

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: P1438593

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438593
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

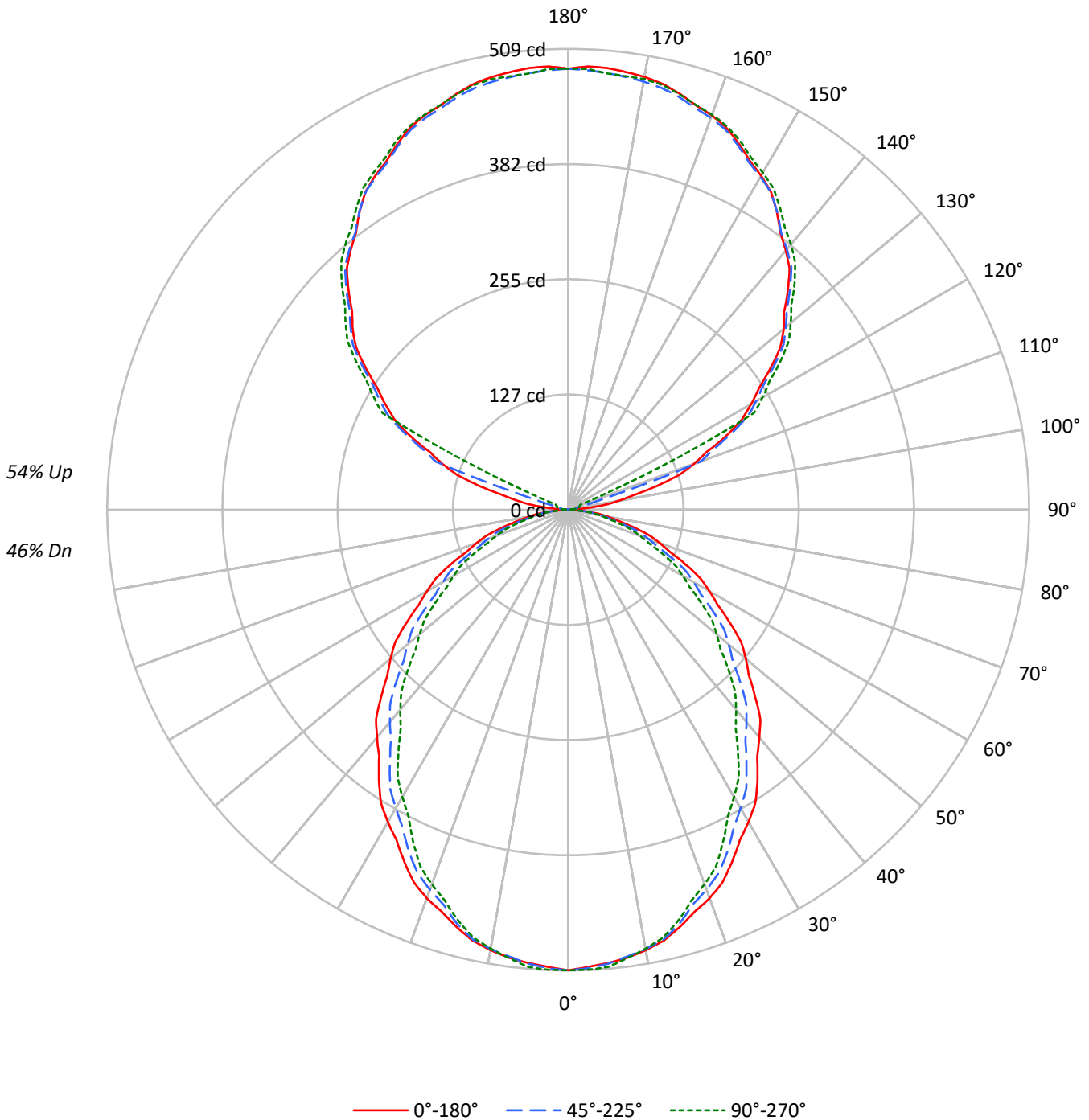
Lumens per Lamp: N/A
Luminaire Lumens: 2575.8 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

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 | 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° | 8862 | 8862 | 8862 |
| 5° | 8787 | 8801 | 8863 |
| 10° | 8737 | 8716 | 8709 |
| 15° | 8599 | 8542 | 8473 |
| 20° | 8463 | 8276 | 8159 |
| 25° | 8237 | 8004 | 7779 |
| 30° | 8009 | 7655 | 7365 |
| 35° | 7746 | 7297 | 6951 |
| 40° | 7467 | 6962 | 6555 |
| 45° | 7188 | 6611 | 6170 |
| 50° | 6937 | 6270 | 5796 |
| 55° | 6626 | 5915 | 5442 |
| 60° | 6270 | 5577 | 5089 |
| 65° | 5893 | 5201 | 4735 |
| 70° | 5474 | 4782 | 4288 |
| 75° | 4980 | 4327 | 3883 |
| 80° | 4453 | 3791 | 3521 |
| 85° | 3417 | 3118 | 2578 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7188 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.8 | 1.9 |
| 10°-20° | 133.4 | 5.2 |
| 20°-30° | 191.8 | 7.4 |
| 30°-40° | 215.6 | 8.4 |
| 40°-50° | 208.2 | 8.1 |
| 50°-60° | 175.9 | 6.8 |
| 60°-70° | 126.4 | 4.9 |
| 70°-80° | 69.1 | 2.7 |
| 80°-90° | 18.4 | 0.7 |
| 90°-100° | 8.5 | 0.3 |
| 100°-110° | 54.1 | 2.1 |
| 110°-120° | 171.7 | 6.7 |
| 120°-130° | 249.2 | 9.7 |
| 130°-140° | 268.0 | 10.4 |
| 140°-150° | 252.3 | 9.8 |
| 150°-160° | 205.5 | 8.0 |
| 160°-170° | 133.8 | 5.2 |
| 170°-180° | 46.2 | 1.8 |
| 0°-30° | 373.0 | 14.5 |
| 0°-40° | 588.6 | 22.8 |
| 0°-60° | 972.7 | 37.8 |
| 0°-90° | 1186.5 | 46.1 |
| 90°-120° | 234.2 | 9.1 |
| 90°-150° | 1003.7 | 39.0 |
| 90°-180° | 1389.0 | 53.9 |
| 0°-180° | 2575.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 509 | 509 | 509 | 509 | 509 | |
| 5° | 503 | 509 | 503 | 503 | 507 | 48 |
| 15° | 477 | 481 | 474 | 469 | 470 | 134 |
| 25° | 429 | 429 | 416 | 407 | 405 | 197 |
| 35° | 364 | 360 | 343 | 330 | 327 | 228 |
| 45° | 292 | 286 | 268 | 254 | 250 | 225 |
| 55° | 218 | 210 | 195 | 183 | 179 | 195 |
| 65° | 143 | 138 | 126 | 117 | 115 | 142 |
| 75° | 74 | 70 | 64 | 59 | 58 | 79 |
| 85° | 17 | 16 | 16 | 14 | 13 | 20 |
| 90° | 0 | 0 | 0 | 0 | 0 | 1 |
| 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° | 508.8 | 508.8 | 508.8 | 508.8 | 508.8 |
| 2.5° | 505.4 | 511.5 | 506.9 | 507.6 | 508.5 |
| 5° | 502.6 | 509.4 | 503.4 | 503.4 | 506.9 |
| 7.5° | 499.0 | 505.5 | 497.8 | 496.4 | 499.6 |
| 10° | 494.0 | 500.5 | 492.8 | 490.2 | 492.4 |
| 12.5° | 487.5 | 493.6 | 486.3 | 482.1 | 484.0 |
| 15° | 476.9 | 481.1 | 473.7 | 469.1 | 469.9 |
| 17.5° | 465.3 | 467.9 | 457.4 | 453.5 | 452.7 |
| 20° | 456.6 | 458.9 | 446.5 | 441.0 | 440.2 |
| 22.5° | 445.4 | 447.4 | 434.3 | 427.6 | 426.5 |
| 25° | 428.6 | 428.9 | 416.5 | 407.1 | 404.8 |
| 27.5° | 410.9 | 409.7 | 395.9 | 384.8 | 381.8 |
| 30° | 398.2 | 396.6 | 380.6 | 368.9 | 366.2 |
| 32.5° | 384.5 | 381.7 | 365.7 | 353.0 | 350.3 |
| 35° | 364.3 | 360.1 | 343.2 | 329.9 | 326.9 |
| 37.5° | 342.8 | 338.0 | 321.5 | 307.0 | 303.6 |
| 40° | 328.4 | 323.1 | 306.2 | 291.7 | 288.3 |
| 42.5° | 314.1 | 308.1 | 290.9 | 276.4 | 272.7 |
| 45° | 291.8 | 285.7 | 268.4 | 254.3 | 250.5 |
| 47.5° | 270.6 | 262.8 | 246.1 | 232.0 | 228.2 |
| 50° | 256.0 | 247.6 | 231.4 | 217.7 | 213.9 |
| 52.5° | 241.0 | 232.3 | 216.8 | 203.7 | 199.9 |
| 55° | 218.2 | 210.2 | 194.8 | 182.6 | 179.2 |
| 57.5° | 195.6 | 187.9 | 173.8 | 162.2 | 158.9 |
| 60° | 180.0 | 173.5 | 160.1 | 149.1 | 146.1 |
| 62.5° | 165.0 | 159.2 | 146.4 | 136.4 | 133.3 |
| 65° | 143.0 | 137.6 | 126.2 | 117.2 | 114.9 |
| 67.5° | 121.6 | 116.2 | 107.0 | 98.9 | 96.3 |
| 70° | 107.5 | 102.2 | 93.9 | 86.4 | 84.2 |
| 72.5° | 94.1 | 88.5 | 81.7 | 74.9 | 73.2 |
| 75° | 74.0 | 69.5 | 64.3 | 59.2 | 57.7 |
| 77.5° | 56.3 | 51.8 | 48.1 | 44.5 | 44.1 |
| 80° | 44.4 | 40.6 | 37.8 | 35.4 | 35.1 |
| 82.5° | 33.2 | 30.3 | 28.4 | 26.7 | 26.6 |
| 85° | 17.1 | 16.0 | 15.6 | 13.6 | 12.9 |
| 87.5° | 5.0 | 5.0 | 4.4 | 3.8 | 3.8 |
| 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 | 14.20 | 15.02 | 15.20 | 16.02 | 17.35 | 13.10 | 13.92 | 14.10 | 14.92 | 16.25 |
| | 3H | 15.85 | 16.58 | 16.85 | 17.59 | 18.94 | 14.63 | 15.36 | 15.63 | 16.37 | 17.72 |
| | 4H | 16.47 | 17.17 | 17.49 | 18.18 | 19.54 | 15.20 | 15.89 | 16.22 | 16.91 | 18.26 |
| | 6H | 16.87 | 17.51 | 17.90 | 18.53 | 19.90 | 15.57 | 16.21 | 16.60 | 17.23 | 18.60 |
| | 8H | 17.02 | 17.63 | 18.05 | 18.66 | 20.03 | 15.71 | 16.32 | 16.74 | 17.35 | 18.72 |
| | 12H | 17.09 | 17.67 | 18.13 | 18.70 | 20.09 | 15.77 | 16.35 | 16.81 | 17.38 | 18.76 |
| 4H | 2H | 14.61 | 15.30 | 15.63 | 16.32 | 17.67 | 13.73 | 14.43 | 14.76 | 15.44 | 16.80 |
| | 3H | 16.47 | 17.05 | 17.50 | 18.09 | 19.46 | 15.46 | 16.04 | 16.49 | 17.08 | 18.45 |
| | 4H | 17.22 | 17.75 | 18.26 | 18.78 | 20.17 | 16.14 | 16.66 | 17.17 | 17.70 | 19.09 |
| | 6H | 17.74 | 18.19 | 18.78 | 19.25 | 20.64 | 16.61 | 17.06 | 17.66 | 18.12 | 19.51 |
| | 8H | 17.94 | 18.36 | 18.99 | 19.41 | 20.82 | 16.80 | 17.22 | 17.85 | 18.27 | 19.68 |
| | 12H | 18.04 | 18.43 | 19.11 | 19.49 | 20.90 | 16.88 | 17.27 | 17.95 | 18.33 | 19.74 |
| 8H | 4H | 17.37 | 17.80 | 18.42 | 18.85 | 20.25 | 16.41 | 16.83 | 17.46 | 17.88 | 19.29 |
| | 6H | 18.01 | 18.36 | 19.08 | 19.45 | 20.85 | 17.01 | 17.36 | 18.08 | 18.45 | 19.85 |
| | 8H | 18.30 | 18.61 | 19.38 | 19.69 | 21.11 | 17.28 | 17.59 | 18.36 | 18.67 | 20.09 |
| | 12H | 18.47 | 18.74 | 19.56 | 19.82 | 21.28 | 17.43 | 17.70 | 18.51 | 18.77 | 20.23 |
| 12H | 4H | 17.35 | 17.73 | 18.42 | 18.80 | 20.21 | 16.41 | 16.79 | 17.47 | 17.86 | 19.27 |
| | 6H | 18.04 | 18.35 | 19.12 | 19.42 | 20.84 | 17.07 | 17.38 | 18.15 | 18.46 | 19.88 |
| | 8H | 18.35 | 18.62 | 19.44 | 19.70 | 21.16 | 17.37 | 17.65 | 18.46 | 18.72 | 20.18 |