

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: P1439172

Luminaire Tested: CB3-055U-030D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439172
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-055U-030D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

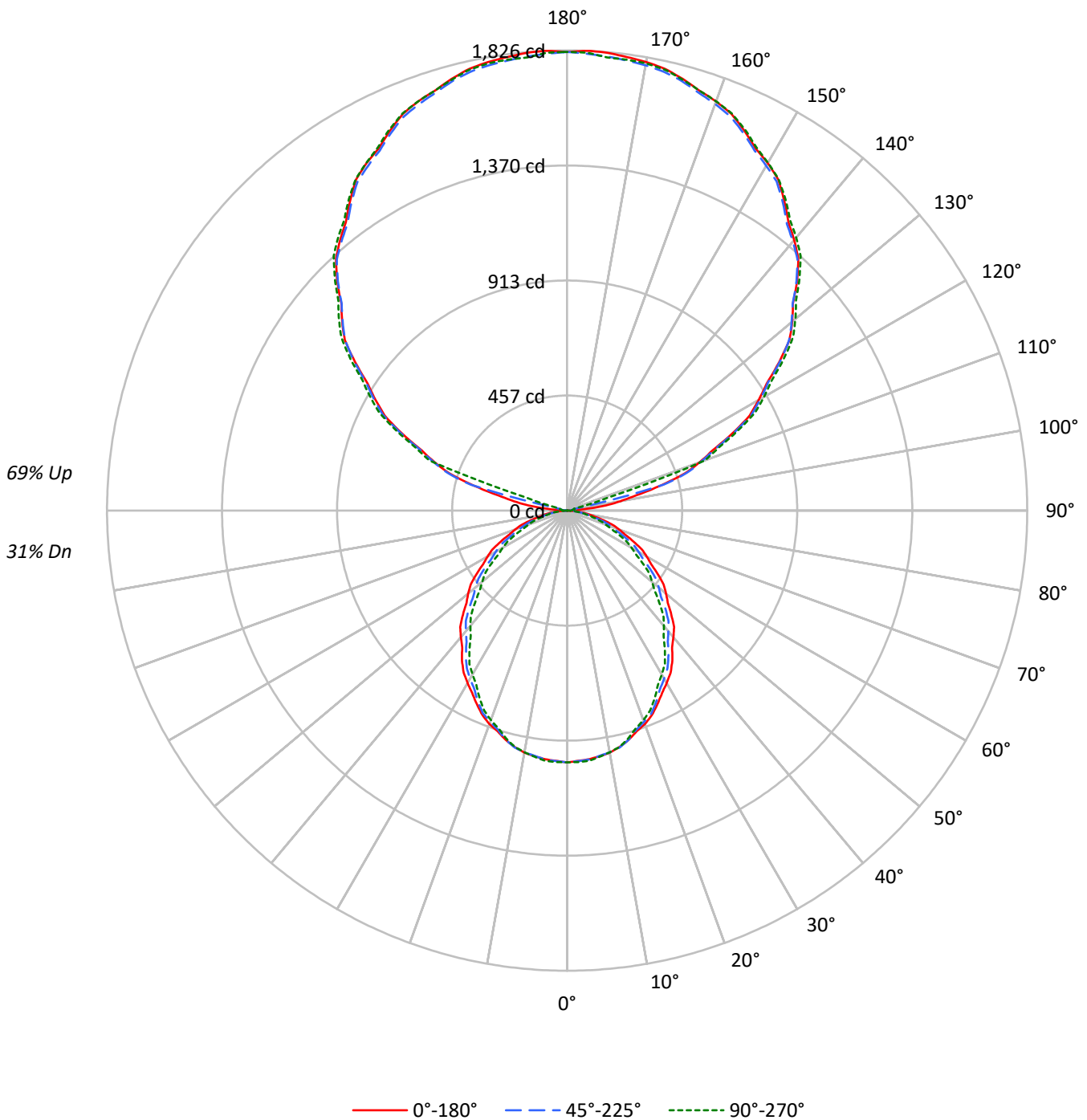
Lumens per Lamp: N/A
Luminaire Lumens: 7763.3 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 53.2
Input Voltage (V): 120
Input Current (Ain): 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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 31 | | |
| 1 | 94 | 89 | 86 | 82 | 84 | 81 | 77 | 75 | 64 | 62 | 60 | 48 | 47 | 46 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 26 | | |
| 2 | 85 | 78 | 72 | 67 | 76 | 70 | 66 | 61 | 56 | 53 | 50 | 43 | 40 | 38 | 30 | 29 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 22 | | |
| 3 | 78 | 69 | 62 | 56 | 70 | 62 | 56 | 51 | 49 | 45 | 42 | 38 | 35 | 33 | 27 | 25 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 19 | | |
| 4 | 71 | 61 | 53 | 47 | 64 | 55 | 48 | 43 | 44 | 39 | 36 | 34 | 30 | 28 | 24 | 22 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 16 | | |
| 5 | 65 | 54 | 46 | 41 | 58 | 49 | 42 | 37 | 39 | 34 | 31 | 30 | 27 | 24 | 22 | 20 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 14 | | |
| 6 | 60 | 48 | 41 | 35 | 54 | 44 | 37 | 32 | 35 | 30 | 27 | 27 | 24 | 21 | 20 | 17 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 13 | | |
| 7 | 55 | 44 | 36 | 31 | 50 | 40 | 33 | 28 | 32 | 27 | 23 | 25 | 21 | 19 | 18 | 16 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 11 | | |
| 8 | 51 | 40 | 32 | 27 | 46 | 36 | 29 | 25 | 29 | 24 | 21 | 23 | 19 | 17 | 16 | 14 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 10 | | |
| 9 | 48 | 36 | 29 | 24 | 43 | 33 | 26 | 22 | 27 | 22 | 18 | 21 | 17 | 15 | 15 | 13 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 9 | | |
| 10 | 45 | 33 | 26 | 21 | 40 | 30 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 13 | 14 | 12 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 8 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5653 | 5653 | 5653 |
| 5° | 5626 | 5630 | 5662 |
| 10° | 5602 | 5593 | 5593 |
| 15° | 5516 | 5516 | 5483 |
| 20° | 5426 | 5371 | 5324 |
| 25° | 5290 | 5223 | 5130 |
| 30° | 5160 | 5025 | 4905 |
| 35° | 5024 | 4838 | 4666 |
| 40° | 4843 | 4612 | 4413 |
| 45° | 4679 | 4412 | 4140 |
| 50° | 4510 | 4173 | 3873 |
| 55° | 4326 | 3941 | 3619 |
| 60° | 4128 | 3702 | 3332 |
| 65° | 3895 | 3430 | 3031 |
| 70° | 3627 | 3111 | 2699 |
| 75° | 3290 | 2730 | 2404 |
| 80° | 2867 | 2290 | 2127 |
| 85° | 2213 | 1934 | 1934 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4679 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 94.3 | 1.2 |
| 10°-20° | 264.9 | 3.4 |
| 20°-30° | 384.8 | 5.0 |
| 30°-40° | 437.5 | 5.6 |
| 40°-50° | 424.7 | 5.5 |
| 50°-60° | 358.6 | 4.6 |
| 60°-70° | 255.1 | 3.3 |
| 70°-80° | 136.3 | 1.8 |
| 80°-90° | 36.1 | 0.5 |
| 90°-100° | 42.0 | 0.5 |
| 100°-110° | 304.3 | 3.9 |
| 110°-120° | 723.6 | 9.3 |
| 120°-130° | 924.5 | 11.9 |
| 130°-140° | 997.2 | 12.8 |
| 140°-150° | 940.1 | 12.1 |
| 150°-160° | 766.9 | 9.9 |
| 160°-170° | 499.7 | 6.4 |
| 170°-180° | 172.7 | 2.2 |
| 0°-30° | 744.0 | 9.6 |
| 0°-40° | 1181.5 | 15.2 |
| 0°-60° | 1964.9 | 25.3 |
| 0°-90° | 2392.4 | 30.8 |
| 90°-120° | 1070.0 | 13.8 |
| 90°-150° | 3931.6 | 50.6 |
| 90°-180° | 5371.0 | 69.2 |
| 0°-180° | 7763.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 999 | 999 | 999 | 999 | 999 | |
| 5° | 991 | 1003 | 991 | 990 | 997 | 94 |
| 15° | 942 | 950 | 942 | 936 | 936 | 265 |
| 25° | 847 | 850 | 837 | 825 | 822 | 390 |
| 35° | 727 | 720 | 700 | 680 | 676 | 453 |
| 45° | 585 | 576 | 551 | 525 | 517 | 451 |
| 55° | 439 | 427 | 400 | 374 | 367 | 392 |
| 65° | 291 | 281 | 256 | 233 | 226 | 288 |
| 75° | 150 | 142 | 125 | 112 | 110 | 160 |
| 85° | 34 | 31 | 30 | 30 | 30 | 40 |
| 90° | 0 | 0 | 0 | 1 | 0 | 4 |
| 95° | 77 | 14 | 18 | 19 | 19 | 95 |
| 105° | 385 | 391 | 396 | 29 | 30 | 406 |
| 115° | 723 | 728 | 730 | 741 | 745 | 713 |
| 125° | 1027 | 1034 | 1031 | 1042 | 1049 | 917 |
| 135° | 1290 | 1297 | 1286 | 1296 | 1304 | 994 |
| 145° | 1502 | 1511 | 1492 | 1502 | 1510 | 940 |
| 155° | 1664 | 1677 | 1654 | 1658 | 1669 | 767 |
| 165° | 1773 | 1783 | 1764 | 1758 | 1770 | 501 |
| 175° | 1824 | 1833 | 1809 | 1800 | 1805 | 173 |
| 180° | 1820 | 1820 | 1820 | 1820 | 1820 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|--------|-------|-------|-------|
| 0° | 999.2 | 999.2 | 999.2 | 999.2 | 999.2 |
| 2.5° | 994.1 | 1004.1 | 995.3 | 996.5 | 998.7 |
| 5° | 990.7 | 1003.2 | 991.4 | 990.2 | 997.1 |
| 7.5° | 983.1 | 994.4 | 982.2 | 979.4 | 985.6 |
| 10° | 975.1 | 987.6 | 973.7 | 970.2 | 973.7 |
| 12.5° | 960.9 | 974.0 | 962.9 | 957.2 | 960.1 |
| 15° | 941.8 | 950.1 | 941.8 | 936.1 | 936.1 |
| 17.5° | 918.3 | 927.1 | 911.4 | 907.4 | 905.8 |
| 20° | 901.3 | 908.9 | 892.1 | 886.4 | 884.3 |
| 22.5° | 878.6 | 885.7 | 871.6 | 861.9 | 859.3 |
| 25° | 847.4 | 850.1 | 836.7 | 825.3 | 821.8 |
| 27.5° | 816.0 | 816.7 | 798.3 | 784.4 | 779.8 |
| 30° | 789.9 | 790.6 | 769.3 | 754.3 | 750.9 |
| 32.5° | 763.8 | 761.7 | 741.5 | 723.7 | 721.3 |
| 35° | 727.4 | 720.5 | 700.5 | 679.8 | 675.6 |
| 37.5° | 683.6 | 679.4 | 655.8 | 635.0 | 628.8 |
| 40° | 655.8 | 648.8 | 624.5 | 603.8 | 597.6 |
| 42.5° | 627.9 | 619.9 | 595.0 | 572.0 | 565.2 |
| 45° | 584.8 | 575.8 | 551.4 | 525.0 | 517.4 |
| 47.5° | 541.4 | 531.5 | 504.7 | 479.1 | 470.7 |
| 50° | 512.4 | 502.0 | 474.1 | 449.0 | 440.0 |
| 52.5° | 482.9 | 471.9 | 444.0 | 418.4 | 411.1 |
| 55° | 438.6 | 426.8 | 399.6 | 373.8 | 366.9 |
| 57.5° | 394.3 | 382.6 | 355.6 | 331.2 | 322.9 |
| 60° | 364.8 | 353.7 | 327.2 | 302.8 | 294.5 |
| 62.5° | 334.7 | 324.1 | 298.2 | 274.5 | 266.7 |
| 65° | 291.0 | 280.6 | 256.2 | 233.3 | 226.4 |
| 67.5° | 247.7 | 238.8 | 214.8 | 193.8 | 188.2 |
| 70° | 219.3 | 211.0 | 188.1 | 168.8 | 163.2 |
| 72.5° | 192.0 | 183.2 | 161.4 | 145.0 | 141.1 |
| 75° | 150.5 | 142.1 | 124.9 | 112.1 | 110.0 |
| 77.5° | 112.4 | 105.6 | 90.7 | 83.4 | 82.3 |
| 80° | 88.0 | 81.8 | 70.3 | 65.3 | 65.3 |
| 82.5° | 65.3 | 60.2 | 52.7 | 50.5 | 50.5 |
| 85° | 34.1 | 31.3 | 29.8 | 29.8 | 29.8 |
| 87.5° | 10.2 | 10.2 | 9.7 | 9.4 | 9.1 |
| 90° | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 |
| 92.5° | 20.8 | 8.0 | 6.6 | 7.9 | 7.7 |
| 95° | 76.8 | 13.8 | 17.8 | 19.2 | 19.2 |
| 97.5° | 154.7 | 151.7 | 20.8 | 25.0 | 25.2 |
| 100° | 213.9 | 220.6 | 21.9 | 26.1 | 27.4 |
| 102.5° | 279.8 | 285.4 | 40.6 | 27.2 | 28.5 |
| 105° | 385.4 | 390.7 | 396.3 | 28.8 | 30.2 |
| 107.5° | 490.4 | 494.4 | 498.1 | 448.4 | 167.9 |
| 110° | 559.5 | 563.6 | 565.0 | 578.8 | 581.5 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 624.3 | 629.4 | 632.0 | 643.6 | 648.4 |
| 115° | 722.7 | 728.1 | 729.6 | 740.7 | 744.7 |
| 117.5° | 816.3 | 821.9 | 824.5 | 833.4 | 839.9 |
| 120° | 877.7 | 884.4 | 885.9 | 897.0 | 902.4 |
| 122.5° | 938.1 | 945.8 | 945.2 | 955.2 | 962.8 |
| 125° | 1027.2 | 1033.9 | 1031.3 | 1042.4 | 1049.2 |
| 127.5° | 1112.0 | 1116.0 | 1110.3 | 1123.9 | 1129.5 |
| 130° | 1165.7 | 1169.7 | 1163.0 | 1175.5 | 1182.2 |
| 132.5° | 1215.1 | 1221.3 | 1213.4 | 1224.8 | 1231.6 |
| 135° | 1290.5 | 1297.2 | 1286.4 | 1296.2 | 1304.2 |
| 137.5° | 1357.7 | 1365.8 | 1352.8 | 1364.2 | 1371.2 |
| 140° | 1401.6 | 1409.7 | 1393.4 | 1405.9 | 1414.0 |
| 142.5° | 1442.2 | 1452.4 | 1432.9 | 1444.3 | 1453.5 |
| 145° | 1501.7 | 1511.1 | 1492.1 | 1501.9 | 1510.0 |
| 147.5° | 1558.2 | 1566.3 | 1548.1 | 1555.1 | 1560.7 |
| 150° | 1592.2 | 1600.3 | 1579.9 | 1586.9 | 1593.6 |
| 152.5° | 1619.7 | 1630.9 | 1610.6 | 1615.5 | 1625.4 |
| 155° | 1663.6 | 1677.0 | 1654.0 | 1658.3 | 1669.0 |
| 157.5° | 1703.9 | 1715.9 | 1692.9 | 1696.7 | 1706.1 |
| 160° | 1728.0 | 1740.1 | 1717.0 | 1718.6 | 1728.0 |
| 162.5° | 1746.7 | 1757.7 | 1737.9 | 1735.1 | 1746.7 |
| 165° | 1773.3 | 1782.7 | 1763.7 | 1758.5 | 1770.5 |
| 167.5° | 1795.5 | 1806.2 | 1782.9 | 1778.5 | 1792.2 |
| 170° | 1807.6 | 1818.3 | 1793.8 | 1787.3 | 1802.1 |
| 172.5° | 1815.2 | 1824.9 | 1801.5 | 1792.7 | 1804.3 |
| 175° | 1824.0 | 1833.4 | 1808.9 | 1799.5 | 1804.8 |
| 177.5° | 1826.5 | 1834.0 | 1814.4 | 1805.9 | 1818.8 |
| 180° | 1819.9 | 1819.9 | 1819.9 | 1819.9 | 1819.9 |



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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 | 11.06 | 11.77 | 12.17 | 12.87 | 14.39 | 9.98 | 10.69 | 11.09 | 11.79 | 13.31 |
| | 3H | 12.71 | 13.35 | 13.83 | 14.46 | 16.00 | 11.38 | 12.01 | 12.50 | 13.13 | 14.66 |
| | 4H | 13.34 | 13.94 | 14.46 | 15.05 | 16.59 | 11.89 | 12.49 | 13.02 | 13.60 | 15.15 |
| | 6H | 13.72 | 14.27 | 14.85 | 15.38 | 16.94 | 12.20 | 12.75 | 13.34 | 13.87 | 15.42 |
| | 8H | 13.85 | 14.37 | 14.99 | 15.50 | 17.05 | 12.32 | 12.85 | 13.46 | 13.98 | 15.52 |
| | 12H | 13.91 | 14.41 | 15.05 | 15.53 | 17.10 | 12.39 | 12.89 | 13.53 | 14.01 | 15.58 |
| 4H | 2H | 11.45 | 12.05 | 12.58 | 13.16 | 14.70 | 10.59 | 11.19 | 11.72 | 12.30 | 13.85 |
| | 3H | 13.32 | 13.82 | 14.46 | 14.96 | 16.52 | 12.19 | 12.69 | 13.33 | 13.83 | 15.39 |
| | 4H | 14.07 | 14.53 | 15.21 | 15.65 | 17.23 | 12.80 | 13.25 | 13.94 | 14.38 | 15.96 |
| | 6H | 14.56 | 14.95 | 15.71 | 16.10 | 17.67 | 13.20 | 13.59 | 14.35 | 14.74 | 16.31 |
| | 8H | 14.75 | 15.12 | 15.90 | 16.26 | 17.84 | 13.37 | 13.73 | 14.51 | 14.87 | 16.46 |
| | 12H | 14.84 | 15.17 | 16.00 | 16.32 | 17.91 | 13.46 | 13.80 | 14.63 | 14.95 | 16.54 |
| 8H | 4H | 14.18 | 14.55 | 15.33 | 15.69 | 17.28 | 13.04 | 13.41 | 14.19 | 14.55 | 16.14 |
| | 6H | 14.80 | 15.10 | 15.97 | 16.28 | 17.86 | 13.57 | 13.87 | 14.74 | 15.05 | 16.63 |
| | 8H | 15.07 | 15.34 | 16.25 | 16.50 | 18.10 | 13.82 | 14.08 | 14.99 | 15.24 | 16.85 |
| | 12H | 15.23 | 15.46 | 16.41 | 16.62 | 18.25 | 13.99 | 14.22 | 15.16 | 15.38 | 17.01 |
| 12H | 4H | 14.15 | 14.48 | 15.31 | 15.64 | 17.22 | 13.04 | 13.37 | 14.20 | 14.53 | 16.11 |
| | 6H | 14.81 | 15.08 | 15.99 | 16.24 | 17.84 | 13.62 | 13.89 | 14.80 | 15.05 | 16.65 |
| | 8H | 15.10 | 15.34 | 16.28 | 16.50 | 18.13 | 13.90 | 14.13 | 15.08 | 15.29 | 16.92 |