8837 |
| 25° | 9270 | 8727 | 8612 |
| 30° | 9055 | 8459 | 8388 |
| 35° | 8891 | 8210 | 8129 |
| 40° | 8700 | 7941 | 7855 |
| 45° | 8508 | 7710 | 7656 |
| 50° | 8257 | 7403 | 7359 |
| 55° | 8020 | 7072 | 7125 |
| 60° | 7727 | 6700 | 6875 |
| 65° | 7260 | 6355 | 6681 |
| 70° | 6742 | 6034 | 6504 |
| 75° | 5980 | 5792 | 6445 |
| 80° | 4761 | 5584 | 6425 |
| 85° | 3059 | 5612 | 6610 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8508 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 228.2 | 2.8 |
| 10°-20° | 656.0 | 7.9 |
| 20°-30° | 994.0 | 12.0 |
| 30°-40° | 1202.2 | 14.6 |
| 40°-50° | 1267.4 | 15.3 |
| 50°-60° | 1182.9 | 14.3 |
| 60°-70° | 976.6 | 11.8 |
| 70°-80° | 708.5 | 8.6 |
| 80°-90° | 447.6 | 5.4 |
| 90°-100° | 267.2 | 3.2 |
| 100°-110° | 153.2 | 1.9 |
| 110°-120° | 87.0 | 1.1 |
| 120°-130° | 49.6 | 0.6 |
| 130°-140° | 26.9 | 0.3 |
| 140°-150° | 11.8 | 0.1 |
| 150°-160° | 2.1 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1878.1 | 22.7 |
| 0°-40° | 3080.3 | 37.3 |
| 0°-60° | 5530.6 | 66.9 |
| 0°-90° | 7663.3 | 92.8 |
| 90°-120° | 507.3 | 6.1 |
| 90°-150° | 595.6 | 7.2 |
| 90°-180° | 598.0 | 7.2 |
| 0°-180° | 8261.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2406 | 2406 | 2406 | 2406 | 2406 | |
| 5° | 2384 | 2406 | 2399 | 2399 | 2406 | 226 |
| 15° | 2285 | 2316 | 2331 | 2338 | 2353 | 645 |
| 25° | 2088 | 2119 | 2164 | 2194 | 2210 | 962 |
| 35° | 1816 | 1862 | 1930 | 1983 | 2005 | 1135 |
| 45° | 1506 | 1566 | 1657 | 1725 | 1756 | 1161 |
| 55° | 1158 | 1226 | 1332 | 1423 | 1460 | 1035 |
| 65° | 779 | 863 | 991 | 1112 | 1165 | 774 |
| 75° | 401 | 507 | 689 | 832 | 893 | 422 |
| 85° | 76 | 235 | 439 | 590 | 651 | 93 |
| 90° | 0 | 144 | 340 | 484 | 545 | 3 |
| 95° | 0 | 91 | 257 | 394 | 446 | 0 |
| 105° | 0 | 30 | 144 | 250 | 288 | 0 |
| 115° | 0 | 15 | 83 | 151 | 182 | 0 |
| 125° | 0 | 8 | 53 | 98 | 114 | 0 |
| 135° | 0 | 0 | 30 | 60 | 76 | 0 |
| 145° | 0 | 0 | 15 | 38 | 45 | 0 |
| 155° | 0 | 0 | 0 | 8 | 15 | 0 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P1357428

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2406.3 | 2406.3 | 2406.3 | 2406.3 | 2406.3 |
| 2.5° | 2391.2 | 2413.9 | 2406.3 | 2398.8 | 2398.8 |
| 5° | 2383.6 | 2406.3 | 2398.8 | 2398.8 | 2406.3 |
| 7.5° | 2368.5 | 2391.2 | 2391.2 | 2391.2 | 2398.8 |
| 10° | 2345.8 | 2376.1 | 2376.1 | 2376.1 | 2383.6 |
| 12.5° | 2323.1 | 2345.8 | 2353.4 | 2360.9 | 2368.5 |
| 15° | 2285.3 | 2315.5 | 2330.7 | 2338.2 | 2353.4 |
| 17.5° | 2247.4 | 2270.1 | 2292.8 | 2315.5 | 2323.1 |
| 20° | 2202.0 | 2232.3 | 2255.0 | 2277.7 | 2285.3 |
| 22.5° | 2149.1 | 2179.3 | 2209.6 | 2232.3 | 2247.4 |
| 25° | 2088.5 | 2118.8 | 2164.2 | 2194.5 | 2209.6 |
| 27.5° | 2028.0 | 2058.3 | 2111.2 | 2149.1 | 2164.2 |
| 30° | 1952.3 | 1997.7 | 2050.7 | 2096.1 | 2118.8 |
| 32.5° | 1884.2 | 1929.6 | 1990.2 | 2043.1 | 2058.3 |
| 35° | 1816.1 | 1861.5 | 1929.6 | 1982.6 | 2005.3 |
| 37.5° | 1740.4 | 1793.4 | 1861.5 | 1922.0 | 1944.7 |
| 40° | 1664.8 | 1717.7 | 1793.4 | 1861.5 | 1876.6 |
| 42.5° | 1589.1 | 1642.1 | 1732.9 | 1793.4 | 1816.1 |
| 45° | 1505.9 | 1566.4 | 1657.2 | 1725.3 | 1755.6 |
| 47.5° | 1422.6 | 1483.2 | 1574.0 | 1649.6 | 1679.9 |
| 50° | 1331.8 | 1399.9 | 1498.3 | 1574.0 | 1604.2 |
| 52.5° | 1248.6 | 1316.7 | 1415.1 | 1498.3 | 1536.1 |
| 55° | 1157.8 | 1225.9 | 1331.8 | 1422.6 | 1460.5 |
| 57.5° | 1067.0 | 1135.1 | 1248.6 | 1346.9 | 1384.8 |
| 60° | 976.2 | 1044.3 | 1157.8 | 1271.3 | 1309.1 |
| 62.5° | 877.8 | 953.5 | 1074.5 | 1188.0 | 1233.4 |
| 65° | 779.4 | 862.7 | 991.3 | 1112.4 | 1165.3 |
| 67.5° | 688.6 | 771.8 | 908.1 | 1044.3 | 1089.7 |
| 70° | 590.2 | 681.0 | 832.4 | 968.6 | 1021.6 |
| 72.5° | 491.9 | 590.2 | 756.7 | 900.5 | 953.5 |
| 75° | 401.1 | 507.0 | 688.6 | 832.4 | 892.9 |
| 77.5° | 302.7 | 431.3 | 620.5 | 771.8 | 824.8 |
| 80° | 219.4 | 355.7 | 552.4 | 711.3 | 764.3 |
| 82.5° | 143.8 | 287.6 | 491.9 | 650.8 | 703.7 |
| 85° | 75.7 | 234.6 | 438.9 | 590.2 | 650.8 |
| 87.5° | 22.7 | 181.6 | 385.9 | 537.3 | 590.2 |
| 90° | 0.0 | 143.8 | 340.5 | 484.3 | 544.8 |
| 92.5° | 0.0 | 113.5 | 295.1 | 438.9 | 491.9 |
| 95° | 0.0 | 90.8 | 257.3 | 393.5 | 446.5 |
| 97.5° | 0.0 | 75.7 | 227.0 | 355.7 | 401.1 |
| 100° | 0.0 | 60.5 | 196.7 | 317.8 | 363.2 |
| 102.5° | 0.0 | 45.4 | 166.5 | 280.0 | 325.4 |
| 105° | 0.0 | 30.3 | 143.8 | 249.7 | 287.6 |
| 107.5° | 0.0 | 22.7 | 121.1 | 219.4 | 257.3 |
| 110° | 0.0 | 22.7 | 113.5 | 189.2 | 227.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|------|-------|-------|
| 112.5° | 0.0 | 15.1 | 98.4 | 174.0 | 204.3 |
| 115° | 0.0 | 15.1 | 83.2 | 151.3 | 181.6 |
| 117.5° | 0.0 | 15.1 | 75.7 | 136.2 | 166.5 |
| 120° | 0.0 | 15.1 | 68.1 | 121.1 | 143.8 |
| 122.5° | 0.0 | 7.6 | 60.5 | 105.9 | 128.6 |
| 125° | 0.0 | 7.6 | 53.0 | 98.4 | 113.5 |
| 127.5° | 0.0 | 7.6 | 45.4 | 90.8 | 105.9 |
| 130° | 0.0 | 7.6 | 45.4 | 83.2 | 98.4 |
| 132.5° | 0.0 | 0.0 | 37.8 | 75.7 | 90.8 |
| 135° | 0.0 | 0.0 | 30.3 | 60.5 | 75.7 |
| 137.5° | 0.0 | 0.0 | 30.3 | 53.0 | 68.1 |
| 140° | 0.0 | 0.0 | 22.7 | 53.0 | 60.5 |
| 142.5° | 0.0 | 0.0 | 15.1 | 45.4 | 53.0 |
| 145° | 0.0 | 0.0 | 15.1 | 37.8 | 45.4 |
| 147.5° | 0.0 | 0.0 | 7.6 | 30.3 | 37.8 |
| 150° | 0.0 | 0.0 | 7.6 | 22.7 | 30.3 |
| 152.5° | 0.0 | 0.0 | 0.0 | 15.1 | 22.7 |
| 155° | 0.0 | 0.0 | 0.0 | 7.6 | 15.1 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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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 | 17.24 | 18.77 | 17.71 | 19.23 | 19.72 | 19.34 | 20.87 | 19.81 | 21.33 | 21.82 |
| | 3H | 18.74 | 20.14 | 19.22 | 20.61 | 21.14 | 21.81 | 23.21 | 22.29 | 23.68 | 24.21 |
| | 4H | 19.22 | 20.54 | 19.72 | 21.03 | 21.58 | 23.03 | 24.36 | 23.54 | 24.85 | 25.39 |
| | 6H | 19.49 | 20.73 | 20.01 | 21.23 | 21.79 | 24.33 | 25.57 | 24.85 | 26.07 | 26.63 |
| | 8H | 19.54 | 20.73 | 20.08 | 21.25 | 21.82 | 25.01 | 26.20 | 25.55 | 26.72 | 27.29 |
| | 12H | 19.56 | 20.70 | 20.10 | 21.21 | 21.81 | 25.78 | 26.92 | 26.32 | 27.44 | 28.03 |
| 4H | 2H | 18.12 | 19.45 | 18.63 | 19.94 | 20.48 | 19.77 | 21.09 | 20.27 | 21.58 | 22.13 |
| | 3H | 19.87 | 21.00 | 20.38 | 21.53 | 22.09 | 22.47 | 23.60 | 22.99 | 24.13 | 24.70 |
| | 4H | 20.47 | 21.51 | 21.01 | 22.05 | 22.65 | 23.87 | 24.90 | 24.41 | 25.44 | 26.04 |
| | 6H | 20.87 | 21.79 | 21.43 | 22.36 | 22.97 | 25.36 | 26.28 | 25.92 | 26.85 | 27.46 |
| | 8H | 20.97 | 21.83 | 21.54 | 22.40 | 23.03 | 26.15 | 27.01 | 26.72 | 27.58 | 28.21 |
| | 12H | 21.02 | 21.80 | 21.60 | 22.40 | 23.03 | 27.04 | 27.83 | 27.63 | 28.42 | 29.05 |
| 8H | 4H | 21.18 | 22.04 | 21.74 | 22.61 | 23.23 | 24.08 | 24.95 | 24.65 | 25.51 | 26.14 |
| | 6H | 21.77 | 22.50 | 22.36 | 23.10 | 23.74 | 25.76 | 26.49 | 26.35 | 27.09 | 27.73 |
| | 8H | 21.95 | 22.61 | 22.56 | 23.23 | 23.88 | 26.69 | 27.35 | 27.30 | 27.97 | 28.61 |
| | 12H | 22.07 | 22.66 | 22.68 | 23.27 | 23.98 | 27.77 | 28.36 | 28.38 | 28.96 | 29.67 |
| 12H | 4H | 21.38 | 22.17 | 21.97 | 22.76 | 23.39 | 24.09 | 24.88 | 24.68 | 25.47 | 26.10 |
| | 6H | 22.08 | 22.74 | 22.68 | 23.36 | 24.00 | 25.79 | 26.45 | 26.40 | 27.07 | 27.72 |
| | 8H | 22.36 | 22.95 | 22.97 | 23.56 | 24.27 | 26.80 | 27.39 | 27.41 | 27.99 | 28.70 |