

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: P1438804

Luminaire Tested: CB2-125U-030D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438804
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: CB2-125U-030D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

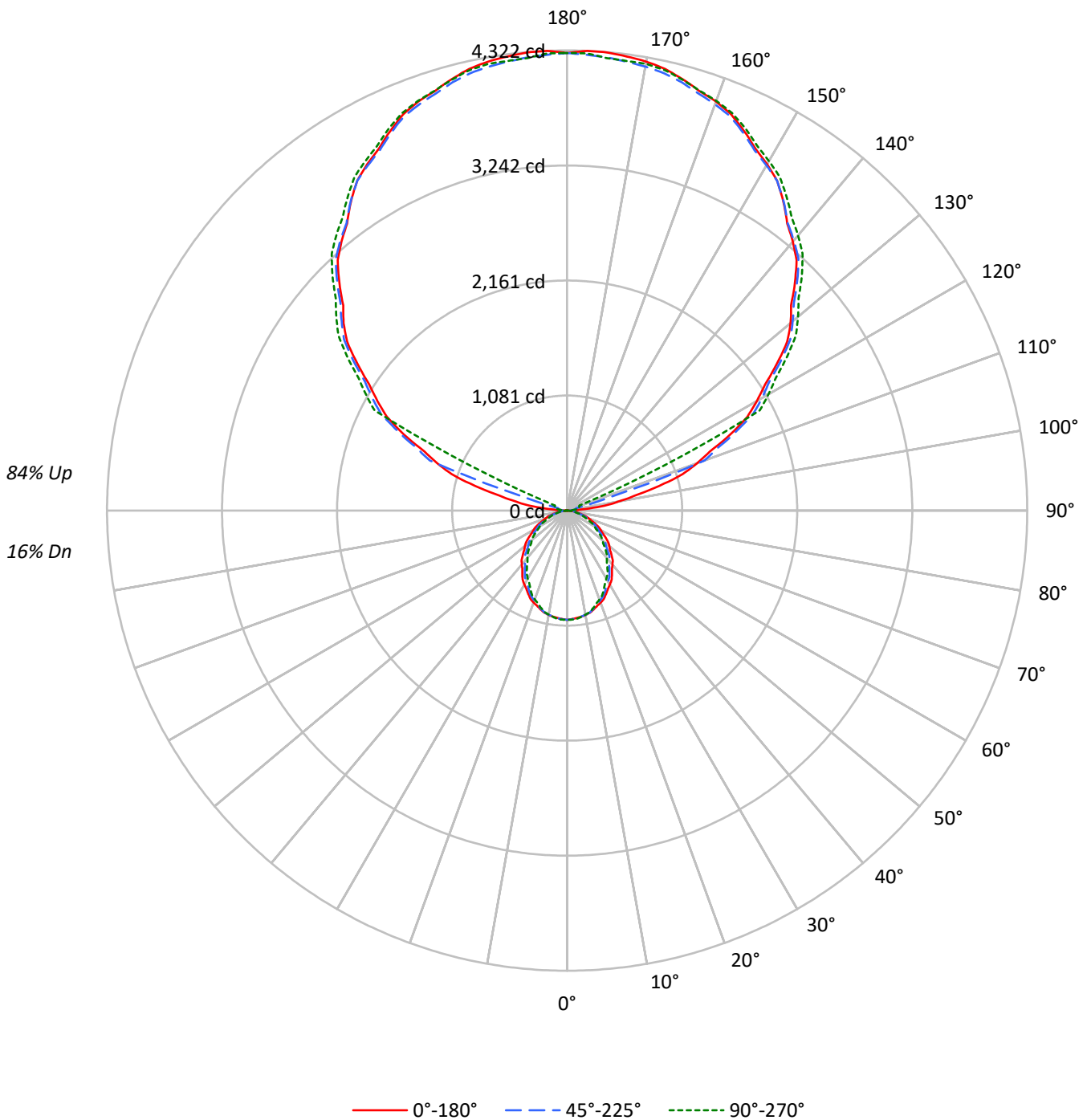
Lumens per Lamp: N/A
Luminaire Lumens: 14645.6 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 114.3
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





TEST NUMBER: P1438804

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF | 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 | 99 | 99 | 99 | 99 | 87 | 87 | 87 | 87 | 65 | 65 | 65 | 44 | 44 | 44 | 25 | 25 | 25 | 16 | | | | | | | | | | | | | | | | | | | | |
| 1 | 90 | 86 | 83 | 79 | 79 | 76 | 73 | 70 | 57 | 55 | 53 | 39 | 38 | 37 | 22 | 22 | 21 | 14 | | | | | | | | | | | | | | | | | | | | |
| 2 | 82 | 75 | 70 | 65 | 72 | 66 | 62 | 58 | 50 | 46 | 44 | 34 | 32 | 31 | 20 | 19 | 18 | 12 | | | | | | | | | | | | | | | | | | | | |
| 3 | 75 | 66 | 59 | 54 | 66 | 58 | 53 | 48 | 44 | 40 | 37 | 30 | 28 | 26 | 17 | 16 | 15 | 10 | | | | | | | | | | | | | | | | | | | | |
| 4 | 68 | 58 | 51 | 45 | 60 | 52 | 45 | 41 | 39 | 35 | 31 | 27 | 24 | 22 | 16 | 14 | 13 | 9 | | | | | | | | | | | | | | | | | | | | |
| 5 | 63 | 52 | 44 | 39 | 55 | 46 | 39 | 35 | 34 | 30 | 27 | 24 | 21 | 19 | 14 | 13 | 12 | 8 | | | | | | | | | | | | | | | | | | | | |
| 6 | 58 | 46 | 39 | 33 | 50 | 41 | 35 | 30 | 31 | 26 | 23 | 22 | 19 | 17 | 13 | 11 | 10 | 7 | | | | | | | | | | | | | | | | | | | | |
| 7 | 53 | 42 | 34 | 29 | 47 | 37 | 30 | 26 | 28 | 23 | 20 | 19 | 17 | 15 | 12 | 10 | 9 | 6 | | | | | | | | | | | | | | | | | | | | |
| 8 | 49 | 38 | 30 | 25 | 43 | 33 | 27 | 23 | 25 | 21 | 18 | 18 | 15 | 13 | 11 | 9 | 8 | 5 | | | | | | | | | | | | | | | | | | | | |
| 9 | 46 | 34 | 27 | 22 | 40 | 30 | 24 | 20 | 23 | 19 | 16 | 16 | 13 | 11 | 10 | 8 | 7 | 5 | | | | | | | | | | | | | | | | | | | | |
| 10 | 42 | 31 | 24 | 20 | 37 | 28 | 22 | 18 | 21 | 17 | 14 | 15 | 12 | 10 | 9 | 8 | 7 | 4 | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8935 | 8935 | 8935 |
| 5° | 8859 | 8873 | 8935 |
| 10° | 8809 | 8788 | 8781 |
| 15° | 8670 | 8613 | 8542 |
| 20° | 8533 | 8344 | 8227 |
| 25° | 8304 | 8070 | 7843 |
| 30° | 8074 | 7718 | 7426 |
| 35° | 7809 | 7358 | 7007 |
| 40° | 7529 | 7020 | 6608 |
| 45° | 7247 | 6667 | 6221 |
| 50° | 6992 | 6322 | 5843 |
| 55° | 6679 | 5964 | 5487 |
| 60° | 6321 | 5624 | 5131 |
| 65° | 5941 | 5244 | 4777 |
| 70° | 5520 | 4820 | 4321 |
| 75° | 5024 | 4361 | 3913 |
| 80° | 4494 | 3822 | 3546 |
| 85° | 3457 | 3138 | 2588 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7247 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 96.5 | 0.7 |
| 10°-20° | 268.9 | 1.8 |
| 20°-30° | 386.7 | 2.6 |
| 30°-40° | 434.7 | 3.0 |
| 40°-50° | 419.9 | 2.9 |
| 50°-60° | 354.8 | 2.4 |
| 60°-70° | 254.8 | 1.7 |
| 70°-80° | 139.3 | 1.0 |
| 80°-90° | 37.2 | 0.3 |
| 90°-100° | 74.9 | 0.5 |
| 100°-110° | 476.6 | 3.3 |
| 110°-120° | 1514.4 | 10.3 |
| 120°-130° | 2197.6 | 15.0 |
| 130°-140° | 2363.5 | 16.1 |
| 140°-150° | 2225.3 | 15.2 |
| 150°-160° | 1812.8 | 12.4 |
| 160°-170° | 1179.9 | 8.1 |
| 170°-180° | 407.9 | 2.8 |
| 0°-30° | 752.1 | 5.1 |
| 0°-40° | 1186.8 | 8.1 |
| 0°-60° | 1961.4 | 13.4 |
| 0°-90° | 2392.7 | 16.3 |
| 90°-120° | 2065.9 | 14.1 |
| 90°-150° | 8852.3 | 60.4 |
| 90°-180° | 12253.0 | 83.7 |
| 0°-180° | 14645.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1026 | 1026 | 1026 | 1026 | 1026 | |
| 5° | 1013 | 1027 | 1015 | 1015 | 1022 | 96 |
| 15° | 962 | 970 | 955 | 946 | 947 | 271 |
| 25° | 864 | 865 | 840 | 821 | 816 | 398 |
| 35° | 734 | 726 | 692 | 665 | 659 | 459 |
| 45° | 588 | 576 | 541 | 513 | 505 | 455 |
| 55° | 440 | 424 | 393 | 368 | 361 | 393 |
| 65° | 288 | 278 | 254 | 236 | 232 | 286 |
| 75° | 149 | 140 | 130 | 119 | 116 | 160 |
| 85° | 35 | 32 | 31 | 28 | 26 | 41 |
| 90° | 0 | 0 | 0 | 3 | 3 | 8 |
| 95° | 171 | 49 | 53 | 34 | 31 | 216 |
| 105° | 895 | 928 | 93 | 109 | 115 | 943 |
| 115° | 1693 | 1730 | 1746 | 1766 | 1013 | 1665 |
| 125° | 2405 | 2448 | 2448 | 2490 | 2523 | 2150 |
| 135° | 3026 | 3063 | 3057 | 3077 | 3116 | 2334 |
| 145° | 3542 | 3570 | 3545 | 3549 | 3595 | 2214 |
| 155° | 3934 | 3958 | 3915 | 3907 | 3962 | 1814 |
| 165° | 4195 | 4207 | 4164 | 4146 | 4188 | 1185 |
| 175° | 4319 | 4328 | 4272 | 4245 | 4266 | 411 |
| 180° | 4297 | 4297 | 4297 | 4297 | 4297 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1026.0 | 1026.0 | 1026.0 | 1026.0 | 1026.0 |
| 2.5° | 1019.1 | 1031.4 | 1022.2 | 1023.5 | 1025.4 |
| 5° | 1013.4 | 1027.3 | 1015.0 | 1015.2 | 1022.1 |
| 7.5° | 1006.2 | 1019.3 | 1003.8 | 1001.0 | 1007.5 |
| 10° | 996.1 | 1009.2 | 993.8 | 988.4 | 993.0 |
| 12.5° | 982.9 | 995.4 | 980.6 | 972.0 | 976.0 |
| 15° | 961.6 | 970.0 | 955.3 | 945.9 | 947.4 |
| 17.5° | 938.3 | 943.5 | 922.3 | 914.4 | 912.9 |
| 20° | 920.7 | 925.3 | 900.3 | 889.3 | 887.7 |
| 22.5° | 898.1 | 902.1 | 875.8 | 862.2 | 860.1 |
| 25° | 864.2 | 864.9 | 839.8 | 820.8 | 816.2 |
| 27.5° | 828.7 | 826.2 | 798.3 | 775.9 | 769.9 |
| 30° | 802.9 | 799.8 | 767.5 | 743.8 | 738.5 |
| 32.5° | 775.2 | 769.7 | 737.4 | 711.8 | 706.4 |
| 35° | 734.5 | 726.1 | 692.1 | 665.3 | 659.1 |
| 37.5° | 691.2 | 681.6 | 648.3 | 619.1 | 612.1 |
| 40° | 662.3 | 651.5 | 617.5 | 588.3 | 581.3 |
| 42.5° | 633.4 | 621.4 | 586.7 | 557.4 | 549.9 |
| 45° | 588.4 | 576.1 | 541.3 | 512.8 | 505.1 |
| 47.5° | 545.7 | 530.0 | 496.2 | 467.9 | 460.2 |
| 50° | 516.1 | 499.2 | 466.6 | 439.0 | 431.3 |
| 52.5° | 486.0 | 468.5 | 437.1 | 410.7 | 403.0 |
| 55° | 439.9 | 423.8 | 392.8 | 368.3 | 361.4 |
| 57.5° | 394.4 | 378.9 | 350.5 | 327.1 | 320.4 |
| 60° | 362.9 | 349.9 | 322.9 | 300.7 | 294.6 |
| 62.5° | 332.8 | 321.0 | 295.2 | 275.0 | 268.8 |
| 65° | 288.3 | 277.6 | 254.5 | 236.4 | 231.8 |
| 67.5° | 245.1 | 234.4 | 215.7 | 199.4 | 194.2 |
| 70° | 216.8 | 206.1 | 189.3 | 174.3 | 169.7 |
| 72.5° | 189.8 | 178.4 | 164.8 | 151.1 | 147.7 |
| 75° | 149.3 | 140.0 | 129.6 | 119.3 | 116.3 |
| 77.5° | 113.4 | 104.5 | 96.9 | 89.7 | 88.9 |
| 80° | 89.6 | 81.9 | 76.2 | 71.5 | 70.7 |
| 82.5° | 66.9 | 61.1 | 57.3 | 53.9 | 53.7 |
| 85° | 34.6 | 32.3 | 31.4 | 27.5 | 25.9 |
| 87.5° | 10.1 | 10.1 | 8.8 | 8.2 | 8.2 |
| 90° | 0.0 | 0.0 | 0.0 | 3.1 | 3.1 |
| 92.5° | 47.2 | 18.1 | 12.4 | 18.0 | 18.0 |
| 95° | 170.9 | 49.4 | 52.8 | 34.1 | 31.1 |
| 97.5° | 354.8 | 79.6 | 76.4 | 84.0 | 87.0 |
| 100° | 494.0 | 162.9 | 83.9 | 96.4 | 99.4 |
| 102.5° | 648.2 | 613.5 | 86.4 | 103.9 | 109.4 |
| 105° | 894.9 | 928.3 | 93.2 | 108.9 | 115.0 |
| 107.5° | 1137.2 | 1170.6 | 433.8 | 112.6 | 118.7 |
| 110° | 1298.8 | 1332.2 | 1373.4 | 115.1 | 121.2 |

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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 1450.4 | 1491.1 | 1522.5 | 256.2 | 126.2 |
| 115° | 1693.4 | 1729.9 | 1746.2 | 1766.4 | 1012.9 |
| 117.5° | 1907.8 | 1952.8 | 1971.2 | 2006.1 | 2040.2 |
| 120° | 2056.9 | 2099.5 | 2112.9 | 2147.9 | 2184.3 |
| 122.5° | 2203.6 | 2241.3 | 2249.6 | 2289.5 | 2323.5 |
| 125° | 2404.9 | 2447.5 | 2448.4 | 2489.6 | 2523.0 |
| 127.5° | 2606.3 | 2642.7 | 2641.1 | 2671.8 | 2708.8 |
| 130° | 2740.5 | 2764.8 | 2765.4 | 2791.1 | 2830.6 |
| 132.5° | 2852.4 | 2886.4 | 2887.2 | 2908.0 | 2947.5 |
| 135° | 3026.4 | 3062.8 | 3057.4 | 3077.0 | 3116.5 |
| 137.5° | 3189.8 | 3225.1 | 3215.3 | 3231.8 | 3272.5 |
| 140° | 3296.7 | 3327.1 | 3312.2 | 3328.8 | 3374.4 |
| 142.5° | 3396.1 | 3426.5 | 3404.2 | 3418.3 | 3466.4 |
| 145° | 3542.2 | 3569.5 | 3545.3 | 3549.4 | 3595.0 |
| 147.5° | 3672.0 | 3698.8 | 3669.6 | 3673.6 | 3716.2 |
| 150° | 3756.6 | 3780.9 | 3744.1 | 3748.2 | 3790.7 |
| 152.5° | 3831.1 | 3853.0 | 3813.7 | 3813.0 | 3862.8 |
| 155° | 3933.7 | 3958.0 | 3915.0 | 3906.9 | 3961.6 |
| 157.5° | 4026.9 | 4049.4 | 4006.4 | 4000.5 | 4043.0 |
| 160° | 4089.0 | 4104.2 | 4061.1 | 4052.7 | 4095.2 |
| 162.5° | 4131.3 | 4148.9 | 4105.8 | 4092.5 | 4135.0 |
| 165° | 4194.7 | 4206.8 | 4163.6 | 4145.9 | 4188.5 |
| 167.5° | 4249.4 | 4263.3 | 4207.7 | 4192.0 | 4237.5 |
| 170° | 4281.7 | 4290.8 | 4235.1 | 4214.3 | 4259.9 |
| 172.5° | 4301.6 | 4308.2 | 4252.5 | 4228.9 | 4259.9 |
| 175° | 4319.0 | 4328.1 | 4272.3 | 4244.9 | 4266.1 |
| 177.5° | 4322.1 | 4326.9 | 4284.8 | 4260.7 | 4297.2 |
| 180° | 4297.2 | 4297.2 | 4297.2 | 4297.2 | 4297.2 |



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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 | 10.01 | 10.63 | 11.21 | 11.81 | 13.49 | 8.91 | 9.53 | 10.11 | 10.71 | 12.39 |
| | 3H | 11.63 | 12.19 | 12.84 | 13.38 | 15.07 | 10.42 | 10.97 | 11.62 | 12.16 | 13.85 |
| | 4H | 12.25 | 12.78 | 13.47 | 13.97 | 15.67 | 10.98 | 11.51 | 12.19 | 12.69 | 14.39 |
| | 6H | 12.64 | 13.13 | 13.86 | 14.31 | 16.02 | 11.34 | 11.82 | 12.56 | 13.01 | 14.72 |
| | 8H | 12.78 | 13.24 | 14.01 | 14.45 | 16.15 | 11.47 | 11.93 | 12.69 | 13.13 | 14.83 |
| | 12H | 12.85 | 13.29 | 14.07 | 14.48 | 16.20 | 11.52 | 11.96 | 12.75 | 13.16 | 14.88 |
| 4H | 2H | 10.39 | 10.91 | 11.61 | 12.10 | 13.80 | 9.51 | 10.04 | 10.74 | 11.23 | 12.93 |
| | 3H | 12.23 | 12.67 | 13.46 | 13.88 | 15.60 | 11.22 | 11.66 | 12.45 | 12.88 | 14.59 |
| | 4H | 12.97 | 13.38 | 14.20 | 14.57 | 16.30 | 11.89 | 12.29 | 13.11 | 13.49 | 15.22 |
| | 6H | 13.48 | 13.82 | 14.70 | 15.04 | 16.76 | 12.35 | 12.70 | 13.58 | 13.92 | 15.63 |
| | 8H | 13.67 | 14.00 | 14.90 | 15.21 | 16.94 | 12.53 | 12.86 | 13.76 | 14.07 | 15.80 |
| | 12H | 13.77 | 14.06 | 15.01 | 15.28 | 17.02 | 12.61 | 12.90 | 13.85 | 14.12 | 15.86 |
| 8H | 4H | 13.11 | 13.43 | 14.33 | 14.64 | 16.38 | 12.14 | 12.47 | 13.37 | 13.68 | 15.41 |
| | 6H | 13.74 | 14.01 | 14.98 | 15.26 | 16.99 | 12.74 | 13.00 | 13.98 | 14.26 | 15.99 |
| | 8H | 14.03 | 14.26 | 15.28 | 15.49 | 17.24 | 13.01 | 13.24 | 14.26 | 14.47 | 16.22 |
| | 12H | 14.19 | 14.39 | 15.44 | 15.62 | 17.40 | 13.15 | 13.35 | 14.40 | 14.58 | 16.36 |
| 12H | 4H | 13.07 | 13.37 | 14.32 | 14.59 | 16.33 | 12.13 | 12.43 | 13.38 | 13.65 | 15.39 |
| | 6H | 13.77 | 14.00 | 15.01 | 15.23 | 16.98 | 12.80 | 13.03 | 14.05 | 14.26 | 16.01 |
| | 8H | 14.07 | 14.27 | 15.32 | 15.50 | 17.28 | 13.09 | 13.30 | 14.35 | 14.52 | 16.30 |