

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: P1438621

Luminaire Tested: CB2-030U-085D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438621
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-030U-085D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

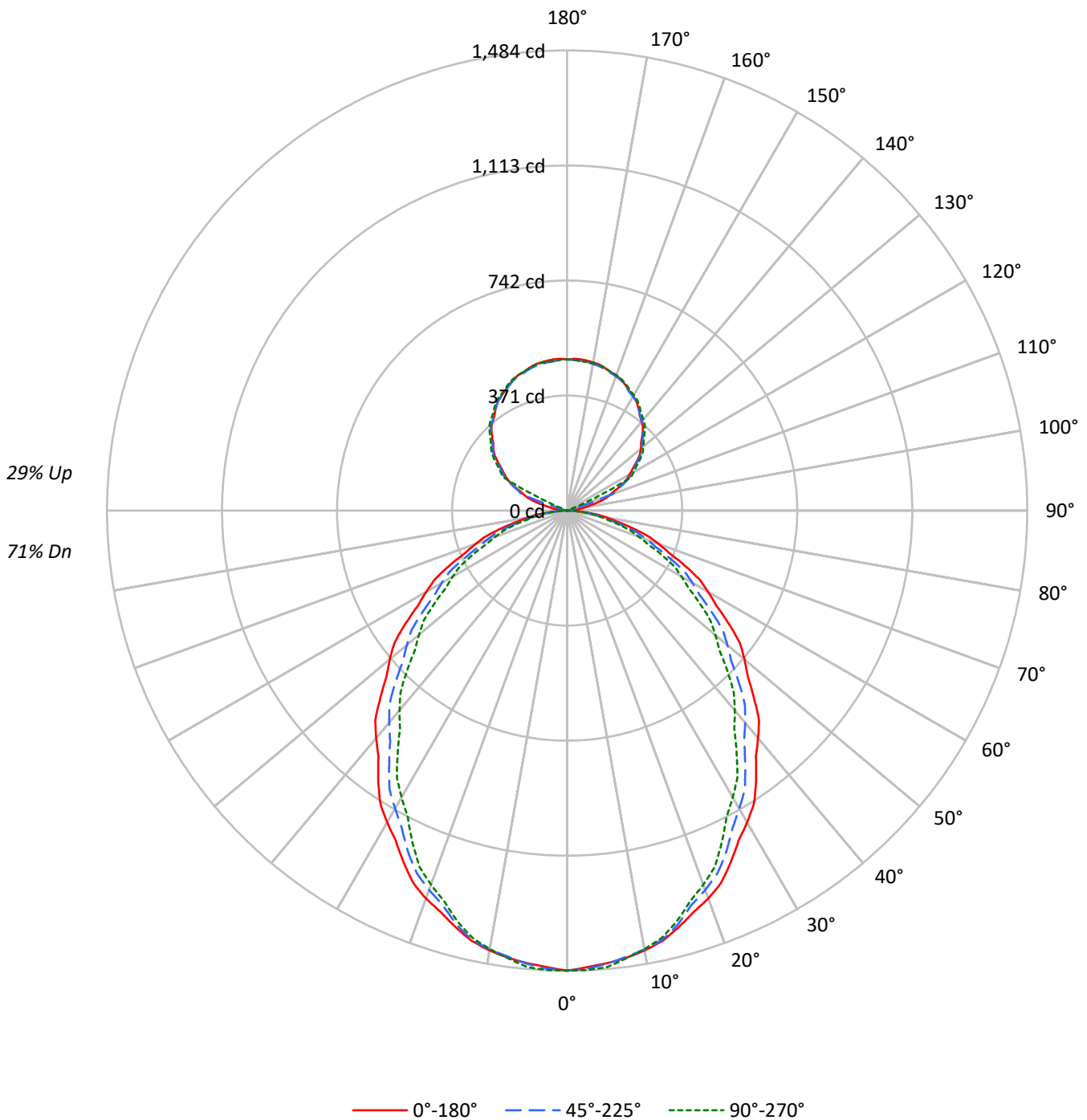
Lumens per Lamp: N/A
Luminaire Lumens: 4849.0 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 37.1
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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 71 | | |
| 1 | 103 | 98 | 95 | 91 | 97 | 93 | 90 | 87 | 84 | 81 | 79 | 75 | 73 | 71 | 67 | 66 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 61 | | |
| 2 | 94 | 86 | 80 | 75 | 89 | 82 | 76 | 72 | 74 | 70 | 66 | 66 | 63 | 60 | 60 | 57 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 51 | | |
| 3 | 86 | 76 | 69 | 63 | 81 | 72 | 66 | 60 | 65 | 60 | 56 | 59 | 55 | 51 | 53 | 50 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 44 | | |
| 4 | 79 | 68 | 60 | 53 | 74 | 64 | 57 | 52 | 58 | 53 | 48 | 53 | 48 | 44 | 48 | 44 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 38 | | |
| 5 | 72 | 61 | 52 | 46 | 68 | 58 | 50 | 45 | 53 | 46 | 42 | 48 | 43 | 39 | 43 | 39 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 33 | | |
| 6 | 67 | 55 | 46 | 40 | 63 | 52 | 45 | 39 | 48 | 41 | 37 | 43 | 38 | 34 | 39 | 35 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 29 | | |
| 7 | 62 | 50 | 41 | 36 | 59 | 47 | 40 | 35 | 43 | 37 | 32 | 39 | 34 | 30 | 36 | 32 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 26 | | |
| 8 | 58 | 45 | 37 | 32 | 55 | 43 | 36 | 31 | 40 | 33 | 29 | 36 | 31 | 27 | 33 | 29 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 23 | | |
| 9 | 54 | 41 | 34 | 29 | 51 | 40 | 33 | 28 | 37 | 30 | 26 | 33 | 28 | 25 | 31 | 26 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 21 | | |
| 10 | 51 | 38 | 31 | 26 | 48 | 37 | 30 | 25 | 34 | 28 | 24 | 31 | 26 | 22 | 28 | 24 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 19 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 25842 | 25842 | 25842 |
| 5° | 25623 | 25663 | 25841 |
| 10° | 25477 | 25417 | 25395 |
| 15° | 25073 | 24909 | 24705 |
| 20° | 24678 | 24131 | 23794 |
| 25° | 24015 | 23338 | 22683 |
| 30° | 23350 | 22322 | 21477 |
| 35° | 22585 | 21280 | 20265 |
| 40° | 21775 | 20302 | 19115 |
| 45° | 20959 | 19279 | 17994 |
| 50° | 20225 | 18285 | 16900 |
| 55° | 19319 | 17248 | 15869 |
| 60° | 18281 | 16264 | 14840 |
| 65° | 17182 | 15170 | 13810 |
| 70° | 15965 | 13943 | 12497 |
| 75° | 14522 | 12611 | 11312 |
| 80° | 12989 | 11053 | 10251 |
| 85° | 9992 | 9073 | 7494 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20959 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 139.5 | 2.9 |
| 10°-20° | 388.9 | 8.0 |
| 20°-30° | 559.2 | 11.5 |
| 30°-40° | 628.5 | 13.0 |
| 40°-50° | 607.2 | 12.5 |
| 50°-60° | 513.0 | 10.6 |
| 60°-70° | 368.5 | 7.6 |
| 70°-80° | 201.4 | 4.2 |
| 80°-90° | 53.5 | 1.1 |
| 90°-100° | 8.5 | 0.2 |
| 100°-110° | 54.1 | 1.1 |
| 110°-120° | 171.7 | 3.5 |
| 120°-130° | 249.2 | 5.1 |
| 130°-140° | 268.0 | 5.5 |
| 140°-150° | 252.3 | 5.2 |
| 150°-160° | 205.5 | 4.2 |
| 160°-170° | 133.8 | 2.8 |
| 170°-180° | 46.2 | 1.0 |
| 0°-30° | 1087.6 | 22.4 |
| 0°-40° | 1716.2 | 35.4 |
| 0°-60° | 2836.4 | 58.5 |
| 0°-90° | 3459.7 | 71.3 |
| 90°-120° | 234.2 | 4.8 |
| 90°-150° | 1003.7 | 20.7 |
| 90°-180° | 1389.0 | 28.6 |
| 0°-180° | 4849.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1484 | 1484 | 1484 | 1484 | 1484 | |
| 5° | 1466 | 1486 | 1468 | 1468 | 1478 | 139 |
| 15° | 1390 | 1403 | 1381 | 1368 | 1370 | 392 |
| 25° | 1250 | 1251 | 1214 | 1187 | 1180 | 575 |
| 35° | 1062 | 1050 | 1001 | 962 | 953 | 664 |
| 45° | 851 | 833 | 783 | 742 | 730 | 657 |
| 55° | 636 | 613 | 568 | 533 | 523 | 569 |
| 65° | 417 | 401 | 368 | 342 | 335 | 413 |
| 75° | 216 | 202 | 187 | 173 | 168 | 231 |
| 85° | 50 | 47 | 45 | 40 | 38 | 59 |
| 90° | 0 | 0 | 0 | 0 | 0 | 3 |
| 95° | 19 | 6 | 6 | 4 | 4 | 25 |
| 105° | 102 | 105 | 11 | 12 | 13 | 107 |
| 115° | 192 | 196 | 198 | 200 | 115 | 189 |
| 125° | 273 | 278 | 278 | 282 | 286 | 244 |
| 135° | 343 | 347 | 347 | 349 | 353 | 265 |
| 145° | 402 | 405 | 402 | 402 | 408 | 251 |
| 155° | 446 | 449 | 444 | 443 | 449 | 206 |
| 165° | 476 | 477 | 472 | 470 | 475 | 134 |
| 175° | 490 | 491 | 484 | 481 | 484 | 47 |
| 180° | 487 | 487 | 487 | 487 | 487 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1483.7 | 1483.7 | 1483.7 | 1483.7 | 1483.7 |
| 2.5° | 1473.7 | 1491.4 | 1478.2 | 1480.1 | 1482.8 |
| 5° | 1465.5 | 1485.5 | 1467.8 | 1468.0 | 1478.0 |
| 7.5° | 1455.0 | 1473.9 | 1451.6 | 1447.5 | 1456.8 |
| 10° | 1440.5 | 1459.4 | 1437.1 | 1429.3 | 1435.9 |
| 12.5° | 1421.4 | 1439.4 | 1418.0 | 1405.6 | 1411.4 |
| 15° | 1390.5 | 1402.7 | 1381.4 | 1367.8 | 1370.1 |
| 17.5° | 1356.9 | 1364.4 | 1333.7 | 1322.3 | 1320.1 |
| 20° | 1331.4 | 1338.1 | 1301.9 | 1285.9 | 1283.7 |
| 22.5° | 1298.7 | 1304.5 | 1266.4 | 1246.8 | 1243.7 |
| 25° | 1249.6 | 1250.7 | 1214.4 | 1187.0 | 1180.3 |
| 27.5° | 1198.3 | 1194.7 | 1154.4 | 1122.0 | 1113.3 |
| 30° | 1161.0 | 1156.6 | 1109.9 | 1075.6 | 1067.9 |
| 32.5° | 1121.0 | 1113.0 | 1066.3 | 1029.3 | 1021.5 |
| 35° | 1062.2 | 1050.0 | 1000.8 | 962.0 | 953.1 |
| 37.5° | 999.5 | 985.7 | 937.5 | 895.2 | 885.2 |
| 40° | 957.7 | 942.1 | 892.9 | 850.7 | 840.7 |
| 42.5° | 915.9 | 898.5 | 848.4 | 806.1 | 795.2 |
| 45° | 850.9 | 833.1 | 782.7 | 741.6 | 730.5 |
| 47.5° | 789.1 | 766.4 | 717.5 | 676.6 | 665.5 |
| 50° | 746.4 | 721.9 | 674.8 | 634.8 | 623.7 |
| 52.5° | 702.8 | 677.4 | 632.1 | 593.9 | 582.8 |
| 55° | 636.2 | 612.9 | 568.0 | 532.6 | 522.6 |
| 57.5° | 570.3 | 547.9 | 506.9 | 473.0 | 463.3 |
| 60° | 524.8 | 506.0 | 466.9 | 434.9 | 426.0 |
| 62.5° | 481.2 | 464.1 | 426.9 | 397.6 | 388.8 |
| 65° | 416.9 | 401.4 | 368.1 | 341.8 | 335.1 |
| 67.5° | 354.4 | 338.9 | 312.0 | 288.4 | 280.8 |
| 70° | 313.5 | 298.0 | 273.8 | 252.0 | 245.4 |
| 72.5° | 274.5 | 258.0 | 238.3 | 218.5 | 213.6 |
| 75° | 215.8 | 202.5 | 187.4 | 172.6 | 168.1 |
| 77.5° | 164.0 | 151.2 | 140.2 | 129.7 | 128.6 |
| 80° | 129.5 | 118.4 | 110.2 | 103.4 | 102.2 |
| 82.5° | 96.8 | 88.3 | 82.9 | 77.9 | 77.7 |
| 85° | 50.0 | 46.7 | 45.4 | 39.7 | 37.5 |
| 87.5° | 14.5 | 14.5 | 12.7 | 11.0 | 11.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 |
| 92.5° | 5.4 | 2.0 | 1.4 | 2.0 | 2.0 |
| 95° | 19.4 | 5.6 | 6.0 | 3.9 | 3.5 |
| 97.5° | 40.2 | 9.0 | 8.7 | 9.5 | 9.9 |
| 100° | 56.0 | 18.5 | 9.5 | 10.9 | 11.3 |
| 102.5° | 73.5 | 69.6 | 9.8 | 11.8 | 12.4 |
| 105° | 101.5 | 105.3 | 10.6 | 12.3 | 13.0 |
| 107.5° | 128.9 | 132.7 | 49.2 | 12.8 | 13.5 |
| 110° | 147.3 | 151.1 | 155.7 | 13.1 | 13.7 |

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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 164.5 | 169.1 | 172.6 | 29.0 | 14.3 |
| 115° | 192.0 | 196.1 | 198.0 | 200.3 | 114.9 |
| 117.5° | 216.3 | 221.4 | 223.5 | 227.5 | 231.3 |
| 120° | 233.2 | 238.0 | 239.6 | 243.5 | 247.7 |
| 122.5° | 249.9 | 254.1 | 255.1 | 259.6 | 263.5 |
| 125° | 272.7 | 277.5 | 277.6 | 282.3 | 286.1 |
| 127.5° | 295.5 | 299.6 | 299.5 | 302.9 | 307.1 |
| 130° | 310.7 | 313.5 | 313.5 | 316.5 | 320.9 |
| 132.5° | 323.4 | 327.3 | 327.4 | 329.7 | 334.2 |
| 135° | 343.1 | 347.3 | 346.7 | 348.9 | 353.4 |
| 137.5° | 361.7 | 365.7 | 364.6 | 366.4 | 371.0 |
| 140° | 373.8 | 377.2 | 375.6 | 377.4 | 382.6 |
| 142.5° | 385.1 | 388.5 | 386.0 | 387.6 | 393.0 |
| 145° | 401.6 | 404.7 | 402.0 | 402.4 | 407.6 |
| 147.5° | 416.4 | 419.4 | 416.1 | 416.5 | 421.4 |
| 150° | 425.9 | 428.7 | 424.5 | 425.0 | 429.8 |
| 152.5° | 434.4 | 436.9 | 432.4 | 432.3 | 438.0 |
| 155° | 446.0 | 448.8 | 443.9 | 443.0 | 449.2 |
| 157.5° | 456.6 | 459.1 | 454.3 | 453.6 | 458.4 |
| 160° | 463.6 | 465.4 | 460.5 | 459.5 | 464.3 |
| 162.5° | 468.4 | 470.4 | 465.5 | 464.0 | 468.8 |
| 165° | 475.6 | 477.0 | 472.1 | 470.1 | 474.9 |
| 167.5° | 481.8 | 483.4 | 477.1 | 475.3 | 480.5 |
| 170° | 485.5 | 486.5 | 480.2 | 477.8 | 483.0 |
| 172.5° | 487.7 | 488.5 | 482.2 | 479.5 | 483.0 |
| 175° | 489.7 | 490.7 | 484.4 | 481.3 | 483.7 |
| 177.5° | 490.1 | 490.6 | 485.8 | 483.1 | 487.2 |
| 180° | 487.2 | 487.2 | 487.2 | 487.2 | 487.2 |



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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 | 20.08 | 21.15 | 20.83 | 21.93 | 22.86 | 18.98 | 20.05 | 19.73 | 20.82 | 21.76 |
| | 3H | 21.74 | 22.70 | 22.51 | 23.49 | 24.45 | 20.52 | 21.49 | 21.29 | 22.27 | 23.23 |
| | 4H | 22.38 | 23.29 | 23.16 | 24.08 | 25.05 | 21.11 | 22.01 | 21.89 | 22.80 | 23.78 |
| | 6H | 22.79 | 23.63 | 23.59 | 24.43 | 25.42 | 21.49 | 22.33 | 22.28 | 23.13 | 24.11 |
| | 8H | 22.95 | 23.74 | 23.75 | 24.56 | 25.55 | 21.63 | 22.43 | 22.44 | 23.25 | 24.24 |
| | 12H | 23.03 | 23.79 | 23.84 | 24.60 | 25.61 | 21.70 | 22.47 | 22.51 | 23.28 | 24.29 |
| 4H | 2H | 20.51 | 21.42 | 21.30 | 22.21 | 23.19 | 19.64 | 20.55 | 20.43 | 21.34 | 22.31 |
| | 3H | 22.40 | 23.16 | 23.20 | 23.99 | 24.97 | 21.39 | 22.15 | 22.19 | 22.98 | 23.97 |
| | 4H | 23.16 | 23.85 | 23.97 | 24.67 | 25.69 | 22.07 | 22.76 | 22.89 | 23.59 | 24.61 |
| | 6H | 23.69 | 24.28 | 24.52 | 25.13 | 26.16 | 22.56 | 23.16 | 23.39 | 24.01 | 25.03 |
| | 8H | 23.90 | 24.45 | 24.73 | 25.30 | 26.33 | 22.76 | 23.31 | 23.59 | 24.16 | 25.19 |
| | 12H | 24.01 | 24.51 | 24.87 | 25.38 | 26.42 | 22.85 | 23.36 | 23.71 | 24.22 | 25.26 |
| 8H | 4H | 23.33 | 23.89 | 24.16 | 24.73 | 25.77 | 22.36 | 22.92 | 23.20 | 23.77 | 24.80 |
| | 6H | 23.98 | 24.44 | 24.84 | 25.33 | 26.36 | 22.98 | 23.44 | 23.84 | 24.33 | 25.36 |
| | 8H | 24.27 | 24.68 | 25.14 | 25.56 | 26.62 | 23.25 | 23.66 | 24.13 | 24.55 | 25.60 |
| | 12H | 24.46 | 24.82 | 25.33 | 25.69 | 26.80 | 23.41 | 23.77 | 24.29 | 24.65 | 25.75 |
| 12H | 4H | 23.32 | 23.82 | 24.17 | 24.69 | 25.73 | 22.38 | 22.88 | 23.23 | 23.74 | 24.79 |
| | 6H | 24.01 | 24.42 | 24.88 | 25.30 | 26.35 | 23.04 | 23.45 | 23.92 | 24.33 | 25.39 |
| | 8H | 24.34 | 24.70 | 25.21 | 25.57 | 26.68 | 23.36 | 23.72 | 24.23 | 24.59 | 25.70 |