

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: P1439267

Luminaire Tested: CB3-085U-120D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439267
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: CB3-085U-120D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

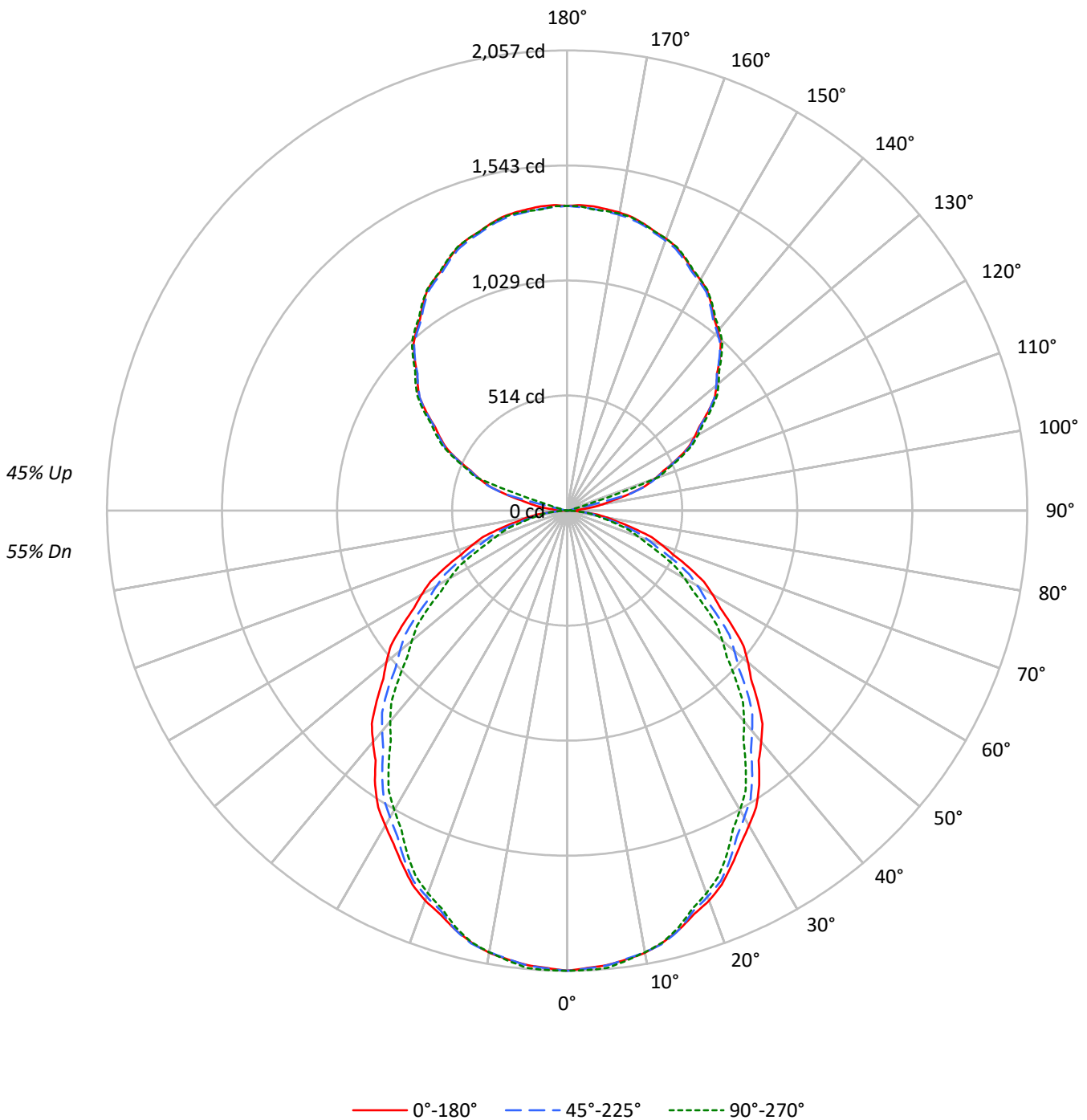
Lumens per Lamp: N/A
Luminaire Lumens: 8943.9 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 62
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

TEST NUMBER: P1439267

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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 | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 55 |
| 1 | 99 | 95 | 91 | 88 | 92 | 88 | 85 | 82 | 76 | 73 | 71 | 65 | 63 | 61 | 54 | 53 | 52 | 47 |
| 2 | 90 | 83 | 77 | 72 | 84 | 77 | 72 | 68 | 67 | 63 | 59 | 57 | 54 | 51 | 48 | 46 | 44 | 40 |
| 3 | 83 | 73 | 66 | 60 | 76 | 68 | 62 | 57 | 59 | 54 | 50 | 50 | 47 | 44 | 43 | 40 | 38 | 34 |
| 4 | 76 | 65 | 57 | 51 | 70 | 61 | 54 | 48 | 53 | 47 | 43 | 45 | 41 | 38 | 38 | 35 | 33 | 29 |
| 5 | 70 | 58 | 50 | 44 | 64 | 54 | 47 | 42 | 47 | 41 | 37 | 41 | 36 | 33 | 34 | 31 | 28 | 25 |
| 6 | 64 | 52 | 44 | 38 | 59 | 49 | 42 | 36 | 43 | 37 | 32 | 37 | 32 | 29 | 31 | 28 | 25 | 22 |
| 7 | 59 | 47 | 39 | 34 | 55 | 44 | 37 | 32 | 39 | 33 | 29 | 34 | 29 | 26 | 29 | 25 | 22 | 20 |
| 8 | 55 | 43 | 35 | 30 | 51 | 40 | 33 | 28 | 35 | 30 | 26 | 31 | 26 | 23 | 26 | 23 | 20 | 18 |
| 9 | 51 | 39 | 32 | 27 | 48 | 37 | 30 | 25 | 32 | 27 | 23 | 28 | 24 | 21 | 24 | 21 | 18 | 16 |
| 10 | 48 | 36 | 29 | 24 | 45 | 34 | 27 | 23 | 30 | 25 | 21 | 26 | 22 | 19 | 23 | 19 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 23274 | 23274 | 23274 |
| 5° | 23164 | 23180 | 23313 |
| 10° | 23062 | 23029 | 23029 |
| 15° | 22709 | 22709 | 22572 |
| 20° | 22340 | 22112 | 21918 |
| 25° | 21778 | 21503 | 21121 |
| 30° | 21244 | 20691 | 20194 |
| 35° | 20684 | 19916 | 19210 |
| 40° | 19938 | 18988 | 18169 |
| 45° | 19262 | 18163 | 17041 |
| 50° | 18567 | 17178 | 15944 |
| 55° | 17811 | 16225 | 14899 |
| 60° | 16992 | 15241 | 13720 |
| 65° | 16037 | 14120 | 12476 |
| 70° | 14933 | 12806 | 11115 |
| 75° | 13539 | 11239 | 9897 |
| 80° | 11807 | 9422 | 8757 |
| 85° | 9100 | 7971 | 7971 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19262 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 194.1 | 2.2 |
| 10°-20° | 545.3 | 6.1 |
| 20°-30° | 792.2 | 8.9 |
| 30°-40° | 900.7 | 10.1 |
| 40°-50° | 874.3 | 9.8 |
| 50°-60° | 738.2 | 8.3 |
| 60°-70° | 525.2 | 5.9 |
| 70°-80° | 280.6 | 3.1 |
| 80°-90° | 74.2 | 0.8 |
| 90°-100° | 31.4 | 0.4 |
| 100°-110° | 227.7 | 2.5 |
| 110°-120° | 541.5 | 6.1 |
| 120°-130° | 691.8 | 7.7 |
| 130°-140° | 746.2 | 8.3 |
| 140°-150° | 703.5 | 7.9 |
| 150°-160° | 573.8 | 6.4 |
| 160°-170° | 373.9 | 4.2 |
| 170°-180° | 129.3 | 1.4 |
| 0°-30° | 1531.5 | 17.1 |
| 0°-40° | 2432.2 | 27.2 |
| 0°-60° | 4044.8 | 45.2 |
| 0°-90° | 4924.8 | 55.1 |
| 90°-120° | 800.7 | 9.0 |
| 90°-150° | 2942.1 | 32.9 |
| 90°-180° | 4019.0 | 44.9 |
| 0°-180° | 8943.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2057 | 2057 | 2057 | 2057 | 2057 | |
| 5° | 2040 | 2065 | 2041 | 2038 | 2053 | 194 |
| 15° | 1939 | 1956 | 1939 | 1927 | 1927 | 546 |
| 25° | 1744 | 1750 | 1722 | 1699 | 1692 | 804 |
| 35° | 1498 | 1483 | 1442 | 1399 | 1391 | 933 |
| 45° | 1204 | 1185 | 1135 | 1081 | 1065 | 929 |
| 55° | 903 | 879 | 822 | 770 | 755 | 807 |
| 65° | 599 | 578 | 527 | 480 | 466 | 593 |
| 75° | 310 | 293 | 257 | 231 | 226 | 330 |
| 85° | 70 | 64 | 61 | 61 | 61 | 83 |
| 90° | 0 | 0 | 0 | 1 | 0 | 5 |
| 95° | 58 | 10 | 13 | 14 | 14 | 71 |
| 105° | 288 | 292 | 297 | 22 | 23 | 304 |
| 115° | 541 | 545 | 546 | 554 | 557 | 534 |
| 125° | 769 | 774 | 772 | 780 | 785 | 686 |
| 135° | 966 | 971 | 963 | 970 | 976 | 744 |
| 145° | 1124 | 1131 | 1117 | 1124 | 1130 | 703 |
| 155° | 1245 | 1255 | 1238 | 1241 | 1249 | 574 |
| 165° | 1327 | 1334 | 1320 | 1316 | 1325 | 375 |
| 175° | 1365 | 1372 | 1354 | 1346 | 1351 | 130 |
| 180° | 1362 | 1362 | 1362 | 1362 | 1362 | |

TEST NUMBER: P1439267

CATALOG NUMBER: CB3-085U-120D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2057.0 | 2057.0 | 2057.0 | 2057.0 | 2057.0 |
| 2.5° | 2046.5 | 2067.1 | 2048.8 | 2051.3 | 2055.8 |
| 5° | 2039.5 | 2065.2 | 2040.9 | 2038.3 | 2052.6 |
| 7.5° | 2023.7 | 2047.1 | 2021.9 | 2016.1 | 2029.0 |
| 10° | 2007.3 | 2033.0 | 2004.4 | 1997.3 | 2004.4 |
| 12.5° | 1978.1 | 2005.0 | 1982.2 | 1970.4 | 1976.4 |
| 15° | 1938.7 | 1955.8 | 1938.7 | 1927.0 | 1927.0 |
| 17.5° | 1890.5 | 1908.5 | 1876.1 | 1867.9 | 1864.7 |
| 20° | 1855.4 | 1871.1 | 1836.4 | 1824.6 | 1820.3 |
| 22.5° | 1808.6 | 1823.2 | 1794.3 | 1774.3 | 1768.9 |
| 25° | 1744.4 | 1750.1 | 1722.4 | 1698.9 | 1691.8 |
| 27.5° | 1679.8 | 1681.2 | 1643.3 | 1614.7 | 1605.3 |
| 30° | 1626.0 | 1627.5 | 1583.7 | 1552.8 | 1545.7 |
| 32.5° | 1572.3 | 1568.0 | 1526.4 | 1489.8 | 1484.9 |
| 35° | 1497.5 | 1483.2 | 1441.9 | 1399.4 | 1390.8 |
| 37.5° | 1407.2 | 1398.6 | 1349.9 | 1307.2 | 1294.4 |
| 40° | 1349.9 | 1335.6 | 1285.6 | 1243.0 | 1230.1 |
| 42.5° | 1292.6 | 1276.1 | 1224.9 | 1177.5 | 1163.5 |
| 45° | 1203.8 | 1185.2 | 1135.1 | 1080.7 | 1065.0 |
| 47.5° | 1114.4 | 1094.1 | 1039.0 | 986.3 | 968.9 |
| 50° | 1054.8 | 1033.4 | 975.9 | 924.4 | 905.8 |
| 52.5° | 994.0 | 971.5 | 914.0 | 861.3 | 846.2 |
| 55° | 902.9 | 878.6 | 822.5 | 769.6 | 755.3 |
| 57.5° | 811.7 | 787.7 | 731.9 | 681.9 | 664.7 |
| 60° | 750.9 | 728.1 | 673.5 | 623.4 | 606.3 |
| 62.5° | 689.0 | 667.3 | 613.9 | 565.0 | 549.0 |
| 65° | 599.0 | 577.6 | 527.4 | 480.3 | 466.0 |
| 67.5° | 509.9 | 491.6 | 442.1 | 398.9 | 387.4 |
| 70° | 451.4 | 434.3 | 387.1 | 347.4 | 336.0 |
| 72.5° | 395.3 | 377.0 | 332.2 | 298.4 | 290.4 |
| 75° | 309.7 | 292.6 | 257.1 | 230.7 | 226.4 |
| 77.5° | 231.4 | 217.4 | 186.7 | 171.8 | 169.5 |
| 80° | 181.2 | 168.3 | 144.6 | 134.4 | 134.4 |
| 82.5° | 134.4 | 123.8 | 108.4 | 104.0 | 104.0 |
| 85° | 70.1 | 64.4 | 61.4 | 61.4 | 61.4 |
| 87.5° | 21.0 | 21.0 | 19.9 | 18.9 | 18.7 |
| 90° | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 |
| 92.5° | 15.6 | 6.0 | 4.9 | 5.9 | 5.7 |
| 95° | 57.5 | 10.3 | 13.3 | 14.4 | 14.4 |
| 97.5° | 115.8 | 113.6 | 15.6 | 18.7 | 18.9 |
| 100° | 160.1 | 165.1 | 16.4 | 19.5 | 20.5 |
| 102.5° | 209.4 | 213.6 | 30.4 | 20.3 | 21.3 |
| 105° | 288.4 | 292.4 | 296.6 | 21.6 | 22.6 |
| 107.5° | 367.0 | 370.0 | 372.7 | 335.5 | 125.6 |
| 110° | 418.7 | 421.7 | 422.8 | 433.1 | 435.1 |

TEST NUMBER: P1439267

CATALOG NUMBER: CB3-085U-120D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 467.2 | 471.0 | 472.9 | 481.6 | 485.2 |
| 115° | 540.8 | 544.9 | 546.0 | 554.3 | 557.3 |
| 117.5° | 610.8 | 615.0 | 617.0 | 623.7 | 628.5 |
| 120° | 656.8 | 661.8 | 663.0 | 671.3 | 675.3 |
| 122.5° | 702.0 | 707.8 | 707.3 | 714.8 | 720.4 |
| 125° | 768.7 | 773.7 | 771.7 | 780.1 | 785.1 |
| 127.5° | 832.1 | 835.1 | 830.9 | 841.0 | 845.2 |
| 130° | 872.3 | 875.3 | 870.3 | 879.6 | 884.6 |
| 132.5° | 909.3 | 913.9 | 908.0 | 916.6 | 921.6 |
| 135° | 965.7 | 970.7 | 962.6 | 970.0 | 976.0 |
| 137.5° | 1016.0 | 1022.0 | 1012.3 | 1020.8 | 1026.1 |
| 140° | 1048.8 | 1054.9 | 1042.7 | 1052.1 | 1058.1 |
| 142.5° | 1079.2 | 1086.8 | 1072.2 | 1080.8 | 1087.6 |
| 145° | 1123.8 | 1130.8 | 1116.6 | 1123.9 | 1129.9 |
| 147.5° | 1166.0 | 1172.1 | 1158.4 | 1163.7 | 1167.9 |
| 150° | 1191.5 | 1197.5 | 1182.3 | 1187.5 | 1192.5 |
| 152.5° | 1212.0 | 1220.4 | 1205.2 | 1208.9 | 1216.3 |
| 155° | 1244.9 | 1254.9 | 1237.7 | 1240.9 | 1249.0 |
| 157.5° | 1275.0 | 1284.1 | 1266.8 | 1269.6 | 1276.7 |
| 160° | 1293.1 | 1302.1 | 1284.9 | 1286.1 | 1293.1 |
| 162.5° | 1307.0 | 1315.3 | 1300.5 | 1298.4 | 1307.0 |
| 165° | 1327.0 | 1334.0 | 1319.8 | 1315.9 | 1324.9 |
| 167.5° | 1343.6 | 1351.6 | 1334.1 | 1330.9 | 1341.1 |
| 170° | 1352.6 | 1360.6 | 1342.4 | 1337.5 | 1348.5 |
| 172.5° | 1358.4 | 1365.6 | 1348.1 | 1341.5 | 1350.2 |
| 175° | 1364.9 | 1372.0 | 1353.6 | 1346.5 | 1350.6 |
| 177.5° | 1366.8 | 1372.4 | 1357.7 | 1351.4 | 1361.0 |
| 180° | 1361.9 | 1361.9 | 1361.9 | 1361.9 | 1361.9 |



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CATALOG NUMBER: CB3-085U-120D-930-1D-UNV-STD-W-4

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 | 18.54 | 19.44 | 19.46 | 20.37 | 21.57 | 17.46 | 18.36 | 18.38 | 19.29 | 20.49 |
| | 3H | 20.21 | 21.01 | 21.14 | 21.95 | 23.18 | 18.88 | 19.68 | 19.81 | 20.62 | 21.85 |
| | 4H | 20.84 | 21.60 | 21.78 | 22.55 | 23.78 | 19.40 | 20.16 | 20.34 | 21.10 | 22.33 |
| | 6H | 21.23 | 21.93 | 22.18 | 22.88 | 24.12 | 19.72 | 20.42 | 20.67 | 21.37 | 22.61 |
| | 8H | 21.37 | 22.03 | 22.33 | 23.00 | 24.24 | 19.84 | 20.51 | 20.80 | 21.48 | 22.72 |
| | 12H | 21.44 | 22.07 | 22.40 | 23.03 | 24.30 | 19.92 | 20.55 | 20.88 | 21.51 | 22.78 |
| 4H | 2H | 18.95 | 19.71 | 19.90 | 20.66 | 21.89 | 18.09 | 18.85 | 19.04 | 19.80 | 21.03 |
| | 3H | 20.85 | 21.48 | 21.80 | 22.45 | 23.70 | 19.72 | 20.35 | 20.67 | 21.33 | 22.57 |
| | 4H | 21.60 | 22.17 | 22.56 | 23.14 | 24.41 | 20.32 | 20.90 | 21.29 | 21.87 | 23.14 |
| | 6H | 22.10 | 22.60 | 23.08 | 23.59 | 24.86 | 20.74 | 21.24 | 21.72 | 22.23 | 23.50 |
| | 8H | 22.29 | 22.76 | 23.27 | 23.74 | 25.03 | 20.91 | 21.37 | 21.89 | 22.36 | 23.64 |
| | 12H | 22.39 | 22.81 | 23.39 | 23.81 | 25.10 | 21.02 | 21.44 | 22.02 | 22.44 | 23.73 |
| 8H | 4H | 21.73 | 22.19 | 22.71 | 23.18 | 24.46 | 20.59 | 21.05 | 21.57 | 22.04 | 23.32 |
| | 6H | 22.35 | 22.73 | 23.35 | 23.76 | 25.04 | 21.12 | 21.50 | 22.12 | 22.53 | 23.81 |
| | 8H | 22.62 | 22.96 | 23.64 | 23.98 | 25.28 | 21.37 | 21.71 | 22.39 | 22.73 | 24.03 |
| | 12H | 22.79 | 23.09 | 23.81 | 24.10 | 25.44 | 21.55 | 21.85 | 22.57 | 22.86 | 24.20 |
| 12H | 4H | 21.70 | 22.12 | 22.70 | 23.13 | 24.41 | 20.59 | 21.01 | 21.59 | 22.02 | 23.30 |
| | 6H | 22.37 | 22.70 | 23.38 | 23.72 | 25.02 | 21.18 | 21.51 | 22.19 | 22.53 | 23.83 |
| | 8H | 22.67 | 22.96 | 23.68 | 23.98 | 25.32 | 21.46 | 21.76 | 22.48 | 22.77 | 24.11 |