

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: P1439317

Luminaire Tested: CB3-125U-030D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439317
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: CB3-125U-030D-840-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

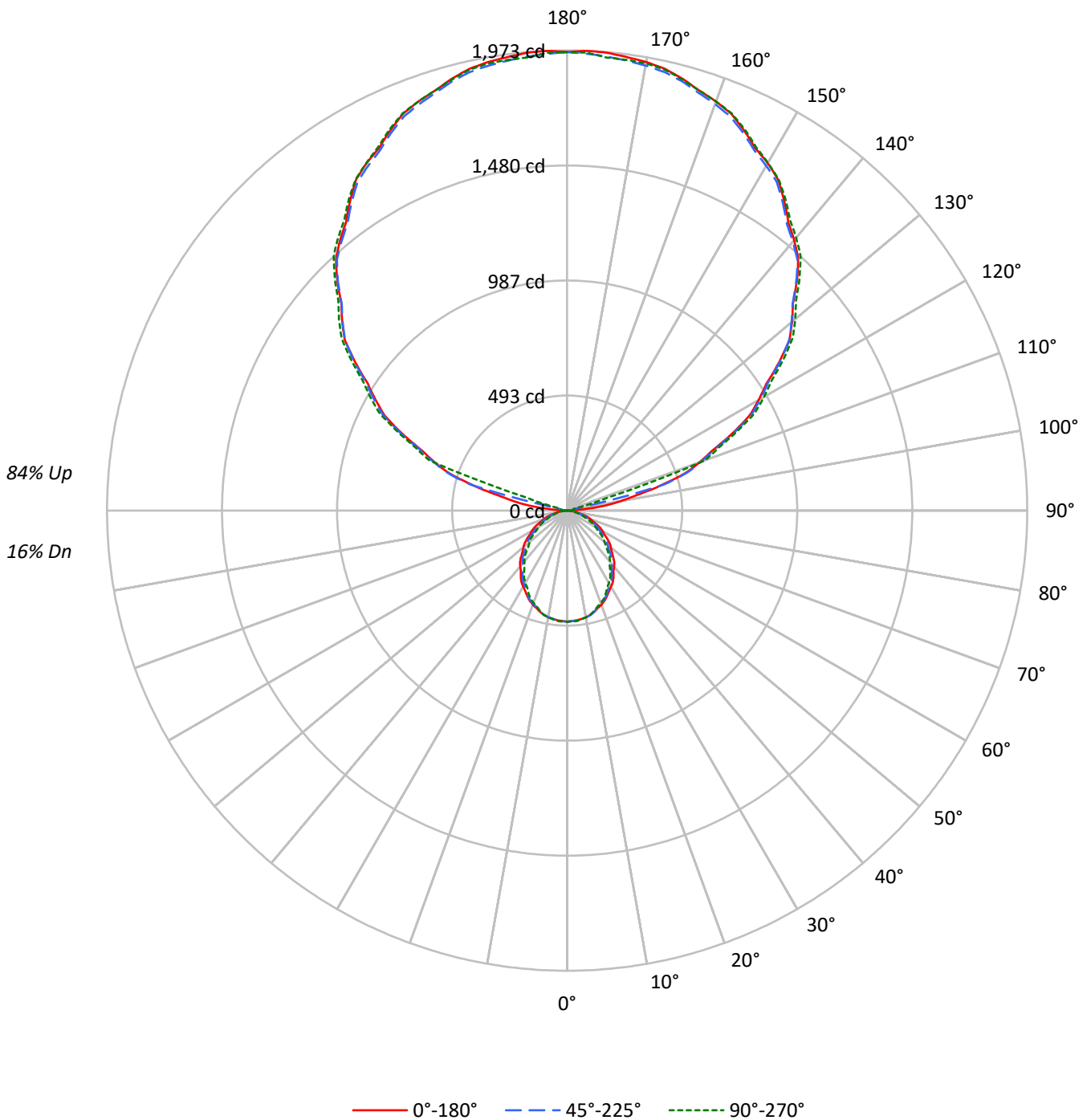
Lumens per Lamp: N/A
Luminaire Lumens: 6942.5 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 45.8
Input Voltage (V): 120
Input Current (Ain): 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: P1439317

CATALOG NUMBER: CB3-125U-030D-840-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439317

CATALOG NUMBER: CB3-125U-030D-840-1D-UNV-STD-W-4

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 | 18 | 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° | 5390 | 5390 | 5390 |
| 5° | 5365 | 5369 | 5399 |
| 10° | 5341 | 5333 | 5333 |
| 15° | 5259 | 5259 | 5228 |
| 20° | 5174 | 5121 | 5076 |
| 25° | 5044 | 4980 | 4891 |
| 30° | 4920 | 4792 | 4677 |
| 35° | 4790 | 4613 | 4449 |
| 40° | 4619 | 4399 | 4208 |
| 45° | 4461 | 4207 | 3948 |
| 50° | 4300 | 3978 | 3693 |
| 55° | 4125 | 3758 | 3450 |
| 60° | 3935 | 3530 | 3177 |
| 65° | 3713 | 3272 | 2889 |
| 70° | 3460 | 2967 | 2574 |
| 75° | 3134 | 2605 | 2291 |
| 80° | 2737 | 2183 | 2026 |
| 85° | 2103 | 1843 | 1843 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4461 cd/sqm



TEST NUMBER: P1439317

CATALOG NUMBER: CB3-125U-030D-840-1D-UNV-STD-W-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.0 | 0.6 |
| 10°-20° | 126.3 | 1.8 |
| 20°-30° | 183.5 | 2.6 |
| 30°-40° | 208.6 | 3.0 |
| 40°-50° | 202.5 | 2.9 |
| 50°-60° | 171.0 | 2.5 |
| 60°-70° | 121.7 | 1.8 |
| 70°-80° | 65.0 | 0.9 |
| 80°-90° | 17.2 | 0.2 |
| 90°-100° | 45.4 | 0.7 |
| 100°-110° | 328.8 | 4.7 |
| 110°-120° | 781.7 | 11.3 |
| 120°-130° | 998.6 | 14.4 |
| 130°-140° | 1077.2 | 15.5 |
| 140°-150° | 1015.5 | 14.6 |
| 150°-160° | 828.4 | 11.9 |
| 160°-170° | 539.7 | 7.8 |
| 170°-180° | 186.6 | 2.7 |
| 0°-30° | 354.7 | 5.1 |
| 0°-40° | 563.3 | 8.1 |
| 0°-60° | 936.8 | 13.5 |
| 0°-90° | 1140.7 | 16.4 |
| 90°-120° | 1155.8 | 16.6 |
| 90°-150° | 4247.1 | 61.2 |
| 90°-180° | 5802.0 | 83.6 |
| 0°-180° | 6942.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 476 | 476 | 476 | 476 | 476 | |
| 5° | 472 | 478 | 473 | 472 | 475 | 45 |
| 15° | 449 | 453 | 449 | 446 | 446 | 126 |
| 25° | 404 | 405 | 399 | 394 | 392 | 186 |
| 35° | 347 | 344 | 334 | 324 | 322 | 216 |
| 45° | 279 | 274 | 263 | 250 | 247 | 215 |
| 55° | 209 | 204 | 190 | 178 | 175 | 187 |
| 65° | 139 | 134 | 122 | 111 | 108 | 137 |
| 75° | 72 | 68 | 60 | 53 | 52 | 76 |
| 85° | 16 | 15 | 14 | 14 | 14 | 19 |
| 90° | 0 | 0 | 0 | 1 | 0 | 4 |
| 95° | 83 | 15 | 19 | 21 | 21 | 102 |
| 105° | 416 | 422 | 428 | 31 | 33 | 439 |
| 115° | 781 | 786 | 788 | 800 | 804 | 770 |
| 125° | 1110 | 1117 | 1114 | 1126 | 1133 | 990 |
| 135° | 1394 | 1401 | 1390 | 1400 | 1409 | 1074 |
| 145° | 1622 | 1632 | 1612 | 1622 | 1631 | 1015 |
| 155° | 1797 | 1812 | 1787 | 1791 | 1803 | 829 |
| 165° | 1916 | 1926 | 1905 | 1900 | 1913 | 541 |
| 175° | 1970 | 1980 | 1954 | 1944 | 1950 | 187 |
| 180° | 1966 | 1966 | 1966 | 1966 | 1966 | |

TEST NUMBER: P1439317

CATALOG NUMBER: CB3-125U-030D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 476.4 | 476.4 | 476.4 | 476.4 | 476.4 |
| 2.5° | 474.0 | 478.8 | 474.5 | 475.1 | 476.2 |
| 5° | 472.4 | 478.3 | 472.7 | 472.1 | 475.4 |
| 7.5° | 468.7 | 474.1 | 468.3 | 467.0 | 469.9 |
| 10° | 464.9 | 470.9 | 464.2 | 462.6 | 464.2 |
| 12.5° | 458.2 | 464.4 | 459.1 | 456.4 | 457.7 |
| 15° | 449.0 | 453.0 | 449.0 | 446.3 | 446.3 |
| 17.5° | 437.9 | 442.0 | 434.5 | 432.6 | 431.9 |
| 20° | 429.7 | 433.4 | 425.3 | 422.6 | 421.6 |
| 22.5° | 418.9 | 422.3 | 415.6 | 411.0 | 409.7 |
| 25° | 404.0 | 405.3 | 398.9 | 393.5 | 391.8 |
| 27.5° | 389.1 | 389.4 | 380.6 | 374.0 | 371.8 |
| 30° | 376.6 | 376.9 | 366.8 | 359.7 | 358.0 |
| 32.5° | 364.2 | 363.2 | 353.5 | 345.0 | 343.9 |
| 35° | 346.8 | 343.5 | 334.0 | 324.1 | 322.1 |
| 37.5° | 325.9 | 323.9 | 312.7 | 302.8 | 299.8 |
| 40° | 312.7 | 309.3 | 297.8 | 287.9 | 284.9 |
| 42.5° | 299.4 | 295.6 | 283.7 | 272.7 | 269.5 |
| 45° | 278.8 | 274.5 | 262.9 | 250.3 | 246.7 |
| 47.5° | 258.1 | 253.4 | 240.6 | 228.4 | 224.4 |
| 50° | 244.3 | 239.3 | 226.0 | 214.1 | 209.8 |
| 52.5° | 230.2 | 225.0 | 211.7 | 199.5 | 196.0 |
| 55° | 209.1 | 203.5 | 190.5 | 178.2 | 174.9 |
| 57.5° | 188.0 | 182.4 | 169.5 | 157.9 | 154.0 |
| 60° | 173.9 | 168.6 | 156.0 | 144.4 | 140.4 |
| 62.5° | 159.6 | 154.5 | 142.2 | 130.9 | 127.2 |
| 65° | 138.7 | 133.8 | 122.2 | 111.2 | 107.9 |
| 67.5° | 118.1 | 113.9 | 102.4 | 92.4 | 89.7 |
| 70° | 104.6 | 100.6 | 89.7 | 80.5 | 77.8 |
| 72.5° | 91.6 | 87.3 | 76.9 | 69.1 | 67.3 |
| 75° | 71.7 | 67.8 | 59.6 | 53.4 | 52.4 |
| 77.5° | 53.6 | 50.4 | 43.2 | 39.8 | 39.3 |
| 80° | 42.0 | 39.0 | 33.5 | 31.1 | 31.1 |
| 82.5° | 31.1 | 28.7 | 25.1 | 24.1 | 24.1 |
| 85° | 16.2 | 14.9 | 14.2 | 14.2 | 14.2 |
| 87.5° | 4.9 | 4.9 | 4.6 | 4.6 | 4.3 |
| 90° | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 |
| 92.5° | 22.5 | 8.6 | 7.1 | 8.6 | 8.3 |
| 95° | 83.0 | 14.9 | 19.3 | 20.7 | 20.7 |
| 97.5° | 167.1 | 163.9 | 22.5 | 27.0 | 27.3 |
| 100° | 231.1 | 238.3 | 23.7 | 28.2 | 29.6 |
| 102.5° | 302.2 | 308.3 | 43.9 | 29.4 | 30.8 |
| 105° | 416.3 | 422.1 | 428.1 | 31.1 | 32.6 |
| 107.5° | 529.8 | 534.1 | 538.1 | 484.4 | 181.3 |
| 110° | 604.4 | 608.8 | 610.4 | 625.2 | 628.1 |



TEST NUMBER: P1439317

CATALOG NUMBER: CB3-125U-030D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 674.4 | 679.9 | 682.7 | 695.2 | 700.4 |
| 115° | 780.7 | 786.5 | 788.1 | 800.1 | 804.4 |
| 117.5° | 881.8 | 887.8 | 890.7 | 900.3 | 907.2 |
| 120° | 948.1 | 955.4 | 957.0 | 969.0 | 974.8 |
| 122.5° | 1013.3 | 1021.7 | 1021.0 | 1031.9 | 1040.0 |
| 125° | 1109.6 | 1116.9 | 1114.1 | 1126.1 | 1133.3 |
| 127.5° | 1201.2 | 1205.5 | 1199.4 | 1214.0 | 1220.1 |
| 130° | 1259.2 | 1263.6 | 1256.3 | 1269.8 | 1277.0 |
| 132.5° | 1312.6 | 1319.2 | 1310.8 | 1323.1 | 1330.3 |
| 135° | 1394.0 | 1401.3 | 1389.6 | 1400.2 | 1408.9 |
| 137.5° | 1466.6 | 1475.3 | 1461.3 | 1473.6 | 1481.2 |
| 140° | 1514.0 | 1522.7 | 1505.2 | 1518.7 | 1527.4 |
| 142.5° | 1557.9 | 1568.9 | 1547.8 | 1560.2 | 1570.0 |
| 145° | 1622.2 | 1632.3 | 1611.8 | 1622.4 | 1631.1 |
| 147.5° | 1683.2 | 1691.9 | 1672.3 | 1679.8 | 1685.9 |
| 150° | 1720.0 | 1728.7 | 1706.6 | 1714.2 | 1721.5 |
| 152.5° | 1749.6 | 1761.8 | 1739.8 | 1745.1 | 1755.8 |
| 155° | 1797.0 | 1811.5 | 1786.6 | 1791.3 | 1802.9 |
| 157.5° | 1840.6 | 1853.6 | 1828.7 | 1832.8 | 1842.9 |
| 160° | 1866.6 | 1879.7 | 1854.8 | 1856.5 | 1866.6 |
| 162.5° | 1886.8 | 1898.7 | 1877.3 | 1874.3 | 1886.8 |
| 165° | 1915.5 | 1925.7 | 1905.2 | 1899.5 | 1912.6 |
| 167.5° | 1939.5 | 1951.1 | 1925.9 | 1921.2 | 1936.0 |
| 170° | 1952.6 | 1964.1 | 1937.7 | 1930.7 | 1946.6 |
| 172.5° | 1960.9 | 1971.3 | 1946.0 | 1936.5 | 1949.0 |
| 175° | 1970.3 | 1980.5 | 1954.0 | 1943.8 | 1949.6 |
| 177.5° | 1973.0 | 1981.1 | 1960.0 | 1950.8 | 1964.7 |
| 180° | 1965.9 | 1965.9 | 1965.9 | 1965.9 | 1965.9 |

TEST NUMBER: P1439317

CATALOG NUMBER: CB3-125U-030D-840-1D-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 | 8.42 | 9.04 | 9.62 | 10.22 | 11.90 | 7.34 | 7.96 | 8.55 | 9.14 | 10.82 |
| | 3H | 10.07 | 10.62 | 11.28 | 11.81 | 13.51 | 8.74 | 9.29 | 9.95 | 10.48 | 12.17 |
| | 4H | 10.69 | 11.22 | 11.90 | 12.40 | 14.10 | 9.24 | 9.77 | 10.46 | 10.96 | 12.66 |
| | 6H | 11.06 | 11.55 | 12.28 | 12.73 | 14.44 | 9.55 | 10.03 | 10.77 | 11.22 | 12.93 |
| | 8H | 11.19 | 11.65 | 12.41 | 12.86 | 14.56 | 9.67 | 10.13 | 10.89 | 11.33 | 13.03 |
| | 12H | 11.25 | 11.69 | 12.48 | 12.88 | 14.61 | 9.73 | 10.17 | 10.96 | 11.37 | 13.09 |
| 4H | 2H | 8.80 | 9.33 | 10.02 | 10.51 | 12.21 | 7.94 | 8.47 | 9.16 | 9.66 | 11.35 |
| | 3H | 10.67 | 11.11 | 11.89 | 12.32 | 14.03 | 9.54 | 9.98 | 10.76 | 11.19 | 12.90 |
| | 4H | 11.41 | 11.81 | 12.63 | 13.01 | 14.74 | 10.13 | 10.54 | 11.36 | 11.74 | 13.47 |
| | 6H | 11.90 | 12.24 | 13.12 | 13.46 | 15.18 | 10.53 | 10.88 | 11.76 | 12.10 | 13.81 |
| | 8H | 12.08 | 12.40 | 13.31 | 13.62 | 15.35 | 10.70 | 11.02 | 11.92 | 12.23 | 13.96 |
| | 12H | 12.17 | 12.46 | 13.41 | 13.68 | 15.42 | 10.79 | 11.09 | 12.03 | 12.31 | 14.04 |
| 8H | 4H | 11.52 | 11.84 | 12.74 | 13.05 | 14.78 | 10.38 | 10.70 | 11.60 | 11.91 | 13.64 |
| | 6H | 12.13 | 12.39 | 13.37 | 13.65 | 15.38 | 10.90 | 11.16 | 12.14 | 12.42 | 14.14 |
| | 8H | 12.40 | 12.63 | 13.65 | 13.86 | 15.61 | 11.15 | 11.38 | 12.39 | 12.60 | 14.36 |
| | 12H | 12.55 | 12.76 | 13.80 | 13.98 | 15.76 | 11.31 | 11.51 | 12.56 | 12.74 | 14.52 |
| 12H | 4H | 11.48 | 11.77 | 12.72 | 12.99 | 14.73 | 10.37 | 10.66 | 11.61 | 11.88 | 13.62 |
| | 6H | 12.14 | 12.37 | 13.39 | 13.60 | 15.35 | 10.95 | 11.18 | 12.20 | 12.41 | 14.16 |
| | 8H | 12.43 | 12.63 | 13.68 | 13.86 | 15.64 | 11.22 | 11.42 | 12.47 | 12.65 | 14.43 |