

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: P1439139

Luminaire Tested: CB3-030U-085D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439139
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: CB3-030U-085D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

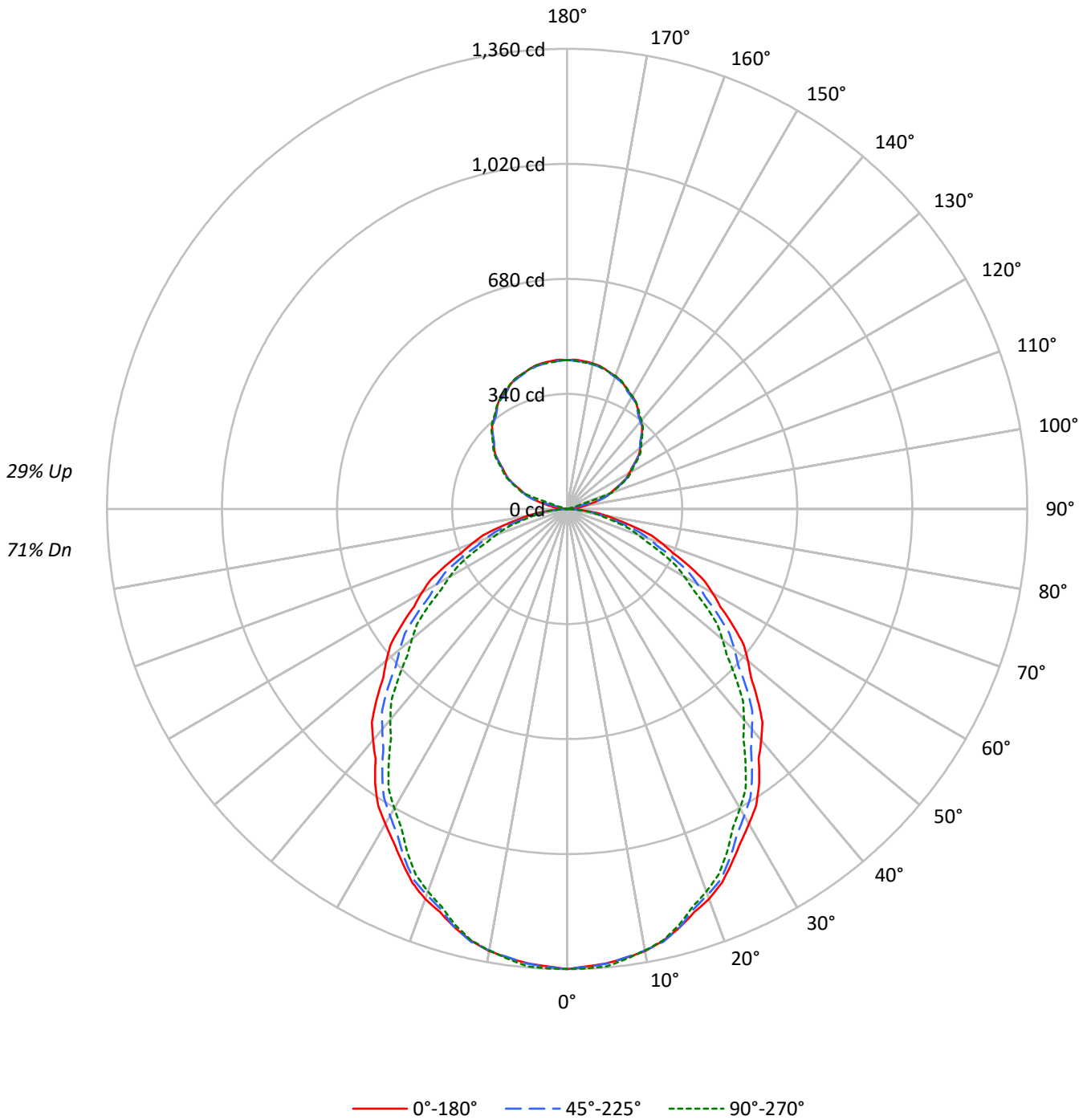
Lumens per Lamp: N/A
Luminaire Lumens: 4553.3 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 33.8
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 | | | | | | | | | |
| RC | 80 | | | | | | | | | 70 | | | | | | | | | 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 | 72 | 68 | 66 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 61 | | | | | | | | | | | | | |
| 2 | 94 | 86 | 80 | 75 | 89 | 82 | 76 | 72 | 74 | 70 | 66 | 67 | 63 | 60 | 60 | 57 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 51 | | | | | | | | | | | | | |
| 3 | 86 | 76 | 69 | 63 | 81 | 72 | 66 | 60 | 66 | 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 | 36 | 43 | 38 | 34 | 39 | 35 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 29 | | | | | | | | | | | | | |
| 7 | 62 | 49 | 41 | 36 | 59 | 47 | 40 | 34 | 43 | 37 | 32 | 39 | 34 | 30 | 36 | 31 | 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 | 28 | 51 | 40 | 33 | 28 | 36 | 30 | 26 | 33 | 28 | 25 | 31 | 26 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 21 | | | | | | | | | | | | | |
| 10 | 50 | 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° | 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 | 2.8 |
| 10°-20° | 360.4 | 7.9 |
| 20°-30° | 523.6 | 11.5 |
| 30°-40° | 595.3 | 13.1 |
| 40°-50° | 577.9 | 12.7 |
| 50°-60° | 487.9 | 10.7 |
| 60°-70° | 347.1 | 7.6 |
| 70°-80° | 185.5 | 4.1 |
| 80°-90° | 49.0 | 1.1 |
| 90°-100° | 10.1 | 0.2 |
| 100°-110° | 73.6 | 1.6 |
| 110°-120° | 174.9 | 3.8 |
| 120°-130° | 223.5 | 4.9 |
| 130°-140° | 241.0 | 5.3 |
| 140°-150° | 227.2 | 5.0 |
| 150°-160° | 185.4 | 4.1 |
| 160°-170° | 120.8 | 2.7 |
| 170°-180° | 41.7 | 0.9 |
| 0°-30° | 1012.3 | 22.2 |
| 0°-40° | 1607.6 | 35.3 |
| 0°-60° | 2673.5 | 58.7 |
| 0°-90° | 3255.2 | 71.5 |
| 90°-120° | 258.6 | 5.7 |
| 90°-150° | 950.3 | 20.9 |
| 90°-180° | 1298.0 | 28.5 |
| 0°-180° | 4553.3 | 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° | 19 | 3 | 4 | 5 | 5 | 23 |
| 105° | 93 | 94 | 96 | 7 | 7 | 98 |
| 115° | 175 | 176 | 176 | 179 | 180 | 172 |
| 125° | 248 | 250 | 249 | 252 | 254 | 222 |
| 135° | 312 | 314 | 311 | 313 | 315 | 240 |
| 145° | 363 | 365 | 361 | 363 | 365 | 227 |
| 155° | 402 | 405 | 400 | 401 | 403 | 185 |
| 165° | 429 | 431 | 426 | 425 | 428 | 121 |
| 175° | 441 | 443 | 437 | 435 | 436 | 42 |
| 180° | 440 | 440 | 440 | 440 | 440 | |



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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 | 0.3 | 0.0 |
| 92.5° | 5.0 | 1.9 | 1.6 | 1.9 | 1.9 |
| 95° | 18.6 | 3.3 | 4.3 | 4.6 | 4.6 |
| 97.5° | 37.4 | 36.7 | 5.0 | 6.0 | 6.1 |
| 100° | 51.7 | 53.3 | 5.3 | 6.3 | 6.6 |
| 102.5° | 67.6 | 69.0 | 9.8 | 6.6 | 6.9 |
| 105° | 93.1 | 94.4 | 95.8 | 7.0 | 7.3 |
| 107.5° | 118.5 | 119.5 | 120.4 | 108.4 | 40.6 |
| 110° | 135.2 | 136.2 | 136.6 | 139.9 | 140.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 150.9 | 152.1 | 152.8 | 155.6 | 156.7 |
| 115° | 174.7 | 176.0 | 176.4 | 179.0 | 180.0 |
| 117.5° | 197.3 | 198.7 | 199.3 | 201.4 | 203.0 |
| 120° | 212.2 | 213.8 | 214.1 | 216.8 | 218.1 |
| 122.5° | 226.7 | 228.6 | 228.5 | 230.9 | 232.7 |
| 125° | 248.3 | 249.9 | 249.3 | 252.0 | 253.6 |
| 127.5° | 268.8 | 269.7 | 268.4 | 271.7 | 273.0 |
| 130° | 281.8 | 282.7 | 281.1 | 284.1 | 285.7 |
| 132.5° | 293.7 | 295.2 | 293.3 | 296.1 | 297.7 |
| 135° | 311.9 | 313.6 | 310.9 | 313.3 | 315.2 |
| 137.5° | 328.2 | 330.1 | 327.0 | 329.7 | 331.4 |
| 140° | 338.8 | 340.7 | 336.8 | 339.8 | 341.8 |
| 142.5° | 348.6 | 351.1 | 346.3 | 349.1 | 351.3 |
| 145° | 363.0 | 365.3 | 360.7 | 363.0 | 365.0 |
| 147.5° | 376.6 | 378.6 | 374.2 | 375.9 | 377.2 |
| 150° | 384.9 | 386.8 | 381.9 | 383.6 | 385.2 |
| 152.5° | 391.5 | 394.2 | 389.3 | 390.5 | 392.9 |
| 155° | 402.1 | 405.3 | 399.8 | 400.8 | 403.4 |
| 157.5° | 411.8 | 414.8 | 409.2 | 410.1 | 412.4 |
| 160° | 417.7 | 420.6 | 415.0 | 415.4 | 417.7 |
| 162.5° | 422.2 | 424.8 | 420.1 | 419.4 | 422.2 |
| 165° | 428.6 | 430.9 | 426.3 | 425.0 | 428.0 |
| 167.5° | 434.0 | 436.6 | 430.9 | 429.9 | 433.2 |
| 170° | 436.9 | 439.5 | 433.6 | 432.0 | 435.6 |
| 172.5° | 438.8 | 441.1 | 435.4 | 433.3 | 436.1 |
| 175° | 440.9 | 443.2 | 437.2 | 434.9 | 436.2 |
| 177.5° | 441.5 | 443.3 | 438.6 | 436.5 | 439.6 |
| 180° | 439.9 | 439.9 | 439.9 | 439.9 | 439.9 |



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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 | 18.43 | 19.51 | 19.18 | 20.28 | 21.21 | 17.36 | 18.43 | 18.11 | 19.20 | 20.13 |
| | 3H | 20.12 | 21.08 | 20.88 | 21.86 | 22.82 | 18.79 | 19.75 | 19.55 | 20.53 | 21.49 |
| | 4H | 20.76 | 21.67 | 21.54 | 22.46 | 23.43 | 19.31 | 20.23 | 20.10 | 21.01 | 21.99 |
| | 6H | 21.15 | 21.99 | 21.95 | 22.79 | 23.78 | 19.64 | 20.48 | 20.44 | 21.28 | 22.27 |
| | 8H | 21.30 | 22.10 | 22.10 | 22.91 | 23.90 | 19.77 | 20.57 | 20.58 | 21.39 | 22.37 |
| | 12H | 21.37 | 22.13 | 22.18 | 22.94 | 23.96 | 19.85 | 20.62 | 20.66 | 21.43 | 22.44 |
| 4H | 2H | 18.87 | 19.78 | 19.65 | 20.57 | 21.54 | 18.01 | 18.92 | 18.80 | 19.71 | 20.68 |
| | 3H | 20.78 | 21.54 | 21.58 | 22.36 | 23.35 | 19.65 | 20.41 | 20.45 | 21.23 | 22.22 |
| | 4H | 21.54 | 22.23 | 22.35 | 23.05 | 24.06 | 20.26 | 20.95 | 21.08 | 21.78 | 22.79 |
| | 6H | 22.05 | 22.65 | 22.88 | 23.49 | 24.51 | 20.69 | 21.28 | 21.52 | 22.13 | 23.15 |
| | 8H | 22.25 | 22.80 | 23.08 | 23.65 | 24.68 | 20.86 | 21.42 | 21.70 | 22.26 | 23.30 |
| | 12H | 22.35 | 22.85 | 23.21 | 23.72 | 24.76 | 20.98 | 21.48 | 21.83 | 22.34 | 23.38 |
| 8H | 4H | 21.68 | 22.24 | 22.51 | 23.08 | 24.11 | 20.54 | 21.10 | 21.38 | 21.94 | 22.98 |
| | 6H | 22.31 | 22.77 | 23.17 | 23.66 | 24.69 | 21.08 | 21.54 | 21.94 | 22.43 | 23.46 |
| | 8H | 22.59 | 23.00 | 23.46 | 23.88 | 24.93 | 21.33 | 21.74 | 22.21 | 22.62 | 23.67 |
| | 12H | 22.76 | 23.12 | 23.63 | 23.99 | 25.10 | 21.52 | 21.88 | 22.39 | 22.75 | 23.86 |
| 12H | 4H | 21.66 | 22.17 | 22.52 | 23.03 | 24.07 | 20.55 | 21.06 | 21.41 | 21.92 | 22.96 |
| | 6H | 22.33 | 22.74 | 23.20 | 23.62 | 24.67 | 21.14 | 21.55 | 22.01 | 22.43 | 23.48 |
| | 8H | 22.64 | 23.00 | 23.51 | 23.87 | 24.97 | 21.43 | 21.79 | 22.30 | 22.66 | 23.77 |