

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: P1439532

Luminaire Tested: CB3-D-055U-030D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439532
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-055U-030D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

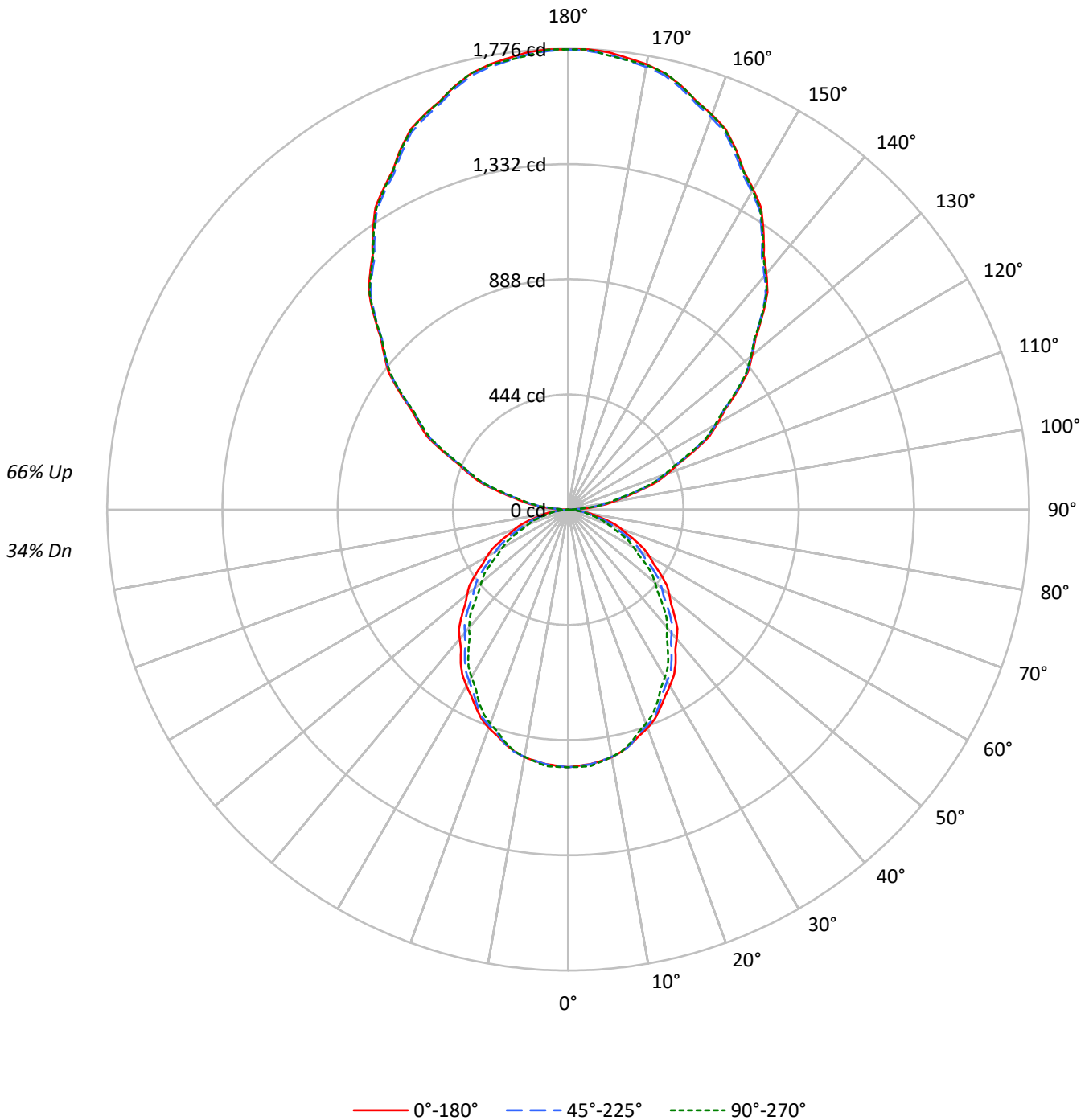
Lumens per Lamp: N/A
Luminaire Lumens: 6945.6 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 53.2
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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 75 | 75 | 75 | 57 | 57 | 57 | 42 | 42 | 42 | 34 |
| 1 | 94 | 90 | 86 | 83 | 85 | 82 | 78 | 76 | 65 | 63 | 61 | 51 | 49 | 48 | 37 | 36 | 35 | 29 |
| 2 | 86 | 79 | 73 | 68 | 77 | 71 | 66 | 62 | 57 | 54 | 51 | 45 | 42 | 40 | 33 | 31 | 30 | 25 |
| 3 | 78 | 69 | 62 | 57 | 71 | 63 | 57 | 52 | 51 | 46 | 43 | 39 | 37 | 34 | 29 | 27 | 26 | 21 |
| 4 | 72 | 61 | 54 | 48 | 65 | 56 | 49 | 44 | 45 | 40 | 37 | 35 | 32 | 29 | 26 | 24 | 22 | 18 |
| 5 | 66 | 55 | 47 | 41 | 59 | 50 | 43 | 38 | 40 | 35 | 32 | 32 | 28 | 25 | 23 | 21 | 19 | 16 |
| 6 | 61 | 49 | 41 | 35 | 55 | 45 | 38 | 33 | 36 | 31 | 27 | 29 | 25 | 22 | 21 | 19 | 17 | 14 |
| 7 | 56 | 44 | 36 | 31 | 50 | 40 | 33 | 29 | 33 | 28 | 24 | 26 | 22 | 20 | 19 | 17 | 15 | 12 |
| 8 | 52 | 40 | 32 | 27 | 47 | 37 | 30 | 25 | 30 | 25 | 21 | 24 | 20 | 17 | 18 | 15 | 14 | 11 |
| 9 | 48 | 36 | 29 | 24 | 44 | 33 | 27 | 23 | 27 | 22 | 19 | 22 | 18 | 16 | 16 | 14 | 12 | 10 |
| 10 | 45 | 33 | 26 | 22 | 41 | 31 | 24 | 20 | 25 | 20 | 17 | 20 | 17 | 14 | 15 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5615 | 5615 | 5615 |
| 5° | 5588 | 5592 | 5632 |
| 10° | 5564 | 5556 | 5556 |
| 15° | 5479 | 5479 | 5446 |
| 20° | 5390 | 5335 | 5280 |
| 25° | 5247 | 5180 | 5088 |
| 30° | 5118 | 4984 | 4865 |
| 35° | 4983 | 4798 | 4628 |
| 40° | 4803 | 4574 | 4377 |
| 45° | 4640 | 4376 | 4105 |
| 50° | 4473 | 4138 | 3841 |
| 55° | 4290 | 3909 | 3589 |
| 60° | 4094 | 3672 | 3305 |
| 65° | 3863 | 3401 | 3005 |
| 70° | 3598 | 3085 | 2678 |
| 75° | 3261 | 2708 | 2385 |
| 80° | 2844 | 2271 | 2111 |
| 85° | 2194 | 1921 | 1921 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4640 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 93.6 | 1.3 |
| 10°-20° | 263.1 | 3.8 |
| 20°-30° | 381.8 | 5.5 |
| 30°-40° | 434.0 | 6.2 |
| 40°-50° | 421.3 | 6.1 |
| 50°-60° | 355.7 | 5.1 |
| 60°-70° | 253.1 | 3.6 |
| 70°-80° | 135.2 | 1.9 |
| 80°-90° | 35.7 | 0.5 |
| 90°-100° | 75.0 | 1.1 |
| 100°-110° | 293.3 | 4.2 |
| 110°-120° | 522.7 | 7.5 |
| 120°-130° | 707.4 | 10.2 |
| 130°-140° | 813.3 | 11.7 |
| 140°-150° | 816.1 | 11.7 |
| 150°-160° | 701.8 | 10.1 |
| 160°-170° | 475.1 | 6.8 |
| 170°-180° | 167.6 | 2.4 |
| 0°-30° | 738.6 | 10.6 |
| 0°-40° | 1172.5 | 16.9 |
| 0°-60° | 1949.5 | 28.1 |
| 0°-90° | 2373.5 | 34.2 |
| 90°-120° | 891.0 | 12.8 |
| 90°-150° | 3227.7 | 46.5 |
| 90°-180° | 4572.0 | 65.8 |
| 0°-180° | 6945.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 992 | 992 | 992 | 992 | 992 | |
| 5° | 984 | 996 | 985 | 984 | 992 | 93 |
| 15° | 935 | 944 | 935 | 930 | 930 | 263 |
| 25° | 840 | 843 | 830 | 819 | 815 | 387 |
| 35° | 722 | 715 | 695 | 674 | 670 | 450 |
| 45° | 580 | 571 | 547 | 521 | 513 | 447 |
| 55° | 435 | 423 | 396 | 371 | 364 | 389 |
| 65° | 289 | 278 | 254 | 231 | 224 | 286 |
| 75° | 149 | 141 | 124 | 111 | 109 | 159 |
| 85° | 34 | 31 | 30 | 30 | 30 | 40 |
| 90° | 0 | 0 | 0 | 0 | 0 | 4 |
| 95° | 72 | 65 | 58 | 54 | 56 | 82 |
| 105° | 284 | 283 | 273 | 269 | 267 | 303 |
| 115° | 533 | 536 | 524 | 522 | 521 | 529 |
| 125° | 794 | 804 | 788 | 785 | 786 | 710 |
| 135° | 1058 | 1069 | 1052 | 1044 | 1054 | 816 |
| 145° | 1311 | 1322 | 1300 | 1294 | 1306 | 819 |
| 155° | 1530 | 1544 | 1518 | 1512 | 1528 | 704 |
| 165° | 1689 | 1704 | 1681 | 1672 | 1689 | 476 |
| 175° | 1770 | 1786 | 1762 | 1751 | 1757 | 168 |
| 180° | 1774 | 1774 | 1774 | 1774 | 1774 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 992.5 | 992.5 | 992.5 | 992.5 | 992.5 |
| 2.5° | 987.4 | 997.3 | 988.5 | 989.7 | 991.9 |
| 5° | 984.0 | 996.4 | 984.7 | 983.5 | 991.7 |
| 7.5° | 976.4 | 987.7 | 975.6 | 972.7 | 978.9 |
| 10° | 968.5 | 980.9 | 967.1 | 963.7 | 967.1 |
| 12.5° | 954.4 | 967.4 | 956.4 | 950.7 | 953.6 |
| 15° | 935.4 | 943.7 | 935.4 | 929.8 | 929.8 |
| 17.5° | 912.2 | 920.9 | 905.3 | 901.3 | 899.5 |
| 20° | 895.3 | 902.9 | 886.2 | 880.5 | 877.1 |
| 22.5° | 872.8 | 879.8 | 865.9 | 855.2 | 852.3 |
| 25° | 840.5 | 843.2 | 829.9 | 818.6 | 815.1 |
| 27.5° | 809.3 | 810.0 | 791.7 | 778.0 | 773.4 |
| 30° | 783.4 | 784.1 | 763.0 | 748.2 | 744.7 |
| 32.5° | 757.5 | 755.5 | 735.4 | 717.8 | 715.4 |
| 35° | 721.5 | 714.6 | 694.7 | 674.2 | 670.1 |
| 37.5° | 678.0 | 673.9 | 650.4 | 629.8 | 623.7 |
| 40° | 650.4 | 643.5 | 619.4 | 598.9 | 592.7 |
| 42.5° | 622.8 | 614.8 | 590.1 | 567.3 | 560.6 |
| 45° | 580.0 | 571.1 | 546.9 | 520.7 | 513.1 |
| 47.5° | 536.9 | 527.2 | 500.6 | 475.2 | 466.8 |
| 50° | 508.2 | 497.9 | 470.2 | 445.4 | 436.4 |
| 52.5° | 478.9 | 468.1 | 440.4 | 415.0 | 407.7 |
| 55° | 435.0 | 423.3 | 396.3 | 370.8 | 363.9 |
| 57.5° | 391.1 | 379.5 | 352.7 | 328.5 | 320.3 |
| 60° | 361.8 | 350.8 | 324.5 | 300.4 | 292.1 |
| 62.5° | 332.0 | 321.5 | 295.8 | 272.2 | 264.5 |
| 65° | 288.6 | 278.3 | 254.1 | 231.4 | 224.5 |
| 67.5° | 245.7 | 236.9 | 213.0 | 192.2 | 186.7 |
| 70° | 217.5 | 209.2 | 186.5 | 167.4 | 161.9 |
| 72.5° | 190.5 | 181.7 | 160.1 | 143.8 | 139.9 |
| 75° | 149.2 | 141.0 | 123.9 | 111.2 | 109.1 |
| 77.5° | 111.5 | 104.8 | 90.0 | 82.8 | 81.7 |
| 80° | 87.3 | 81.1 | 69.7 | 64.8 | 64.8 |
| 82.5° | 64.8 | 59.7 | 52.2 | 50.1 | 50.1 |
| 85° | 33.8 | 31.0 | 29.6 | 29.6 | 29.6 |
| 87.5° | 10.1 | 10.1 | 9.6 | 9.0 | 9.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 19.6 | 17.5 | 10.9 | 8.7 | 8.7 |
| 95° | 72.1 | 65.4 | 58.5 | 54.4 | 55.8 |
| 97.5° | 133.0 | 126.6 | 118.1 | 114.0 | 115.1 |
| 100° | 175.5 | 170.2 | 160.5 | 156.4 | 156.4 |
| 102.5° | 216.8 | 213.6 | 204.0 | 200.0 | 201.0 |
| 105° | 284.3 | 283.0 | 273.4 | 269.3 | 266.6 |
| 107.5° | 358.8 | 356.4 | 345.8 | 345.4 | 343.1 |
| 110° | 406.7 | 405.4 | 395.8 | 394.4 | 393.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 455.7 | 457.5 | 447.0 | 445.6 | 444.3 |
| 115° | 533.2 | 535.9 | 523.7 | 522.3 | 521.0 |
| 117.5° | 612.7 | 616.4 | 603.4 | 602.0 | 599.6 |
| 120° | 663.8 | 671.8 | 655.6 | 654.2 | 652.9 |
| 122.5° | 716.0 | 723.0 | 707.9 | 705.4 | 705.2 |
| 125° | 794.4 | 803.7 | 787.6 | 784.9 | 786.2 |
| 127.5° | 872.7 | 882.3 | 867.3 | 861.9 | 864.8 |
| 130° | 925.0 | 935.6 | 919.5 | 914.2 | 918.2 |
| 132.5° | 978.3 | 988.9 | 972.8 | 967.5 | 973.7 |
| 135° | 1058.3 | 1068.9 | 1051.5 | 1043.6 | 1054.2 |
| 137.5° | 1136.4 | 1145.7 | 1126.6 | 1121.1 | 1132.3 |
| 140° | 1187.5 | 1196.8 | 1176.6 | 1170.1 | 1183.4 |
| 142.5° | 1237.6 | 1247.9 | 1225.6 | 1219.1 | 1233.5 |
| 145° | 1311.3 | 1321.9 | 1300.4 | 1293.9 | 1305.8 |
| 147.5° | 1382.0 | 1392.9 | 1371.1 | 1363.5 | 1375.8 |
| 150° | 1425.5 | 1437.5 | 1414.7 | 1408.2 | 1421.5 |
| 152.5° | 1468.0 | 1481.0 | 1457.1 | 1449.6 | 1466.1 |
| 155° | 1530.3 | 1543.6 | 1518.0 | 1511.6 | 1527.6 |
| 157.5° | 1586.3 | 1598.6 | 1575.4 | 1569.0 | 1582.8 |
| 160° | 1620.1 | 1633.4 | 1609.2 | 1602.7 | 1618.7 |
| 162.5° | 1649.4 | 1662.7 | 1640.7 | 1632.1 | 1648.1 |
| 165° | 1689.4 | 1704.1 | 1681.3 | 1672.1 | 1689.4 |
| 167.5° | 1722.9 | 1738.6 | 1714.5 | 1706.1 | 1723.4 |
| 170° | 1742.5 | 1757.1 | 1733.0 | 1722.5 | 1739.8 |
| 172.5° | 1755.5 | 1770.2 | 1746.0 | 1735.4 | 1747.4 |
| 175° | 1769.7 | 1785.6 | 1761.5 | 1750.8 | 1757.4 |
| 177.5° | 1775.9 | 1788.7 | 1769.4 | 1760.0 | 1774.9 |
| 180° | 1773.8 | 1773.8 | 1773.8 | 1773.8 | 1773.8 |



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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 | 11.46 | 12.19 | 12.54 | 13.27 | 14.75 | 10.38 | 11.11 | 11.47 | 12.19 | 13.67 |
| | 3H | 13.12 | 13.77 | 14.21 | 14.86 | 16.36 | 11.79 | 12.44 | 12.88 | 13.53 | 15.03 |
| | 4H | 13.74 | 14.36 | 14.85 | 15.45 | 16.96 | 12.30 | 12.92 | 13.40 | 14.01 | 15.51 |
| | 6H | 14.12 | 14.69 | 15.23 | 15.78 | 17.30 | 12.61 | 13.18 | 13.72 | 14.27 | 15.79 |
| | 8H | 14.25 | 14.79 | 15.37 | 15.91 | 17.42 | 12.73 | 13.27 | 13.84 | 14.38 | 15.89 |
| | 12H | 14.32 | 14.83 | 15.44 | 15.93 | 17.47 | 12.80 | 13.31 | 13.92 | 14.42 | 15.95 |
| 4H | 2H | 11.85 | 12.47 | 12.96 | 13.56 | 15.07 | 10.99 | 11.61 | 12.10 | 12.70 | 14.21 |
| | 3H | 13.73 | 14.25 | 14.85 | 15.36 | 16.88 | 12.60 | 13.12 | 13.72 | 14.23 | 15.75 |
| | 4H | 14.47 | 14.95 | 15.59 | 16.05 | 17.59 | 13.20 | 13.67 | 14.32 | 14.78 | 16.32 |
| | 6H | 14.97 | 15.37 | 16.10 | 16.51 | 18.04 | 13.61 | 14.01 | 14.74 | 15.14 | 16.67 |
| | 8H | 15.16 | 15.54 | 16.28 | 16.66 | 18.20 | 13.77 | 14.15 | 14.90 | 15.28 | 16.82 |
| | 12H | 15.25 | 15.59 | 16.39 | 16.73 | 18.28 | 13.87 | 14.22 | 15.02 | 15.35 | 16.90 |
| 8H | 4H | 14.59 | 14.97 | 15.72 | 16.09 | 17.64 | 13.45 | 13.83 | 14.58 | 14.95 | 16.50 |
| | 6H | 15.21 | 15.52 | 16.36 | 16.68 | 18.23 | 13.98 | 14.29 | 15.13 | 15.45 | 17.00 |
| | 8H | 15.48 | 15.75 | 16.64 | 16.90 | 18.46 | 14.23 | 14.50 | 15.38 | 15.65 | 17.21 |
| | 12H | 15.64 | 15.88 | 16.80 | 17.02 | 18.62 | 14.40 | 14.64 | 15.56 | 15.78 | 17.38 |
| 12H | 4H | 14.56 | 14.90 | 15.70 | 16.04 | 17.59 | 13.45 | 13.79 | 14.59 | 14.93 | 16.48 |
| | 6H | 15.22 | 15.49 | 16.38 | 16.64 | 18.20 | 14.03 | 14.31 | 15.19 | 15.45 | 17.01 |
| | 8H | 15.52 | 15.76 | 16.67 | 16.90 | 18.50 | 14.31 | 14.55 | 15.47 | 15.69 | 17.29 |