

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: P1357426

Luminaire Tested: 8ASL4-10HE-2-92765-UNV\_4000K

Issue Date: 2/17/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1357426  
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\_4000K  
Description: 8FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 4000K LEDS 2 ROW  
Light Source: -  
Ballast/Driver: -

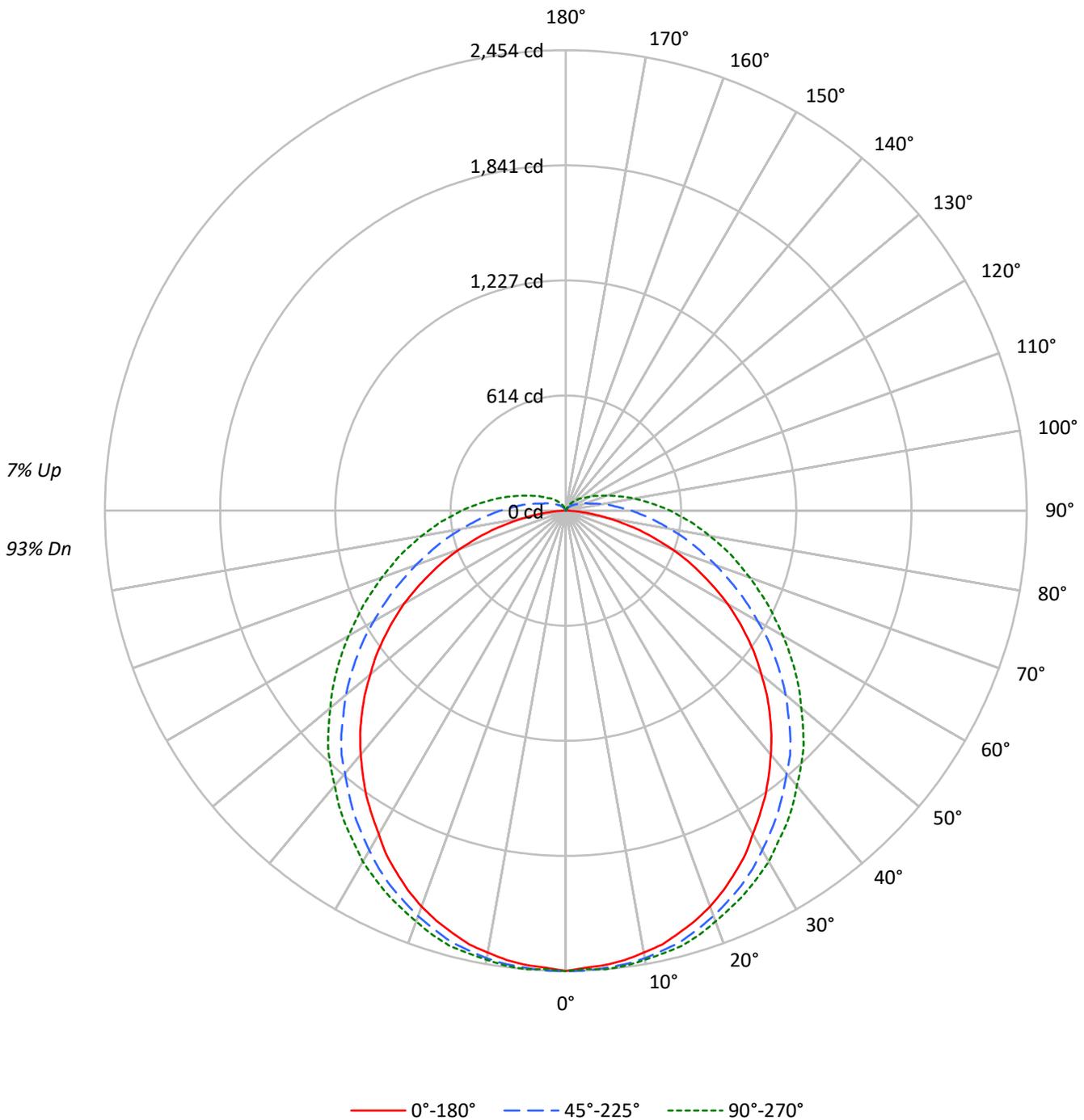
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8425.0 lumens  
Efficiency: N/A  
Efficacy: 119.8 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<sub>in</sub>): 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

TEST NUMBER: P1357426  
CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV\_4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P1357426

CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV\_4000K

**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°  | 9932 | 9932 | 9932 |
| 5°  | 9865 | 9742 | 9704 |
| 10° | 9809 | 9570 | 9468 |
| 15° | 9731 | 9380 | 9279 |
| 20° | 9626 | 9139 | 9012 |
| 25° | 9454 | 8901 | 8783 |
| 30° | 9235 | 8627 | 8555 |
| 35° | 9068 | 8373 | 8290 |
| 40° | 8872 | 8098 | 8011 |
| 45° | 8677 | 7863 | 7807 |
| 50° | 8421 | 7549 | 7506 |
| 55° | 8179 | 7213 | 7266 |
| 60° | 7879 | 6833 | 7011 |
| 65° | 7405 | 6482 | 6814 |
| 70° | 6877 | 6153 | 6633 |
| 75° | 6098 | 5907 | 6573 |
| 80° | 4856 | 5695 | 6553 |
| 85° | 3119 | 5724 | 6741 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8677 cd/sqm



TEST NUMBER: P1357426  
 CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV\_4000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 232.7  | 2.8       |
| 10°-20°   | 669.0  | 7.9       |
| 20°-30°   | 1013.7 | 12.0      |
| 30°-40°   | 1226.1 | 14.6      |
| 40°-50°   | 1292.6 | 15.3      |
| 50°-60°   | 1206.4 | 14.3      |
| 60°-70°   | 996.0  | 11.8      |
| 70°-80°   | 722.5  | 8.6       |
| 80°-90°   | 456.5  | 5.4       |
| 90°-100°  | 272.5  | 3.2       |
| 100°-110° | 156.2  | 1.9       |
| 110°-120° | 88.7   | 1.1       |
| 120°-130° | 50.6   | 0.6       |
| 130°-140° | 27.4   | 0.3       |
| 140°-150° | 12.0   | 0.1       |
| 150°-160° | 2.2    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 1915.4 | 22.7      |
| 0°-40°    | 3141.5 | 37.3      |
| 0°-60°    | 5640.4 | 66.9      |
| 0°-90°    | 7815.5 | 92.8      |
| 90°-120°  | 517.4  | 6.1       |
| 90°-150°  | 607.4  | 7.2       |
| 90°-180°  | 610.0  | 7.2       |
| 0°-180°   | 8425.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 2454 | 2454  | 2454 | 2454  | 2454 |      |
| 5°   | 2431 | 2454  | 2446 | 2446  | 2454 | 231  |
| 15°  | 2331 | 2362  | 2377 | 2385  | 2400 | 658  |
| 25°  | 2130 | 2161  | 2207 | 2238  | 2254 | 981  |
| 35°  | 1852 | 1898  | 1968 | 2022  | 2045 | 1158 |
| 45°  | 1536 | 1598  | 1690 | 1760  | 1790 | 1184 |
| 55°  | 1181 | 1250  | 1358 | 1451  | 1489 | 1055 |
| 65°  | 795  | 880   | 1011 | 1134  | 1188 | 789  |
| 75°  | 409  | 517   | 702  | 849   | 911  | 430  |
| 85°  | 77   | 239   | 448  | 602   | 664  | 94   |
| 90°  | 0    | 147   | 347  | 494   | 556  | 3    |
| 95°  | 0    | 93    | 262  | 401   | 455  | 0    |
| 105° | 0    | 31    | 147  | 255   | 293  | 0    |
| 115° | 0    | 15    | 85   | 154   | 185  | 0    |
| 125° | 0    | 8     | 54   | 100   | 116  | 0    |
| 135° | 0    | 0     | 31   | 62    | 77   | 0    |
| 145° | 0    | 0     | 15   | 39    | 46   | 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: P1357426  
 CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV\_4000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 2454.1 | 2454.1 | 2454.1 | 2454.1 | 2454.1 |
| 2.5°   | 2438.7 | 2461.8 | 2454.1 | 2446.4 | 2446.4 |
| 5°     | 2431.0 | 2454.1 | 2446.4 | 2446.4 | 2454.1 |
| 7.5°   | 2415.5 | 2438.7 | 2438.7 | 2438.7 | 2446.4 |
| 10°    | 2392.4 | 2423.2 | 2423.2 | 2423.2 | 2431.0 |
| 12.5°  | 2369.2 | 2392.4 | 2400.1 | 2407.8 | 2415.5 |
| 15°    | 2330.6 | 2361.5 | 2376.9 | 2384.7 | 2400.1 |
| 17.5°  | 2292.1 | 2315.2 | 2338.4 | 2361.5 | 2369.2 |
| 20°    | 2245.7 | 2276.6 | 2299.8 | 2322.9 | 2330.6 |
| 22.5°  | 2191.7 | 2222.6 | 2253.5 | 2276.6 | 2292.1 |
| 25°    | 2130.0 | 2160.9 | 2207.2 | 2238.0 | 2253.5 |
| 27.5°  | 2068.2 | 2099.1 | 2153.1 | 2191.7 | 2207.2 |
| 30°    | 1991.1 | 2037.4 | 2091.4 | 2137.7 | 2160.9 |
| 32.5°  | 1921.6 | 1967.9 | 2029.7 | 2083.7 | 2099.1 |
| 35°    | 1852.2 | 1898.5 | 1967.9 | 2021.9 | 2045.1 |
| 37.5°  | 1775.0 | 1829.0 | 1898.5 | 1960.2 | 1983.4 |
| 40°    | 1697.8 | 1751.8 | 1829.0 | 1898.5 | 1913.9 |
| 42.5°  | 1620.6 | 1674.7 | 1767.3 | 1829.0 | 1852.2 |
| 45°    | 1535.8 | 1597.5 | 1690.1 | 1759.6 | 1790.4 |
| 47.5°  | 1450.9 | 1512.6 | 1605.2 | 1682.4 | 1713.3 |
| 50°    | 1358.3 | 1427.7 | 1528.0 | 1605.2 | 1636.1 |
| 52.5°  | 1273.4 | 1342.8 | 1443.1 | 1528.0 | 1566.6 |
| 55°    | 1180.8 | 1250.2 | 1358.3 | 1450.9 | 1489.4 |
| 57.5°  | 1088.1 | 1157.6 | 1273.4 | 1373.7 | 1412.3 |
| 60°    | 995.5  | 1065.0 | 1180.8 | 1296.5 | 1335.1 |
| 62.5°  | 895.2  | 972.4  | 1095.9 | 1211.6 | 1257.9 |
| 65°    | 794.9  | 879.8  | 1011.0 | 1134.4 | 1188.5 |
| 67.5°  | 702.3  | 787.2  | 926.1  | 1065.0 | 1111.3 |
| 70°    | 602.0  | 694.6  | 848.9  | 987.8  | 1041.8 |
| 72.5°  | 501.6  | 602.0  | 771.7  | 918.4  | 972.4  |
| 75°    | 409.0  | 517.1  | 702.3  | 848.9  | 910.6  |
| 77.5°  | 308.7  | 439.9  | 632.8  | 787.2  | 841.2  |
| 80°    | 223.8  | 362.7  | 563.4  | 725.4  | 779.5  |
| 82.5°  | 146.6  | 293.3  | 501.6  | 663.7  | 717.7  |
| 85°    | 77.2   | 239.2  | 447.6  | 602.0  | 663.7  |
| 87.5°  | 23.2   | 185.2  | 393.6  | 547.9  | 602.0  |
| 90°    | 0.0    | 146.6  | 347.3  | 493.9  | 555.6  |
| 92.5°  | 0.0    | 115.8  | 301.0  | 447.6  | 501.6  |
| 95°    | 0.0    | 92.6   | 262.4  | 401.3  | 455.3  |
| 97.5°  | 0.0    | 77.2   | 231.5  | 362.7  | 409.0  |
| 100°   | 0.0    | 61.7   | 200.7  | 324.1  | 370.4  |
| 102.5° | 0.0    | 46.3   | 169.8  | 285.5  | 331.8  |
| 105°   | 0.0    | 30.9   | 146.6  | 254.7  | 293.3  |
| 107.5° | 0.0    | 23.2   | 123.5  | 223.8  | 262.4  |
| 110°   | 0.0    | 23.2   | 115.8  | 192.9  | 231.5  |



TEST NUMBER: P1357426  
 CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV\_4000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45°   | 67.5° | 90°   |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 0.0 | 15.4  | 100.3 | 177.5 | 208.4 |
| 115°   | 0.0 | 15.4  | 84.9  | 154.3 | 185.2 |
| 117.5° | 0.0 | 15.4  | 77.2  | 138.9 | 169.8 |
| 120°   | 0.0 | 15.4  | 69.5  | 123.5 | 146.6 |
| 122.5° | 0.0 | 7.7   | 61.7  | 108.0 | 131.2 |
| 125°   | 0.0 | 7.7   | 54.0  | 100.3 | 115.8 |
| 127.5° | 0.0 | 7.7   | 46.3  | 92.6  | 108.0 |
| 130°   | 0.0 | 7.7   | 46.3  | 84.9  | 100.3 |
| 132.5° | 0.0 | 0.0   | 38.6  | 77.2  | 92.6  |
| 135°   | 0.0 | 0.0   | 30.9  | 61.7  | 77.2  |
| 137.5° | 0.0 | 0.0   | 30.9  | 54.0  | 69.5  |
| 140°   | 0.0 | 0.0   | 23.2  | 54.0  | 61.7  |
| 142.5° | 0.0 | 0.0   | 15.4  | 46.3  | 54.0  |
| 145°   | 0.0 | 0.0   | 15.4  | 38.6  | 46.3  |
| 147.5° | 0.0 | 0.0   | 7.7   | 30.9  | 38.6  |
| 150°   | 0.0 | 0.0   | 7.7   | 23.2  | 30.9  |
| 152.5° | 0.0 | 0.0   | 0.0   | 15.4  | 23.2  |
| 155°   | 0.0 | 0.0   | 0.0   | 7.7   | 15.4  |
| 157.5° | 0.0 | 0.0   | 0.0   | 0.0   | 7.7   |
| 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   |



TEST NUMBER: P1357426  
 CATALOG NUMBER: 8ASL4-10HE-2-92765-UNV\_4000K

**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 | 17.30            | 18.84 | 17.78 | 19.30 | 19.79 | 19.41          | 20.94 | 19.88 | 21.40 | 21.89 |
|                 | 3H   | 18.80            | 20.21 | 19.29 | 20.68 | 21.21 | 21.88          | 23.28 | 22.36 | 23.75 | 24.28 |
|                 | 4H   | 19.28            | 20.61 | 19.79 | 21.10 | 21.64 | 23.10          | 24.43 | 23.61 | 24.92 | 25.46 |
|                 | 6H   | 19.56            | 20.80 | 20.08 | 21.30 | 21.86 | 24.40          | 25.64 | 24.92 | 26.14 | 26.70 |
|                 | 8H   | 19.61            | 20.80 | 20.14 | 21.32 | 21.89 | 25.08          | 26.27 | 25.61 | 26.79 | 27.36 |
|                 | 12H  | 19.63            | 20.76 | 20.17 | 21.28 | 21.88 | 25.85          | 26.99 | 26.39 | 27.51 | 28.10 |
| 4H              | 2H   | 18.19            | 19.52 | 18.70 | 20.01 | 20.55 | 19.83          | 21.16 | 20.34 | 21.65 | 22.19 |
|                 | 3H   | 19.93            | 21.07 | 20.45 | 21.60 | 22.16 | 22.53          | 23.67 | 23.05 | 24.20 | 24.76 |
|                 | 4H   | 20.54            | 21.58 | 21.08 | 22.12 | 22.72 | 23.93          | 24.97 | 24.47 | 25.51 | 26.11 |
|                 | 6H   | 20.94            | 21.86 | 21.50 | 22.43 | 23.04 | 25.43          | 26.35 | 25.99 | 26.91 | 27.53 |
|                 | 8H   | 21.04            | 21.90 | 21.60 | 22.47 | 23.09 | 26.22          | 27.08 | 26.78 | 27.65 | 28.27 |
|                 | 12H  | 21.09            | 21.87 | 21.67 | 22.46 | 23.10 | 27.11          | 27.90 | 27.70 | 28.49 | 29.12 |
| 8H              | 4H   | 21.25            | 22.11 | 21.81 | 22.68 | 23.30 | 24.15          | 25.01 | 24.72 | 25.58 | 26.21 |
|                 | 6H   | 21.83            | 22.57 | 22.43 | 23.17 | 23.80 | 25.82          | 26.55 | 26.42 | 27.16 | 27.79 |
|                 | 8H   | 22.02            | 22.68 | 22.63 | 23.30 | 23.94 | 26.76          | 27.42 | 27.37 | 28.04 | 28.68 |
|                 | 12H  | 22.14            | 22.73 | 22.75 | 23.34 | 24.05 | 27.84          | 28.42 | 28.45 | 29.03 | 29.74 |
| 12H             | 4H   | 21.45            | 22.24 | 22.04 | 22.83 | 23.46 | 24.16          | 24.94 | 24.75 | 25.54 | 26.17 |
|                 | 6H   | 22.14            | 22.81 | 22.75 | 23.42 | 24.07 | 25.86          | 26.52 | 26.47 | 27.14 | 27.78 |
|                 | 8H   | 22.43            | 23.02 | 23.04 | 23.63 | 24.34 | 26.86          | 27.45 | 27.47 | 28.06 | 28.77 |