

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: P1438858

Luminaire Tested: CB2-B-030U-055D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438858
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-030U-055D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

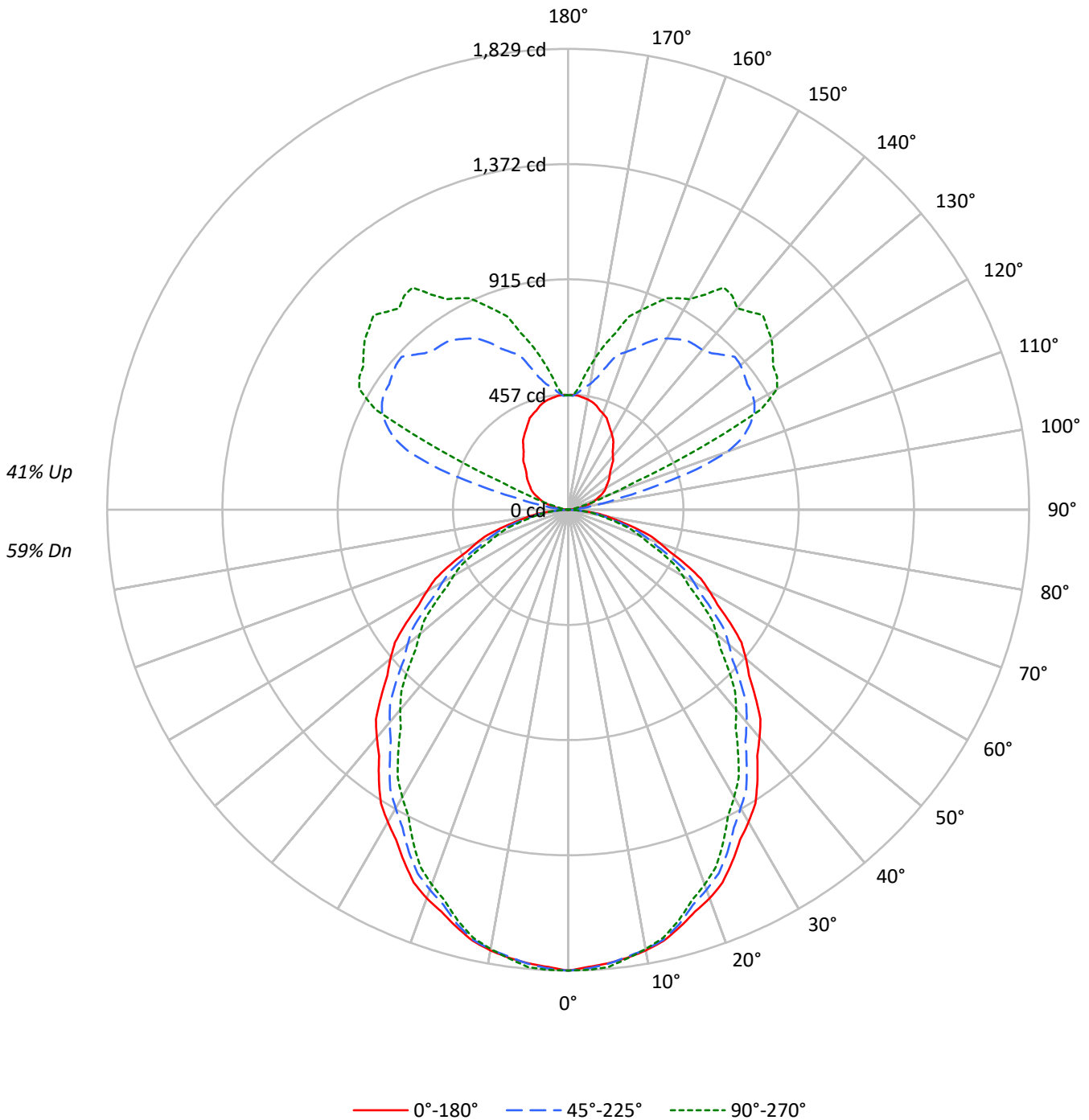
Lumens per Lamp: N/A
Luminaire Lumens: 7249.4 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 54.9
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 76 | 76 | 76 | 64 | 64 | 64 | 59 |
| 1 | 100 | 96 | 92 | 88 | 93 | 89 | 86 | 83 | 78 | 75 | 73 | 67 | 65 | 64 | 57 | 56 | 55 | 50 |
| 2 | 91 | 84 | 78 | 73 | 85 | 78 | 73 | 69 | 68 | 64 | 61 | 59 | 56 | 53 | 51 | 48 | 46 | 42 |
| 3 | 83 | 74 | 67 | 61 | 78 | 69 | 63 | 58 | 61 | 56 | 51 | 52 | 49 | 45 | 45 | 42 | 40 | 36 |
| 4 | 76 | 66 | 58 | 52 | 71 | 62 | 54 | 49 | 54 | 48 | 44 | 47 | 43 | 39 | 40 | 37 | 34 | 31 |
| 5 | 70 | 59 | 50 | 44 | 65 | 55 | 48 | 42 | 48 | 43 | 38 | 42 | 38 | 34 | 36 | 33 | 30 | 27 |
| 6 | 65 | 53 | 45 | 39 | 60 | 50 | 42 | 37 | 44 | 38 | 33 | 38 | 34 | 30 | 33 | 30 | 27 | 24 |
| 7 | 60 | 48 | 40 | 34 | 56 | 45 | 38 | 33 | 40 | 34 | 30 | 35 | 30 | 27 | 30 | 27 | 24 | 21 |
| 8 | 56 | 43 | 36 | 30 | 52 | 41 | 34 | 29 | 36 | 31 | 26 | 32 | 27 | 24 | 28 | 24 | 21 | 19 |
| 9 | 52 | 40 | 32 | 27 | 49 | 38 | 31 | 26 | 33 | 28 | 24 | 30 | 25 | 22 | 26 | 22 | 19 | 17 |
| 10 | 49 | 37 | 29 | 24 | 46 | 35 | 28 | 23 | 31 | 25 | 22 | 27 | 23 | 20 | 24 | 20 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 15930 | 15930 | 15930 |
| 5° | 15795 | 15819 | 15930 |
| 10° | 15705 | 15668 | 15656 |
| 15° | 15456 | 15355 | 15229 |
| 20° | 15213 | 14875 | 14668 |
| 25° | 14805 | 14387 | 13983 |
| 30° | 14394 | 13761 | 13240 |
| 35° | 13923 | 13118 | 12493 |
| 40° | 13423 | 12515 | 11782 |
| 45° | 12921 | 11885 | 11092 |
| 50° | 12467 | 11272 | 10417 |
| 55° | 11908 | 10633 | 9782 |
| 60° | 11271 | 10025 | 9148 |
| 65° | 10592 | 9351 | 8515 |
| 70° | 9844 | 8594 | 7702 |
| 75° | 8954 | 7776 | 6975 |
| 80° | 8009 | 6816 | 6324 |
| 85° | 6155 | 5596 | 4616 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12921 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 172.0 | 2.4 |
| 10°-20° | 479.5 | 6.6 |
| 20°-30° | 689.4 | 9.5 |
| 30°-40° | 774.9 | 10.7 |
| 40°-50° | 748.6 | 10.3 |
| 50°-60° | 632.5 | 8.7 |
| 60°-70° | 454.3 | 6.3 |
| 70°-80° | 248.3 | 3.4 |
| 80°-90° | 65.9 | 0.9 |
| 90°-100° | 34.0 | 0.5 |
| 100°-110° | 210.7 | 2.9 |
| 110°-120° | 531.4 | 7.3 |
| 120°-130° | 638.8 | 8.8 |
| 130°-140° | 579.2 | 8.0 |
| 140°-150° | 461.8 | 6.4 |
| 150°-160° | 315.0 | 4.3 |
| 160°-170° | 166.6 | 2.3 |
| 170°-180° | 46.4 | 0.6 |
| 0°-30° | 1341.0 | 18.5 |
| 0°-40° | 2115.9 | 29.2 |
| 0°-60° | 3496.9 | 48.2 |
| 0°-90° | 4265.5 | 58.8 |
| 90°-120° | 776.1 | 10.7 |
| 90°-150° | 2455.9 | 33.9 |
| 90°-180° | 2984.0 | 41.2 |
| 0°-180° | 7249.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1829 | 1829 | 1829 | 1829 | 1829 | |
| 5° | 1807 | 1831 | 1810 | 1810 | 1822 | 172 |
| 15° | 1714 | 1729 | 1703 | 1686 | 1689 | 483 |
| 25° | 1541 | 1542 | 1497 | 1463 | 1455 | 709 |
| 35° | 1310 | 1294 | 1234 | 1186 | 1175 | 818 |
| 45° | 1049 | 1027 | 965 | 914 | 901 | 811 |
| 55° | 784 | 756 | 700 | 657 | 644 | 701 |
| 65° | 514 | 495 | 454 | 421 | 413 | 510 |
| 75° | 266 | 250 | 231 | 213 | 207 | 285 |
| 85° | 62 | 58 | 56 | 49 | 46 | 73 |
| 90° | 0 | 0 | 0 | 0 | 0 | 3 |
| 95° | 18 | 44 | 14 | 10 | 10 | 22 |
| 105° | 86 | 241 | 348 | 87 | 59 | 90 |
| 115° | 149 | 329 | 795 | 740 | 564 | 146 |
| 125° | 194 | 399 | 867 | 987 | 992 | 173 |
| 135° | 243 | 442 | 869 | 1018 | 1092 | 189 |
| 145° | 311 | 464 | 820 | 988 | 1077 | 195 |
| 155° | 378 | 474 | 730 | 880 | 926 | 174 |
| 165° | 429 | 469 | 589 | 694 | 726 | 120 |
| 175° | 454 | 460 | 468 | 476 | 485 | 43 |
| 180° | 454 | 454 | 454 | 454 | 454 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1829.2 | 1829.2 | 1829.2 | 1829.2 | 1829.2 |
| 2.5° | 1816.9 | 1838.8 | 1822.5 | 1824.8 | 1828.1 |
| 5° | 1806.8 | 1831.4 | 1809.6 | 1809.9 | 1822.2 |
| 7.5° | 1793.9 | 1817.2 | 1789.7 | 1784.6 | 1796.1 |
| 10° | 1776.0 | 1799.3 | 1771.8 | 1762.2 | 1770.4 |
| 12.5° | 1752.4 | 1774.6 | 1748.2 | 1733.0 | 1740.1 |
| 15° | 1714.3 | 1729.4 | 1703.1 | 1686.4 | 1689.1 |
| 17.5° | 1672.9 | 1682.2 | 1644.3 | 1630.2 | 1627.5 |
| 20° | 1641.5 | 1649.7 | 1605.1 | 1585.4 | 1582.7 |
| 22.5° | 1601.2 | 1608.3 | 1561.4 | 1537.2 | 1533.4 |
| 25° | 1540.7 | 1542.0 | 1497.2 | 1463.4 | 1455.2 |
| 27.5° | 1477.4 | 1473.0 | 1423.3 | 1383.3 | 1372.6 |
| 30° | 1431.4 | 1425.9 | 1368.4 | 1326.2 | 1316.6 |
| 32.5° | 1382.1 | 1372.3 | 1314.6 | 1269.0 | 1259.4 |
| 35° | 1309.6 | 1294.5 | 1233.9 | 1186.1 | 1175.1 |
| 37.5° | 1232.3 | 1215.3 | 1155.8 | 1103.7 | 1091.4 |
| 40° | 1180.7 | 1161.5 | 1100.9 | 1048.8 | 1036.4 |
| 42.5° | 1129.2 | 1107.8 | 1046.0 | 993.8 | 980.4 |
| 45° | 1049.1 | 1027.1 | 965.0 | 914.3 | 900.6 |
| 47.5° | 972.9 | 944.9 | 884.6 | 834.2 | 820.5 |
| 50° | 920.2 | 890.1 | 832.0 | 782.6 | 768.9 |
| 52.5° | 866.4 | 835.2 | 779.3 | 732.2 | 718.5 |
| 55° | 784.3 | 755.6 | 700.3 | 656.6 | 644.3 |
| 57.5° | 703.1 | 675.4 | 625.0 | 583.2 | 571.2 |
| 60° | 647.1 | 623.8 | 575.6 | 536.2 | 525.2 |
| 62.5° | 593.3 | 572.2 | 526.3 | 490.2 | 479.3 |
| 65° | 514.0 | 494.8 | 453.8 | 421.4 | 413.2 |
| 67.5° | 437.0 | 417.8 | 384.6 | 355.5 | 346.2 |
| 70° | 386.6 | 367.4 | 337.5 | 310.7 | 302.5 |
| 72.5° | 338.4 | 318.1 | 293.8 | 269.3 | 263.3 |
| 75° | 266.1 | 249.7 | 231.1 | 212.8 | 207.3 |
| 77.5° | 202.2 | 186.4 | 172.8 | 159.9 | 158.5 |
| 80° | 159.7 | 146.0 | 135.9 | 127.4 | 126.1 |
| 82.5° | 119.3 | 108.9 | 102.2 | 96.1 | 95.8 |
| 85° | 61.6 | 57.5 | 56.0 | 49.0 | 46.2 |
| 87.5° | 17.9 | 17.9 | 15.7 | 13.4 | 13.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 4.7 | 7.8 | 3.1 | 3.1 | 3.1 |
| 95° | 17.6 | 44.4 | 13.7 | 9.8 | 9.8 |
| 97.5° | 36.8 | 106.5 | 74.0 | 19.9 | 17.2 |
| 100° | 50.9 | 154.2 | 127.2 | 29.2 | 23.5 |
| 102.5° | 65.0 | 195.9 | 200.8 | 46.4 | 36.0 |
| 105° | 86.1 | 241.2 | 348.4 | 87.4 | 58.7 |
| 107.5° | 106.9 | 270.7 | 534.0 | 180.4 | 108.8 |
| 110° | 119.4 | 287.8 | 673.4 | 281.3 | 168.3 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|--------|--------|
| 112.5° | 131.9 | 304.9 | 750.1 | 450.9 | 290.5 |
| 115° | 148.8 | 328.7 | 794.7 | 739.8 | 563.7 |
| 117.5° | 162.9 | 350.4 | 833.1 | 914.9 | 863.2 |
| 120° | 172.3 | 367.5 | 853.4 | 940.0 | 957.2 |
| 122.5° | 181.6 | 379.9 | 864.4 | 949.7 | 982.2 |
| 125° | 193.8 | 398.6 | 867.1 | 986.7 | 992.4 |
| 127.5° | 205.9 | 412.6 | 880.1 | 1020.7 | 1023.3 |
| 130° | 215.3 | 422.0 | 892.6 | 1032.0 | 1053.1 |
| 132.5° | 226.3 | 429.9 | 897.3 | 1038.5 | 1070.3 |
| 135° | 242.7 | 441.8 | 869.1 | 1017.6 | 1092.2 |
| 137.5° | 263.5 | 450.3 | 842.1 | 1017.0 | 1065.2 |
| 140° | 276.0 | 452.1 | 828.0 | 1039.5 | 1043.3 |
| 142.5° | 290.1 | 457.0 | 824.9 | 1037.0 | 1069.9 |
| 145° | 311.2 | 464.3 | 820.2 | 988.5 | 1076.6 |
| 147.5° | 332.4 | 469.0 | 802.2 | 935.0 | 1012.0 |
| 150° | 346.5 | 470.9 | 784.9 | 917.2 | 965.0 |
| 152.5° | 360.6 | 472.7 | 763.0 | 906.0 | 946.2 |
| 155° | 377.8 | 473.5 | 730.1 | 879.9 | 925.9 |
| 157.5° | 395.8 | 471.2 | 690.6 | 832.3 | 882.4 |
| 160° | 405.2 | 468.3 | 665.5 | 797.7 | 841.7 |
| 162.5° | 414.6 | 467.0 | 643.6 | 752.4 | 804.1 |
| 165° | 428.7 | 468.9 | 589.2 | 693.7 | 726.2 |
| 167.5° | 438.1 | 467.2 | 538.3 | 623.9 | 669.8 |
| 170° | 444.3 | 467.3 | 507.0 | 570.5 | 608.8 |
| 172.5° | 449.0 | 459.8 | 488.2 | 521.7 | 547.7 |
| 175° | 454.1 | 459.9 | 467.8 | 475.9 | 485.4 |
| 177.5° | 455.7 | 458.8 | 452.6 | 451.1 | 454.1 |
| 180° | 454.1 | 454.1 | 454.1 | 454.1 | 454.1 |



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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 | 17.40 | 18.33 | 18.28 | 19.23 | 20.37 | 16.30 | 17.23 | 17.18 | 18.13 | 19.27 |
| | 3H | 19.05 | 19.89 | 19.94 | 20.79 | 21.96 | 17.83 | 18.67 | 18.72 | 19.58 | 20.74 |
| | 4H | 19.68 | 20.47 | 20.59 | 21.39 | 22.56 | 18.41 | 19.20 | 19.32 | 20.11 | 21.29 |
| | 6H | 20.09 | 20.82 | 21.01 | 21.74 | 22.92 | 18.78 | 19.51 | 19.70 | 20.43 | 21.62 |
| | 8H | 20.24 | 20.93 | 21.16 | 21.87 | 23.06 | 18.93 | 19.62 | 19.85 | 20.56 | 21.74 |
| | 12H | 20.31 | 20.97 | 21.25 | 21.91 | 23.12 | 18.99 | 19.65 | 19.92 | 20.58 | 21.80 |
| 4H | 2H | 17.82 | 18.61 | 18.73 | 19.52 | 20.70 | 16.94 | 17.73 | 17.86 | 18.65 | 19.82 |
| | 3H | 19.69 | 20.35 | 20.62 | 21.30 | 22.49 | 18.68 | 19.34 | 19.61 | 20.29 | 21.48 |
| | 4H | 20.44 | 21.04 | 21.38 | 21.98 | 23.20 | 19.36 | 19.96 | 20.29 | 20.90 | 22.12 |
| | 6H | 20.97 | 21.48 | 21.91 | 22.45 | 23.66 | 19.84 | 20.36 | 20.79 | 21.32 | 22.54 |
| | 8H | 21.17 | 21.66 | 22.12 | 22.61 | 23.84 | 20.03 | 20.51 | 20.98 | 21.47 | 22.70 |
| | 12H | 21.28 | 21.72 | 22.25 | 22.69 | 23.93 | 20.12 | 20.56 | 21.09 | 21.53 | 22.77 |
| 8H | 4H | 20.60 | 21.09 | 21.55 | 22.04 | 23.27 | 19.64 | 20.12 | 20.59 | 21.08 | 22.31 |
| | 6H | 21.25 | 21.65 | 22.22 | 22.65 | 23.88 | 20.25 | 20.65 | 21.22 | 21.65 | 22.87 |
| | 8H | 21.54 | 21.89 | 22.52 | 22.88 | 24.13 | 20.52 | 20.88 | 21.51 | 21.86 | 23.11 |
| | 12H | 21.72 | 22.03 | 22.70 | 23.01 | 24.30 | 20.68 | 20.99 | 21.66 | 21.97 | 23.26 |
| 12H | 4H | 20.59 | 21.02 | 21.56 | 22.00 | 23.23 | 19.65 | 20.08 | 20.62 | 21.06 | 22.29 |
| | 6H | 21.28 | 21.63 | 22.26 | 22.62 | 23.87 | 20.31 | 20.66 | 21.29 | 21.65 | 22.90 |
| | 8H | 21.60 | 21.91 | 22.59 | 22.89 | 24.18 | 20.62 | 20.93 | 21.61 | 21.91 | 23.21 |