

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: P1439449

Luminaire Tested: CB3-B-085U-085D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439449
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-085U-085D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

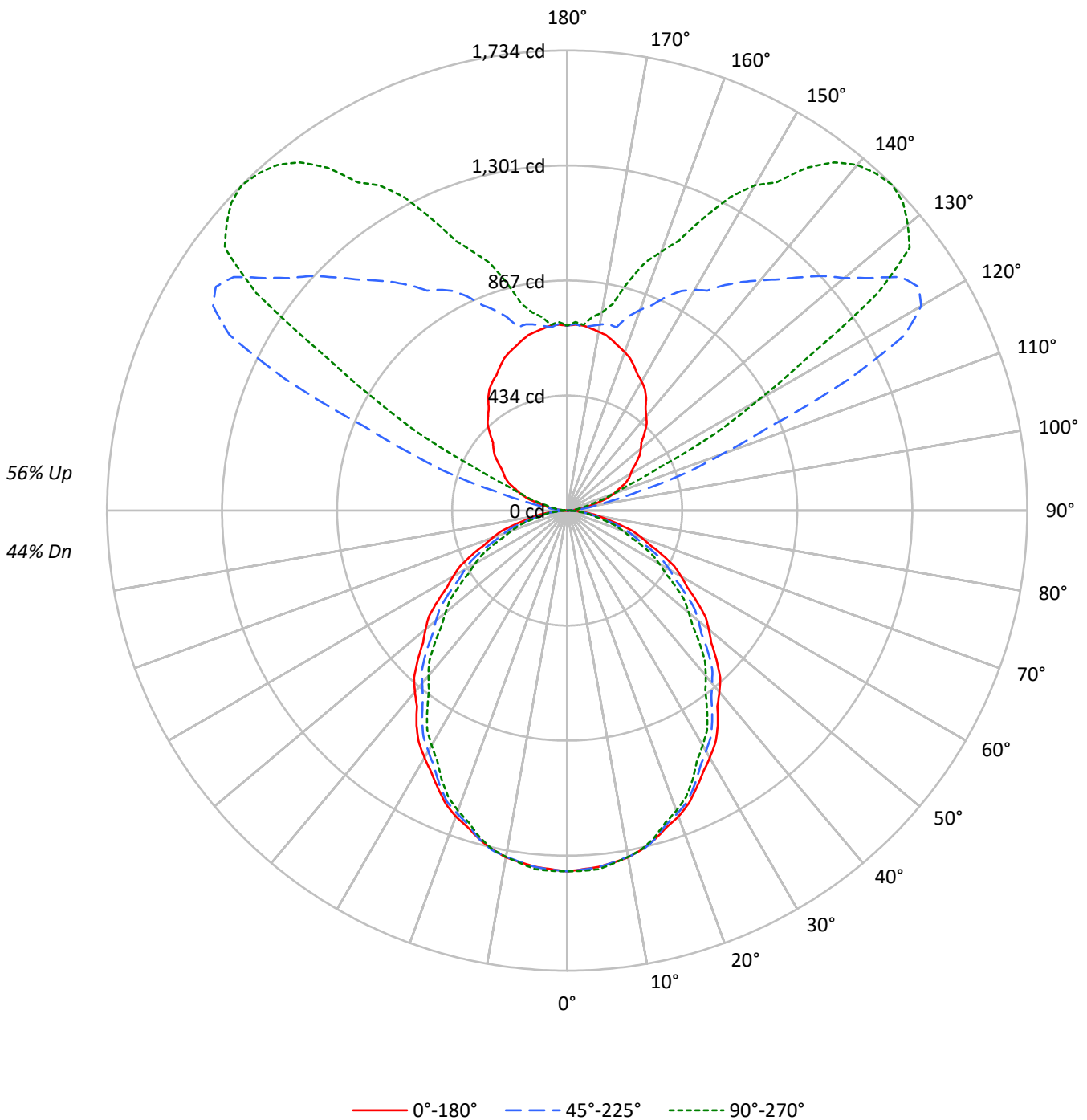
Lumens per Lamp: N/A
Luminaire Lumens: 7352.7 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 49.5
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





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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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 44 |
| 1 | 97 | 92 | 89 | 85 | 88 | 85 | 82 | 79 | 70 | 68 | 66 | 57 | 56 | 54 | 45 | 44 | 43 | 38 |
| 2 | 88 | 81 | 75 | 70 | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 51 | 48 | 46 | 40 | 38 | 37 | 32 |
| 3 | 80 | 71 | 64 | 58 | 73 | 66 | 59 | 54 | 55 | 50 | 46 | 45 | 41 | 39 | 36 | 33 | 31 | 27 |
| 4 | 74 | 63 | 55 | 49 | 67 | 58 | 51 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5 | 68 | 56 | 48 | 42 | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 29 | 26 | 24 | 20 |
| 6 | 62 | 50 | 43 | 37 | 57 | 47 | 40 | 34 | 39 | 34 | 30 | 33 | 28 | 25 | 26 | 23 | 21 | 18 |
| 7 | 58 | 46 | 38 | 32 | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 26 | 22 | 24 | 21 | 19 | 16 |
| 8 | 53 | 41 | 34 | 29 | 49 | 38 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 14 |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10 | 46 | 35 | 28 | 23 | 43 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 15383 | 15383 | 15383 |
| 5° | 15310 | 15322 | 15409 |
| 10° | 15244 | 15222 | 15222 |
| 15° | 15010 | 15010 | 14920 |
| 20° | 14767 | 14615 | 14487 |
| 25° | 14394 | 14213 | 13960 |
| 30° | 14042 | 13676 | 13347 |
| 35° | 13672 | 13165 | 12698 |
| 40° | 13179 | 12552 | 12010 |
| 45° | 12732 | 12006 | 11265 |
| 50° | 12272 | 11354 | 10539 |
| 55° | 11773 | 10725 | 9847 |
| 60° | 11231 | 10074 | 9067 |
| 65° | 10599 | 9333 | 8246 |
| 70° | 9872 | 8466 | 7347 |
| 75° | 8949 | 7432 | 6544 |
| 80° | 7799 | 6229 | 5786 |
| 85° | 6024 | 5271 | 5271 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12732 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 128.3 | 1.7 |
| 10°-20° | 360.4 | 4.9 |
| 20°-30° | 523.6 | 7.1 |
| 30°-40° | 595.3 | 8.1 |
| 40°-50° | 577.9 | 7.9 |
| 50°-60° | 487.9 | 6.6 |
| 60°-70° | 347.1 | 4.7 |
| 70°-80° | 185.5 | 2.5 |
| 80°-90° | 49.0 | 0.7 |
| 90°-100° | 47.1 | 0.6 |
| 100°-110° | 246.9 | 3.4 |
| 110°-120° | 621.4 | 8.5 |
| 120°-130° | 958.7 | 13.0 |
| 130°-140° | 877.7 | 11.9 |
| 140°-150° | 647.7 | 8.8 |
| 150°-160° | 412.9 | 5.6 |
| 160°-170° | 217.4 | 3.0 |
| 170°-180° | 67.7 | 0.9 |
| 0°-30° | 1012.3 | 13.8 |
| 0°-40° | 1607.6 | 21.9 |
| 0°-60° | 2673.5 | 36.4 |
| 0°-90° | 3255.1 | 44.3 |
| 90°-120° | 915.4 | 12.5 |
| 90°-150° | 3399.6 | 46.2 |
| 90°-180° | 4098.0 | 55.7 |
| 0°-180° | 7352.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1360 | 1360 | 1360 | 1360 | 1360 | |
| 5° | 1348 | 1365 | 1349 | 1347 | 1357 | 128 |
| 15° | 1281 | 1293 | 1281 | 1274 | 1274 | 361 |
| 25° | 1153 | 1157 | 1138 | 1123 | 1118 | 531 |
| 35° | 990 | 980 | 953 | 925 | 919 | 617 |
| 45° | 796 | 783 | 750 | 714 | 704 | 614 |
| 55° | 597 | 581 | 544 | 509 | 499 | 534 |
| 65° | 396 | 382 | 349 | 318 | 308 | 392 |
| 75° | 205 | 193 | 170 | 152 | 150 | 218 |
| 85° | 46 | 43 | 41 | 41 | 41 | 55 |
| 90° | 0 | 0 | 0 | 0 | 0 | 3 |
| 95° | 25 | 70 | 28 | 15 | 15 | 31 |
| 105° | 126 | 390 | 282 | 116 | 95 | 134 |
| 115° | 239 | 488 | 1172 | 510 | 387 | 233 |
| 125° | 319 | 493 | 1534 | 1547 | 1430 | 286 |
| 135° | 411 | 549 | 1243 | 1695 | 1734 | 318 |
| 145° | 519 | 600 | 1037 | 1442 | 1577 | 322 |
| 155° | 598 | 644 | 890 | 1101 | 1215 | 276 |
| 165° | 663 | 681 | 715 | 836 | 893 | 187 |
| 175° | 700 | 715 | 694 | 697 | 703 | 66 |
| 180° | 697 | 697 | 697 | 697 | 697 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1359.6 | 1359.6 | 1359.6 | 1359.6 | 1359.6 |
| 2.5° | 1352.7 | 1366.3 | 1354.2 | 1355.8 | 1358.8 |
| 5° | 1348.0 | 1365.0 | 1349.0 | 1347.3 | 1356.7 |
| 7.5° | 1337.6 | 1353.1 | 1336.4 | 1332.6 | 1341.1 |
| 10° | 1326.8 | 1343.8 | 1324.9 | 1320.1 | 1324.9 |
| 12.5° | 1307.5 | 1325.2 | 1310.2 | 1302.4 | 1306.3 |
| 15° | 1281.4 | 1292.7 | 1281.4 | 1273.7 | 1273.7 |
| 17.5° | 1249.5 | 1261.4 | 1240.1 | 1234.6 | 1232.5 |
| 20° | 1226.4 | 1236.7 | 1213.8 | 1206.0 | 1203.2 |
| 22.5° | 1195.5 | 1205.1 | 1186.0 | 1172.8 | 1169.2 |
| 25° | 1153.0 | 1156.8 | 1138.5 | 1122.9 | 1118.2 |
| 27.5° | 1110.3 | 1111.2 | 1086.2 | 1067.3 | 1061.0 |
| 30° | 1074.8 | 1075.7 | 1046.8 | 1026.4 | 1021.6 |
| 32.5° | 1039.2 | 1036.4 | 1008.9 | 984.7 | 981.5 |
| 35° | 989.8 | 980.3 | 953.1 | 925.0 | 919.3 |
| 37.5° | 930.1 | 924.4 | 892.3 | 864.1 | 855.6 |
| 40° | 892.3 | 882.8 | 849.8 | 821.6 | 813.1 |
| 42.5° | 854.4 | 843.4 | 809.6 | 778.3 | 769.0 |
| 45° | 795.7 | 783.4 | 750.3 | 714.3 | 704.0 |
| 47.5° | 736.6 | 723.2 | 686.8 | 651.9 | 640.4 |
| 50° | 697.2 | 683.0 | 645.0 | 611.0 | 598.7 |
| 52.5° | 657.0 | 642.1 | 604.1 | 569.3 | 559.3 |
| 55° | 596.8 | 580.7 | 543.7 | 508.7 | 499.2 |
| 57.5° | 536.5 | 520.6 | 483.8 | 450.7 | 439.4 |
| 60° | 496.3 | 481.2 | 445.2 | 412.1 | 400.7 |
| 62.5° | 455.4 | 441.0 | 405.8 | 373.5 | 362.9 |
| 65° | 395.9 | 381.7 | 348.6 | 317.5 | 308.0 |
| 67.5° | 337.0 | 324.9 | 292.2 | 263.6 | 256.1 |
| 70° | 298.4 | 287.1 | 255.9 | 229.7 | 222.1 |
| 72.5° | 261.3 | 249.2 | 219.6 | 197.3 | 192.0 |
| 75° | 204.7 | 193.4 | 170.0 | 152.5 | 149.7 |
| 77.5° | 153.0 | 143.7 | 123.4 | 113.5 | 112.0 |
| 80° | 119.7 | 111.2 | 95.6 | 88.8 | 88.8 |
| 82.5° | 88.8 | 81.9 | 71.7 | 68.8 | 68.8 |
| 85° | 46.4 | 42.6 | 40.6 | 40.6 | 40.6 |
| 87.5° | 13.9 | 13.9 | 13.1 | 12.4 | 12.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 7.4 | 17.0 | 4.9 | 2.5 | 4.9 |
| 95° | 24.6 | 69.6 | 27.6 | 15.3 | 15.3 |
| 97.5° | 50.9 | 155.4 | 71.2 | 38.0 | 34.4 |
| 100° | 70.6 | 220.6 | 110.5 | 55.1 | 49.1 |
| 102.5° | 92.7 | 285.9 | 167.0 | 74.6 | 63.8 |
| 105° | 125.8 | 389.9 | 282.3 | 116.1 | 95.1 |
| 107.5° | 162.7 | 460.9 | 465.3 | 179.0 | 144.2 |
| 110° | 187.2 | 490.3 | 619.9 | 235.1 | 181.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|--------|--------|--------|
| 112.5° | 209.3 | 498.0 | 826.2 | 320.6 | 247.4 |
| 115° | 239.4 | 488.4 | 1172.3 | 509.7 | 386.7 |
| 117.5° | 261.5 | 464.9 | 1435.0 | 810.9 | 625.5 |
| 120° | 276.2 | 465.3 | 1540.6 | 1038.7 | 831.7 |
| 122.5° | 293.4 | 468.0 | 1570.1 | 1265.0 | 1074.7 |
| 125° | 319.2 | 493.2 | 1534.5 | 1547.2 | 1430.1 |
| 127.5° | 345.0 | 511.8 | 1438.7 | 1663.2 | 1626.5 |
| 130° | 362.1 | 524.2 | 1362.6 | 1702.7 | 1675.7 |
| 132.5° | 379.3 | 536.6 | 1308.6 | 1703.6 | 1717.4 |
| 135° | 411.2 | 549.3 | 1242.9 | 1695.0 | 1734.0 |
| 137.5° | 443.8 | 565.0 | 1181.5 | 1641.3 | 1722.3 |
| 140° | 463.4 | 577.4 | 1132.4 | 1583.2 | 1700.2 |
| 142.5° | 485.5 | 587.5 | 1085.8 | 1529.3 | 1653.6 |
| 145° | 518.7 | 599.7 | 1037.3 | 1442.4 | 1577.4 |
| 147.5° | 544.4 | 606.2 | 982.7 | 1354.7 | 1466.3 |
| 150° | 561.6 | 606.6 | 960.6 | 1276.8 | 1414.8 |
| 152.5° | 576.4 | 619.0 | 933.6 | 1205.3 | 1331.3 |
| 155° | 598.4 | 643.5 | 890.0 | 1101.3 | 1215.3 |
| 157.5° | 620.5 | 663.8 | 838.4 | 1023.7 | 1101.1 |
| 160° | 635.3 | 671.3 | 804.1 | 986.3 | 1037.3 |
| 162.5° | 647.6 | 678.8 | 767.2 | 922.6 | 980.8 |
| 165° | 662.9 | 680.9 | 715.1 | 836.1 | 893.1 |
| 167.5° | 677.0 | 686.0 | 719.4 | 751.1 | 797.3 |
| 170° | 684.4 | 693.4 | 712.0 | 743.0 | 758.0 |
| 172.5° | 691.7 | 705.5 | 702.2 | 723.3 | 735.9 |
| 175° | 699.7 | 714.7 | 693.6 | 696.8 | 702.8 |
| 177.5° | 701.6 | 708.8 | 704.0 | 704.2 | 711.4 |
| 180° | 696.7 | 696.7 | 696.7 | 696.7 | 696.7 |



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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 | 16.09 | 16.89 | 17.10 | 17.91 | 19.26 | 15.01 | 15.81 | 16.02 | 16.83 | 18.18 |
| | 3H | 17.75 | 18.47 | 18.77 | 19.50 | 20.87 | 16.42 | 17.14 | 17.44 | 18.16 | 19.54 |
| | 4H | 18.38 | 19.06 | 19.41 | 20.09 | 21.47 | 16.94 | 17.62 | 17.97 | 18.64 | 20.02 |
| | 6H | 18.76 | 19.39 | 19.80 | 20.42 | 21.81 | 17.25 | 17.88 | 18.29 | 18.91 | 20.30 |
| | 8H | 18.90 | 19.49 | 19.94 | 20.54 | 21.93 | 17.37 | 17.97 | 18.42 | 19.02 | 20.40 |
| | 12H | 18.96 | 19.53 | 20.01 | 20.57 | 21.98 | 17.45 | 18.01 | 18.50 | 19.05 | 20.47 |
| 4H | 2H | 16.49 | 17.17 | 17.53 | 18.20 | 19.58 | 15.63 | 16.31 | 16.67 | 17.34 | 18.72 |
| | 3H | 18.38 | 18.94 | 19.42 | 20.00 | 21.39 | 17.25 | 17.81 | 18.29 | 18.87 | 20.26 |
| | 4H | 19.12 | 19.64 | 20.17 | 20.69 | 22.10 | 17.85 | 18.37 | 18.90 | 19.42 | 20.83 |
| | 6H | 19.62 | 20.07 | 20.68 | 21.14 | 22.55 | 18.26 | 18.71 | 19.32 | 19.78 | 21.19 |
| | 8H | 19.81 | 20.23 | 20.87 | 21.29 | 22.72 | 18.43 | 18.84 | 19.49 | 19.91 | 21.33 |
| | 12H | 19.91 | 20.28 | 20.98 | 21.36 | 22.79 | 18.53 | 18.91 | 19.61 | 19.98 | 21.42 |
| 8H | 4H | 19.25 | 19.66 | 20.31 | 20.73 | 22.15 | 18.11 | 18.52 | 19.17 | 19.59 | 21.01 |
| | 6H | 19.86 | 20.21 | 20.95 | 21.31 | 22.73 | 18.63 | 18.98 | 19.72 | 20.08 | 21.51 |
| | 8H | 20.14 | 20.44 | 21.23 | 21.53 | 22.97 | 18.89 | 19.19 | 19.98 | 20.28 | 21.72 |
| | 12H | 20.30 | 20.57 | 21.40 | 21.65 | 23.13 | 19.06 | 19.33 | 20.15 | 20.41 | 21.89 |
| 12H | 4H | 19.22 | 19.59 | 20.30 | 20.67 | 22.10 | 18.11 | 18.48 | 19.19 | 19.56 | 20.99 |
| | 6H | 19.88 | 20.18 | 20.97 | 21.27 | 22.71 | 18.69 | 18.99 | 19.78 | 20.08 | 21.52 |
| | 8H | 20.18 | 20.44 | 21.27 | 21.53 | 23.01 | 18.97 | 19.24 | 20.07 | 20.32 | 21.80 |