

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: P1438967

Luminaire Tested: CB2-B-125U-085D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438967
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-125U-085D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

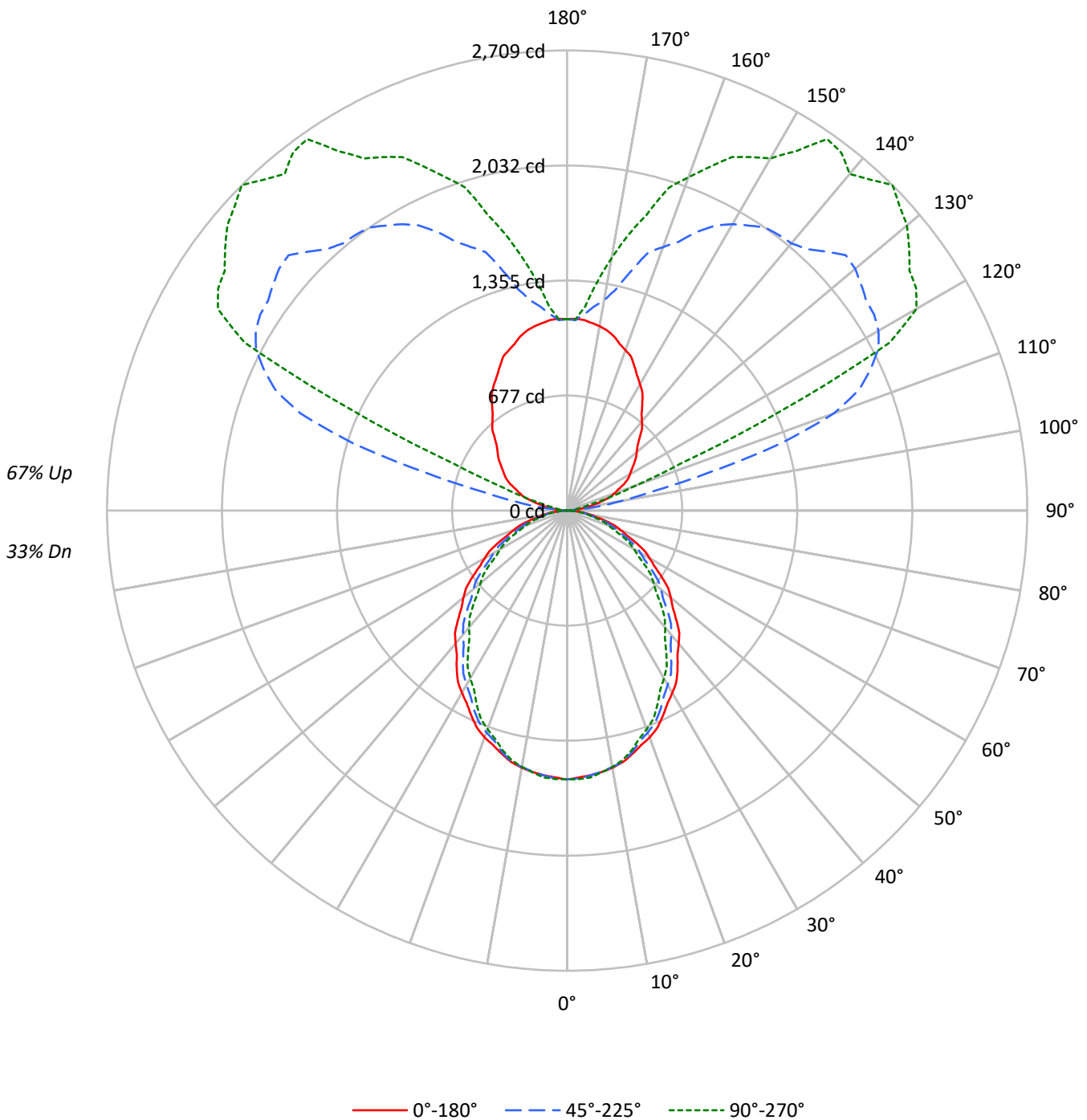
Lumens per Lamp: N/A
Luminaire Lumens: 11091.9 lumens
Efficiency: N/A
Efficacy: 163.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 67.8
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 | | | | 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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 57 | 57 | 57 | 41 | 41 | 41 | 33 |
| 1 | 94 | 90 | 86 | 83 | 85 | 81 | 78 | 75 | 65 | 63 | 61 | 50 | 49 | 47 | 36 | 35 | 35 | 28 |
| 2 | 86 | 79 | 73 | 68 | 77 | 71 | 66 | 62 | 57 | 54 | 51 | 44 | 42 | 40 | 32 | 31 | 29 | 24 |
| 3 | 78 | 69 | 62 | 57 | 70 | 63 | 57 | 52 | 50 | 46 | 43 | 39 | 36 | 34 | 28 | 27 | 25 | 20 |
| 4 | 72 | 61 | 54 | 48 | 64 | 56 | 49 | 44 | 45 | 40 | 36 | 35 | 32 | 29 | 25 | 23 | 22 | 18 |
| 5 | 66 | 55 | 47 | 41 | 59 | 50 | 43 | 38 | 40 | 35 | 31 | 31 | 28 | 25 | 23 | 21 | 19 | 15 |
| 6 | 60 | 49 | 41 | 35 | 54 | 44 | 38 | 33 | 36 | 31 | 27 | 28 | 25 | 22 | 21 | 19 | 17 | 14 |
| 7 | 56 | 44 | 36 | 31 | 50 | 40 | 33 | 29 | 33 | 28 | 24 | 26 | 22 | 19 | 19 | 17 | 15 | 12 |
| 8 | 52 | 40 | 32 | 27 | 47 | 36 | 30 | 25 | 30 | 25 | 21 | 23 | 20 | 17 | 18 | 15 | 13 | 11 |
| 9 | 48 | 36 | 29 | 24 | 43 | 33 | 27 | 22 | 27 | 22 | 19 | 22 | 18 | 15 | 16 | 14 | 12 | 10 |
| 10 | 45 | 33 | 26 | 22 | 41 | 30 | 24 | 20 | 25 | 20 | 17 | 20 | 16 | 14 | 15 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 27573 | 27573 | 27573 |
| 5° | 27340 | 27381 | 27574 |
| 10° | 27185 | 27120 | 27099 |
| 15° | 26754 | 26579 | 26361 |
| 20° | 26333 | 25749 | 25389 |
| 25° | 25625 | 24903 | 24205 |
| 30° | 24917 | 23818 | 22917 |
| 35° | 24099 | 22706 | 21624 |
| 40° | 23235 | 21664 | 20395 |
| 45° | 22363 | 20573 | 19198 |
| 50° | 21580 | 19510 | 18033 |
| 55° | 20613 | 18405 | 16932 |
| 60° | 19507 | 17355 | 15836 |
| 65° | 18336 | 16184 | 14738 |
| 70° | 17039 | 14875 | 13332 |
| 75° | 15498 | 13459 | 12073 |
| 80° | 13862 | 11796 | 10943 |
| 85° | 10652 | 9692 | 7994 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22363 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 148.9 | 1.3 |
| 10°-20° | 415.0 | 3.7 |
| 20°-30° | 596.7 | 5.4 |
| 30°-40° | 670.7 | 6.0 |
| 40°-50° | 647.9 | 5.8 |
| 50°-60° | 547.4 | 4.9 |
| 60°-70° | 393.2 | 3.5 |
| 70°-80° | 214.9 | 1.9 |
| 80°-90° | 57.1 | 0.5 |
| 90°-100° | 84.4 | 0.8 |
| 100°-110° | 522.6 | 4.7 |
| 110°-120° | 1317.9 | 11.9 |
| 120°-130° | 1584.2 | 14.3 |
| 130°-140° | 1436.3 | 12.9 |
| 140°-150° | 1145.4 | 10.3 |
| 150°-160° | 781.3 | 7.0 |
| 160°-170° | 413.2 | 3.7 |
| 170°-180° | 115.0 | 1.0 |
| 0°-30° | 1160.6 | 10.5 |
| 0°-40° | 1831.2 | 16.5 |
| 0°-60° | 3026.5 | 27.3 |
| 0°-90° | 3691.7 | 33.3 |
| 90°-120° | 1924.8 | 17.4 |
| 90°-150° | 6090.7 | 54.9 |
| 90°-180° | 7400.0 | 66.7 |
| 0°-180° | 11091.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1583 | 1583 | 1583 | 1583 | 1583 | |
| 5° | 1564 | 1585 | 1566 | 1566 | 1577 | 148 |
| 15° | 1484 | 1497 | 1474 | 1460 | 1462 | 418 |
| 25° | 1333 | 1335 | 1296 | 1267 | 1260 | 614 |
| 35° | 1133 | 1120 | 1068 | 1026 | 1017 | 708 |
| 45° | 908 | 889 | 835 | 791 | 779 | 701 |
| 55° | 679 | 654 | 606 | 568 | 558 | 607 |
| 65° | 445 | 428 | 393 | 365 | 358 | 441 |
| 75° | 230 | 216 | 200 | 184 | 179 | 246 |
| 85° | 53 | 50 | 48 | 42 | 40 | 63 |
| 90° | 0 | 0 | 0 | 0 | 0 | 4 |
| 95° | 44 | 110 | 34 | 24 | 24 | 55 |
| 105° | 214 | 598 | 864 | 217 | 146 | 224 |
| 115° | 369 | 815 | 1971 | 1835 | 1398 | 362 |
| 125° | 481 | 988 | 2150 | 2447 | 2461 | 430 |
| 135° | 602 | 1096 | 2155 | 2524 | 2709 | 468 |
| 145° | 772 | 1152 | 2034 | 2452 | 2670 | 483 |
| 155° | 937 | 1174 | 1811 | 2182 | 2296 | 431 |
| 165° | 1063 | 1163 | 1461 | 1720 | 1801 | 298 |
| 175° | 1126 | 1140 | 1160 | 1180 | 1204 | 107 |
| 180° | 1126 | 1126 | 1126 | 1126 | 1126 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1583.1 | 1583.1 | 1583.1 | 1583.1 | 1583.1 |
| 2.5° | 1572.5 | 1591.4 | 1577.3 | 1579.3 | 1582.1 |
| 5° | 1563.7 | 1585.1 | 1566.1 | 1566.4 | 1577.1 |
| 7.5° | 1552.6 | 1572.7 | 1548.9 | 1544.6 | 1554.5 |
| 10° | 1537.1 | 1557.2 | 1533.4 | 1525.1 | 1532.2 |
| 12.5° | 1516.7 | 1535.9 | 1513.1 | 1499.9 | 1506.0 |
| 15° | 1483.7 | 1496.8 | 1474.0 | 1459.5 | 1461.9 |
| 17.5° | 1447.8 | 1455.9 | 1423.1 | 1410.9 | 1408.6 |
| 20° | 1420.7 | 1427.8 | 1389.2 | 1372.1 | 1369.8 |
| 22.5° | 1385.8 | 1391.9 | 1351.3 | 1330.4 | 1327.1 |
| 25° | 1333.4 | 1334.6 | 1295.8 | 1266.6 | 1259.5 |
| 27.5° | 1278.6 | 1274.8 | 1231.8 | 1197.2 | 1187.9 |
| 30° | 1238.9 | 1234.1 | 1184.3 | 1147.8 | 1139.5 |
| 32.5° | 1196.2 | 1187.7 | 1137.8 | 1098.3 | 1090.0 |
| 35° | 1133.4 | 1120.4 | 1067.9 | 1026.5 | 1017.0 |
| 37.5° | 1066.5 | 1051.8 | 1000.3 | 955.2 | 944.5 |
| 40° | 1021.9 | 1005.3 | 952.8 | 907.7 | 897.0 |
| 42.5° | 977.3 | 958.8 | 905.3 | 860.1 | 848.5 |
| 45° | 907.9 | 889.0 | 835.2 | 791.3 | 779.4 |
| 47.5° | 842.0 | 817.8 | 765.6 | 722.0 | 710.1 |
| 50° | 796.4 | 770.3 | 720.0 | 677.3 | 665.5 |
| 52.5° | 749.9 | 722.8 | 674.5 | 633.7 | 621.9 |
| 55° | 678.8 | 653.9 | 606.1 | 568.3 | 557.6 |
| 57.5° | 608.5 | 584.6 | 540.9 | 504.8 | 494.3 |
| 60° | 560.0 | 539.9 | 498.2 | 464.1 | 454.6 |
| 62.5° | 513.5 | 495.2 | 455.5 | 424.3 | 414.8 |
| 65° | 444.9 | 428.3 | 392.7 | 364.7 | 357.6 |
| 67.5° | 378.2 | 361.6 | 332.9 | 307.7 | 299.7 |
| 70° | 334.6 | 318.0 | 292.1 | 268.9 | 261.8 |
| 72.5° | 292.9 | 275.3 | 254.3 | 233.1 | 227.9 |
| 75° | 230.3 | 216.1 | 200.0 | 184.1 | 179.4 |
| 77.5° | 175.0 | 161.3 | 149.6 | 138.4 | 137.2 |
| 80° | 138.2 | 126.3 | 117.6 | 110.3 | 109.1 |
| 82.5° | 103.3 | 94.3 | 88.5 | 83.2 | 82.9 |
| 85° | 53.3 | 49.8 | 48.5 | 42.4 | 40.0 |
| 87.5° | 15.5 | 15.5 | 13.6 | 11.6 | 11.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 11.7 | 19.2 | 7.8 | 7.8 | 7.8 |
| 95° | 43.7 | 110.1 | 34.0 | 24.3 | 24.3 |
| 97.5° | 91.3 | 264.0 | 183.5 | 49.4 | 42.7 |
| 100° | 126.2 | 382.5 | 315.5 | 72.5 | 58.3 |
| 102.5° | 161.2 | 485.8 | 498.1 | 115.0 | 89.3 |
| 105° | 213.6 | 598.1 | 864.1 | 216.8 | 145.6 |
| 107.5° | 265.1 | 671.4 | 1324.3 | 447.4 | 269.9 |
| 110° | 296.1 | 713.8 | 1669.9 | 697.5 | 417.5 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 327.2 | 756.3 | 1860.2 | 1118.2 | 720.4 |
| 115° | 368.9 | 815.1 | 1970.9 | 1834.8 | 1398.1 |
| 117.5° | 403.9 | 869.1 | 2066.0 | 2269.0 | 2140.8 |
| 120° | 427.2 | 911.3 | 2116.5 | 2331.1 | 2373.8 |
| 122.5° | 450.5 | 942.2 | 2143.7 | 2355.3 | 2436.0 |
| 125° | 480.6 | 988.5 | 2150.5 | 2447.0 | 2461.2 |
| 127.5° | 510.7 | 1023.3 | 2182.6 | 2531.3 | 2537.9 |
| 130° | 534.0 | 1046.6 | 2213.6 | 2559.5 | 2611.7 |
| 132.5° | 561.2 | 1066.2 | 2225.3 | 2575.6 | 2654.4 |
| 135° | 601.9 | 1095.6 | 2155.4 | 2523.7 | 2708.8 |
| 137.5° | 653.4 | 1116.7 | 2088.4 | 2522.2 | 2641.8 |
| 140° | 684.5 | 1121.2 | 2053.4 | 2577.9 | 2587.4 |
| 142.5° | 719.4 | 1133.3 | 2045.7 | 2571.8 | 2653.4 |
| 145° | 771.9 | 1151.6 | 2034.0 | 2451.6 | 2669.9 |
| 147.5° | 824.3 | 1163.2 | 1989.3 | 2318.9 | 2509.7 |
| 150° | 859.2 | 1167.8 | 1946.6 | 2274.6 | 2393.2 |
| 152.5° | 894.2 | 1172.3 | 1892.3 | 2247.0 | 2346.6 |
| 155° | 936.9 | 1174.2 | 1810.7 | 2182.2 | 2296.1 |
| 157.5° | 981.6 | 1168.6 | 1712.6 | 2064.0 | 2188.4 |
| 160° | 1004.9 | 1161.5 | 1650.5 | 1978.2 | 2087.4 |
| 162.5° | 1028.2 | 1158.2 | 1596.1 | 1866.0 | 1994.2 |
| 165° | 1063.1 | 1162.8 | 1461.2 | 1720.3 | 1801.0 |
| 167.5° | 1086.4 | 1158.6 | 1335.0 | 1547.3 | 1661.2 |
| 170° | 1102.0 | 1158.9 | 1257.3 | 1414.8 | 1509.7 |
| 172.5° | 1113.6 | 1140.2 | 1210.7 | 1293.7 | 1358.3 |
| 175° | 1126.2 | 1140.5 | 1160.2 | 1180.2 | 1203.9 |
| 177.5° | 1130.1 | 1137.7 | 1122.3 | 1118.6 | 1126.2 |
| 180° | 1126.2 | 1126.2 | 1126.2 | 1126.2 | 1126.2 |



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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 | 16.74 | 17.46 | 17.83 | 18.55 | 20.04 | 15.64 | 16.36 | 16.73 | 17.45 | 18.94 |
| | 3H | 18.37 | 19.02 | 19.47 | 20.11 | 21.62 | 17.15 | 17.80 | 18.25 | 18.90 | 20.41 |
| | 4H | 18.99 | 19.61 | 20.10 | 20.70 | 22.22 | 17.72 | 18.33 | 18.83 | 19.43 | 20.95 |
| | 6H | 19.39 | 19.95 | 20.51 | 21.05 | 22.58 | 18.09 | 18.65 | 19.20 | 19.75 | 21.28 |
| | 8H | 19.53 | 20.07 | 20.66 | 21.19 | 22.71 | 18.22 | 18.76 | 19.34 | 19.87 | 21.40 |
| | 12H | 19.60 | 20.11 | 20.73 | 21.22 | 22.77 | 18.28 | 18.79 | 19.41 | 19.90 | 21.44 |
| 4H | 2H | 17.13 | 17.74 | 18.25 | 18.84 | 20.36 | 16.25 | 16.87 | 17.37 | 17.97 | 19.48 |
| | 3H | 18.99 | 19.50 | 20.11 | 20.62 | 22.15 | 17.98 | 18.49 | 19.10 | 19.61 | 21.14 |
| | 4H | 19.73 | 20.20 | 20.85 | 21.31 | 22.86 | 18.64 | 19.11 | 19.77 | 20.23 | 21.78 |
| | 6H | 20.24 | 20.64 | 21.37 | 21.78 | 23.32 | 19.11 | 19.51 | 20.25 | 20.65 | 22.19 |
| | 8H | 20.44 | 20.81 | 21.57 | 21.94 | 23.50 | 19.30 | 19.67 | 20.43 | 20.80 | 22.36 |
| | 12H | 20.54 | 20.88 | 21.69 | 22.02 | 23.58 | 19.38 | 19.72 | 20.53 | 20.86 | 22.42 |
| 8H | 4H | 19.87 | 20.25 | 21.00 | 21.37 | 22.93 | 18.91 | 19.28 | 20.04 | 20.41 | 21.97 |
| | 6H | 20.51 | 20.82 | 21.66 | 21.99 | 23.54 | 19.51 | 19.82 | 20.66 | 20.99 | 22.54 |
| | 8H | 20.80 | 21.07 | 21.96 | 22.22 | 23.79 | 19.78 | 20.05 | 20.94 | 21.20 | 22.77 |
| | 12H | 20.96 | 21.20 | 22.13 | 22.35 | 23.96 | 19.92 | 20.16 | 21.09 | 21.31 | 22.92 |
| 12H | 4H | 19.84 | 20.18 | 20.99 | 21.32 | 22.89 | 18.90 | 19.24 | 20.05 | 20.38 | 21.95 |
| | 6H | 20.54 | 20.81 | 21.70 | 21.96 | 23.53 | 19.57 | 19.84 | 20.73 | 20.99 | 22.56 |
| | 8H | 20.85 | 21.08 | 22.01 | 22.23 | 23.84 | 19.87 | 20.11 | 21.03 | 21.25 | 22.86 |