

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: P1438597

Luminaire Tested: CB2-030U-030D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438597
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-030D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

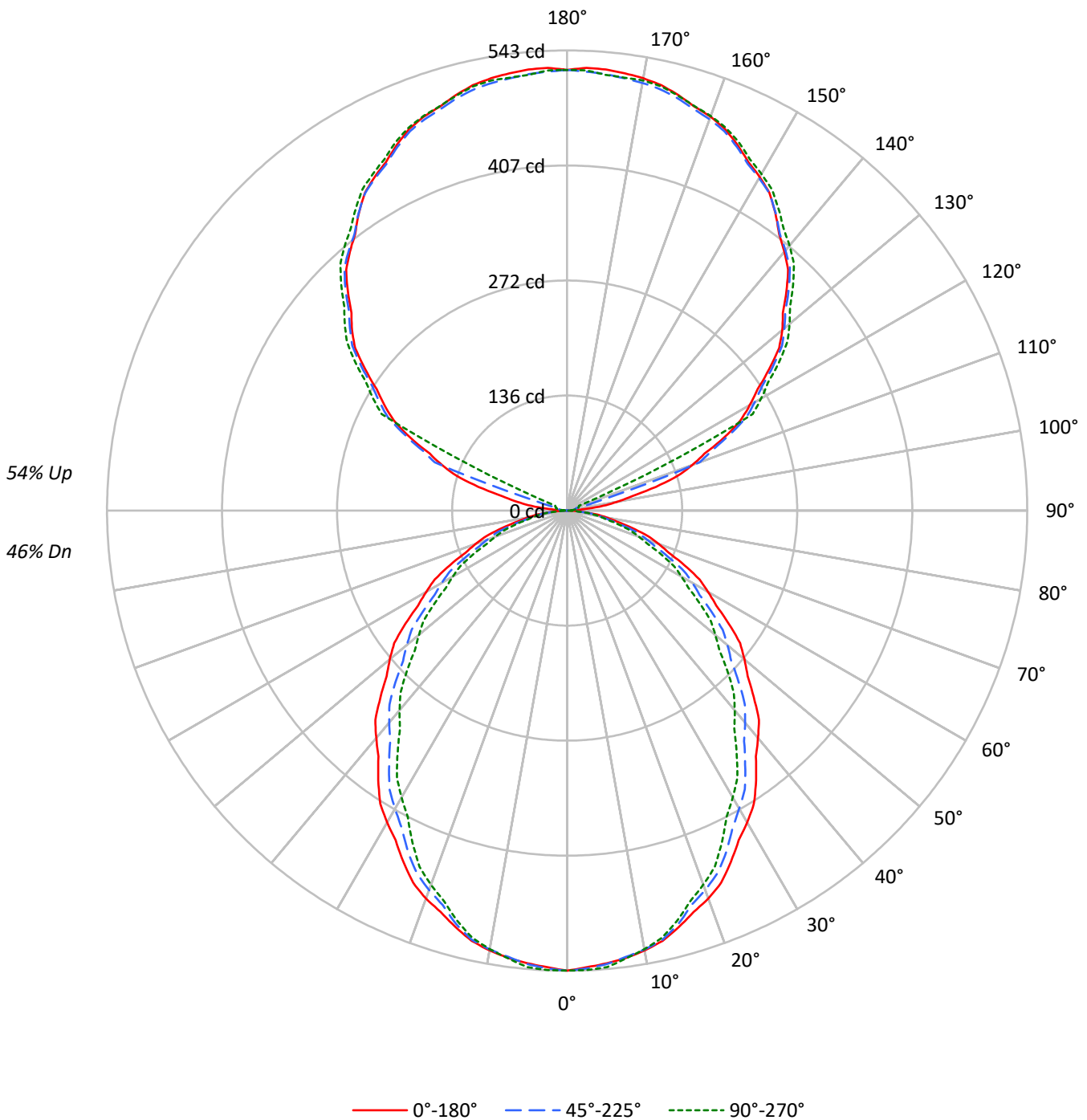
Lumens per Lamp: N/A
Luminaire Lumens: 2748.5 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 17.9
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 | 81 | 81 | 81 | 66 | 66 | 66 | 53 | 53 | 53 | 46 |
| 1 | 97 | 93 | 89 | 86 | 89 | 85 | 82 | 79 | 71 | 69 | 67 | 59 | 57 | 55 | 47 | 46 | 45 | 39 |
| 2 | 89 | 81 | 75 | 70 | 81 | 75 | 70 | 65 | 63 | 59 | 56 | 52 | 49 | 47 | 41 | 39 | 38 | 33 |
| 3 | 81 | 72 | 64 | 59 | 74 | 66 | 60 | 55 | 55 | 51 | 47 | 46 | 42 | 40 | 37 | 34 | 32 | 28 |
| 4 | 74 | 63 | 56 | 50 | 68 | 59 | 52 | 46 | 49 | 44 | 40 | 41 | 37 | 34 | 33 | 30 | 28 | 24 |
| 5 | 68 | 57 | 49 | 43 | 62 | 52 | 45 | 40 | 44 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 | 21 |
| 6 | 63 | 51 | 43 | 37 | 57 | 47 | 40 | 35 | 40 | 34 | 30 | 33 | 29 | 26 | 27 | 24 | 22 | 19 |
| 7 | 58 | 46 | 38 | 33 | 53 | 43 | 36 | 31 | 36 | 31 | 27 | 30 | 26 | 23 | 25 | 22 | 19 | 17 |
| 8 | 54 | 42 | 34 | 29 | 49 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 20 | 17 | 15 |
| 9 | 50 | 38 | 31 | 26 | 46 | 35 | 29 | 24 | 30 | 25 | 21 | 26 | 21 | 19 | 21 | 18 | 16 | 14 |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9456 | 9456 | 9456 |
| 5° | 9377 | 9391 | 9455 |
| 10° | 9322 | 9301 | 9294 |
| 15° | 9175 | 9115 | 9039 |
| 20° | 9030 | 8830 | 8708 |
| 25° | 8788 | 8540 | 8300 |
| 30° | 8546 | 8169 | 7860 |
| 35° | 8265 | 7786 | 7416 |
| 40° | 7967 | 7428 | 6994 |
| 45° | 7670 | 7055 | 6584 |
| 50° | 7400 | 6690 | 6183 |
| 55° | 7069 | 6313 | 5806 |
| 60° | 6692 | 5953 | 5431 |
| 65° | 6289 | 5551 | 5053 |
| 70° | 5841 | 5103 | 4573 |
| 75° | 5316 | 4616 | 4139 |
| 80° | 4754 | 4042 | 3751 |
| 85° | 3657 | 3317 | 2738 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7670 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 51.1 | 1.9 |
| 10°-20° | 142.3 | 5.2 |
| 20°-30° | 204.6 | 7.4 |
| 30°-40° | 230.0 | 8.4 |
| 40°-50° | 222.2 | 8.1 |
| 50°-60° | 187.7 | 6.8 |
| 60°-70° | 134.8 | 4.9 |
| 70°-80° | 73.7 | 2.7 |
| 80°-90° | 19.6 | 0.7 |
| 90°-100° | 9.1 | 0.3 |
| 100°-110° | 57.7 | 2.1 |
| 110°-120° | 183.2 | 6.7 |
| 120°-130° | 265.9 | 9.7 |
| 130°-140° | 285.9 | 10.4 |
| 140°-150° | 269.2 | 9.8 |
| 150°-160° | 219.3 | 8.0 |
| 160°-170° | 142.8 | 5.2 |
| 170°-180° | 49.3 | 1.8 |
| 0°-30° | 398.0 | 14.5 |
| 0°-40° | 628.0 | 22.8 |
| 0°-60° | 1037.9 | 37.8 |
| 0°-90° | 1266.1 | 46.1 |
| 90°-120° | 250.0 | 9.1 |
| 90°-150° | 1071.0 | 39.0 |
| 90°-180° | 1482.0 | 53.9 |
| 0°-180° | 2748.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 543 | 543 | 543 | 543 | 543 | |
| 5° | 536 | 544 | 537 | 537 | 541 | 51 |
| 15° | 509 | 513 | 506 | 500 | 501 | 143 |
| 25° | 457 | 458 | 444 | 434 | 432 | 211 |
| 35° | 389 | 384 | 366 | 352 | 349 | 243 |
| 45° | 311 | 305 | 286 | 271 | 267 | 241 |
| 55° | 233 | 224 | 208 | 195 | 191 | 208 |
| 65° | 153 | 147 | 135 | 125 | 123 | 151 |
| 75° | 79 | 74 | 69 | 63 | 62 | 84 |
| 85° | 18 | 17 | 17 | 14 | 14 | 22 |
| 90° | 0 | 0 | 0 | 0 | 0 | 2 |
| 95° | 21 | 6 | 6 | 4 | 4 | 26 |
| 105° | 108 | 112 | 11 | 13 | 14 | 114 |
| 115° | 205 | 209 | 211 | 214 | 122 | 201 |
| 125° | 291 | 296 | 296 | 301 | 305 | 260 |
| 135° | 366 | 371 | 370 | 372 | 377 | 282 |
| 145° | 428 | 432 | 429 | 429 | 435 | 268 |
| 155° | 476 | 479 | 474 | 473 | 479 | 219 |
| 165° | 508 | 509 | 504 | 502 | 507 | 143 |
| 175° | 522 | 524 | 517 | 514 | 516 | 50 |
| 180° | 520 | 520 | 520 | 520 | 520 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 542.9 | 542.9 | 542.9 | 542.9 | 542.9 |
| 2.5° | 539.3 | 545.8 | 540.9 | 541.6 | 542.6 |
| 5° | 536.3 | 543.6 | 537.1 | 537.2 | 540.8 |
| 7.5° | 532.4 | 539.4 | 531.2 | 529.7 | 533.1 |
| 10° | 527.1 | 534.0 | 525.9 | 523.0 | 525.5 |
| 12.5° | 520.1 | 526.7 | 518.9 | 514.4 | 516.5 |
| 15° | 508.8 | 513.3 | 505.5 | 500.5 | 501.3 |
| 17.5° | 496.5 | 499.3 | 488.0 | 483.9 | 483.1 |
| 20° | 487.2 | 489.7 | 476.4 | 470.6 | 469.8 |
| 22.5° | 475.2 | 477.4 | 463.4 | 456.3 | 455.1 |
| 25° | 457.3 | 457.7 | 444.4 | 434.4 | 431.9 |
| 27.5° | 438.5 | 437.2 | 422.4 | 410.6 | 407.4 |
| 30° | 424.9 | 423.2 | 406.2 | 393.6 | 390.8 |
| 32.5° | 410.2 | 407.3 | 390.2 | 376.7 | 373.8 |
| 35° | 388.7 | 384.2 | 366.2 | 352.0 | 348.8 |
| 37.5° | 365.7 | 360.7 | 343.0 | 327.6 | 323.9 |
| 40° | 350.4 | 344.8 | 326.7 | 311.3 | 307.6 |
| 42.5° | 335.1 | 328.8 | 310.5 | 295.0 | 291.0 |
| 45° | 311.4 | 304.9 | 286.4 | 271.4 | 267.3 |
| 47.5° | 288.8 | 280.5 | 262.6 | 247.6 | 243.5 |
| 50° | 273.1 | 264.2 | 246.9 | 232.3 | 228.2 |
| 52.5° | 257.2 | 247.9 | 231.3 | 217.3 | 213.3 |
| 55° | 232.8 | 224.3 | 207.9 | 194.9 | 191.2 |
| 57.5° | 208.7 | 200.5 | 185.5 | 173.1 | 169.5 |
| 60° | 192.1 | 185.1 | 170.9 | 159.1 | 155.9 |
| 62.5° | 176.1 | 169.8 | 156.2 | 145.5 | 142.3 |
| 65° | 152.6 | 146.9 | 134.7 | 125.1 | 122.6 |
| 67.5° | 129.7 | 124.0 | 114.2 | 105.5 | 102.8 |
| 70° | 114.7 | 109.0 | 100.2 | 92.2 | 89.8 |
| 72.5° | 100.4 | 94.4 | 87.2 | 79.9 | 78.2 |
| 75° | 79.0 | 74.1 | 68.6 | 63.2 | 61.5 |
| 77.5° | 60.0 | 55.3 | 51.3 | 47.5 | 47.1 |
| 80° | 47.4 | 43.3 | 40.3 | 37.8 | 37.4 |
| 82.5° | 35.4 | 32.3 | 30.3 | 28.5 | 28.4 |
| 85° | 18.3 | 17.1 | 16.6 | 14.5 | 13.7 |
| 87.5° | 5.3 | 5.3 | 4.7 | 4.1 | 4.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 |
| 92.5° | 5.7 | 2.2 | 1.5 | 2.2 | 2.2 |
| 95° | 20.7 | 6.0 | 6.4 | 4.1 | 3.8 |
| 97.5° | 42.9 | 9.6 | 9.2 | 10.2 | 10.5 |
| 100° | 59.8 | 19.7 | 10.1 | 11.7 | 12.0 |
| 102.5° | 78.4 | 74.2 | 10.5 | 12.6 | 13.2 |
| 105° | 108.3 | 112.3 | 11.3 | 13.2 | 13.9 |
| 107.5° | 137.6 | 141.6 | 52.5 | 13.6 | 14.4 |
| 110° | 157.1 | 161.2 | 166.2 | 13.9 | 14.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 175.5 | 180.4 | 184.2 | 31.0 | 15.3 |
| 115° | 204.9 | 209.3 | 211.3 | 213.7 | 122.5 |
| 117.5° | 230.8 | 236.3 | 238.5 | 242.7 | 246.8 |
| 120° | 248.9 | 254.0 | 255.6 | 259.9 | 264.3 |
| 122.5° | 266.6 | 271.2 | 272.2 | 277.0 | 281.1 |
| 125° | 291.0 | 296.1 | 296.2 | 301.2 | 305.2 |
| 127.5° | 315.3 | 319.7 | 319.5 | 323.2 | 327.7 |
| 130° | 331.6 | 334.5 | 334.6 | 337.7 | 342.5 |
| 132.5° | 345.1 | 349.2 | 349.3 | 351.8 | 356.6 |
| 135° | 366.1 | 370.6 | 369.9 | 372.3 | 377.0 |
| 137.5° | 385.9 | 390.2 | 389.0 | 391.0 | 395.9 |
| 140° | 398.9 | 402.5 | 400.7 | 402.7 | 408.2 |
| 142.5° | 410.9 | 414.6 | 411.9 | 413.6 | 419.4 |
| 145° | 428.5 | 431.9 | 428.9 | 429.4 | 434.9 |
| 147.5° | 444.3 | 447.5 | 444.0 | 444.5 | 449.6 |
| 150° | 454.5 | 457.4 | 453.0 | 453.5 | 458.6 |
| 152.5° | 463.5 | 466.2 | 461.4 | 461.3 | 467.3 |
| 155° | 475.9 | 478.9 | 473.7 | 472.7 | 479.3 |
| 157.5° | 487.2 | 489.9 | 484.7 | 484.0 | 489.1 |
| 160° | 494.7 | 496.5 | 491.3 | 490.3 | 495.5 |
| 162.5° | 499.8 | 502.0 | 496.7 | 495.1 | 500.3 |
| 165° | 507.5 | 509.0 | 503.7 | 501.6 | 506.7 |
| 167.5° | 514.1 | 515.8 | 509.1 | 507.2 | 512.7 |
| 170° | 518.0 | 519.1 | 512.4 | 509.9 | 515.4 |
| 172.5° | 520.4 | 521.2 | 514.5 | 511.6 | 515.4 |
| 175° | 522.5 | 523.6 | 516.9 | 513.6 | 516.1 |
| 177.5° | 522.9 | 523.5 | 518.4 | 515.5 | 519.9 |
| 180° | 519.9 | 519.9 | 519.9 | 519.9 | 519.9 |



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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 | 14.43 | 15.25 | 15.42 | 16.25 | 17.58 | 13.33 | 14.15 | 14.32 | 15.15 | 16.48 |
| | 3H | 16.07 | 16.80 | 17.07 | 17.81 | 19.16 | 14.85 | 15.59 | 15.86 | 16.60 | 17.95 |
| | 4H | 16.70 | 17.39 | 17.71 | 18.41 | 19.76 | 15.43 | 16.12 | 16.44 | 17.13 | 18.49 |
| | 6H | 17.10 | 17.74 | 18.12 | 18.76 | 20.12 | 15.80 | 16.43 | 16.82 | 17.45 | 18.82 |
| | 8H | 17.24 | 17.85 | 18.28 | 18.89 | 20.25 | 15.93 | 16.54 | 16.97 | 17.58 | 18.94 |
| | 12H | 17.32 | 17.89 | 18.35 | 18.92 | 20.31 | 16.00 | 16.57 | 17.03 | 17.60 | 18.99 |
| 4H | 2H | 14.83 | 15.53 | 15.86 | 16.54 | 17.90 | 13.96 | 14.65 | 14.98 | 15.67 | 17.02 |
| | 3H | 16.70 | 17.28 | 17.73 | 18.32 | 19.69 | 15.69 | 16.27 | 16.72 | 17.31 | 18.68 |
| | 4H | 17.44 | 17.97 | 18.48 | 19.01 | 20.40 | 16.36 | 16.89 | 17.40 | 17.93 | 19.32 |
| | 6H | 17.96 | 18.41 | 19.01 | 19.47 | 20.86 | 16.84 | 17.29 | 17.88 | 18.35 | 19.74 |
| | 8H | 18.16 | 18.59 | 19.21 | 19.64 | 21.04 | 17.02 | 17.45 | 18.07 | 18.50 | 19.90 |
| | 12H | 18.27 | 18.65 | 19.33 | 19.72 | 21.12 | 17.11 | 17.49 | 18.18 | 18.56 | 19.97 |
| 8H | 4H | 17.60 | 18.02 | 18.64 | 19.07 | 20.47 | 16.63 | 17.06 | 17.68 | 18.11 | 19.51 |
| | 6H | 18.24 | 18.59 | 19.31 | 19.68 | 21.08 | 17.24 | 17.59 | 18.31 | 18.68 | 20.08 |
| | 8H | 18.53 | 18.83 | 19.61 | 19.91 | 21.33 | 17.51 | 17.82 | 18.59 | 18.89 | 20.31 |
| | 12H | 18.70 | 18.97 | 19.78 | 20.04 | 21.50 | 17.66 | 17.93 | 18.74 | 19.00 | 20.46 |
| 12H | 4H | 17.57 | 17.96 | 18.64 | 19.02 | 20.43 | 16.63 | 17.02 | 17.70 | 18.08 | 19.49 |
| | 6H | 18.26 | 18.57 | 19.34 | 19.65 | 21.07 | 17.30 | 17.61 | 18.38 | 18.68 | 20.10 |
| | 8H | 18.58 | 18.85 | 19.66 | 19.92 | 21.38 | 17.60 | 17.87 | 18.68 | 18.94 | 20.40 |