

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: P1439054

Luminaire Tested: CB2-D-085U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439054
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-085U-055D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

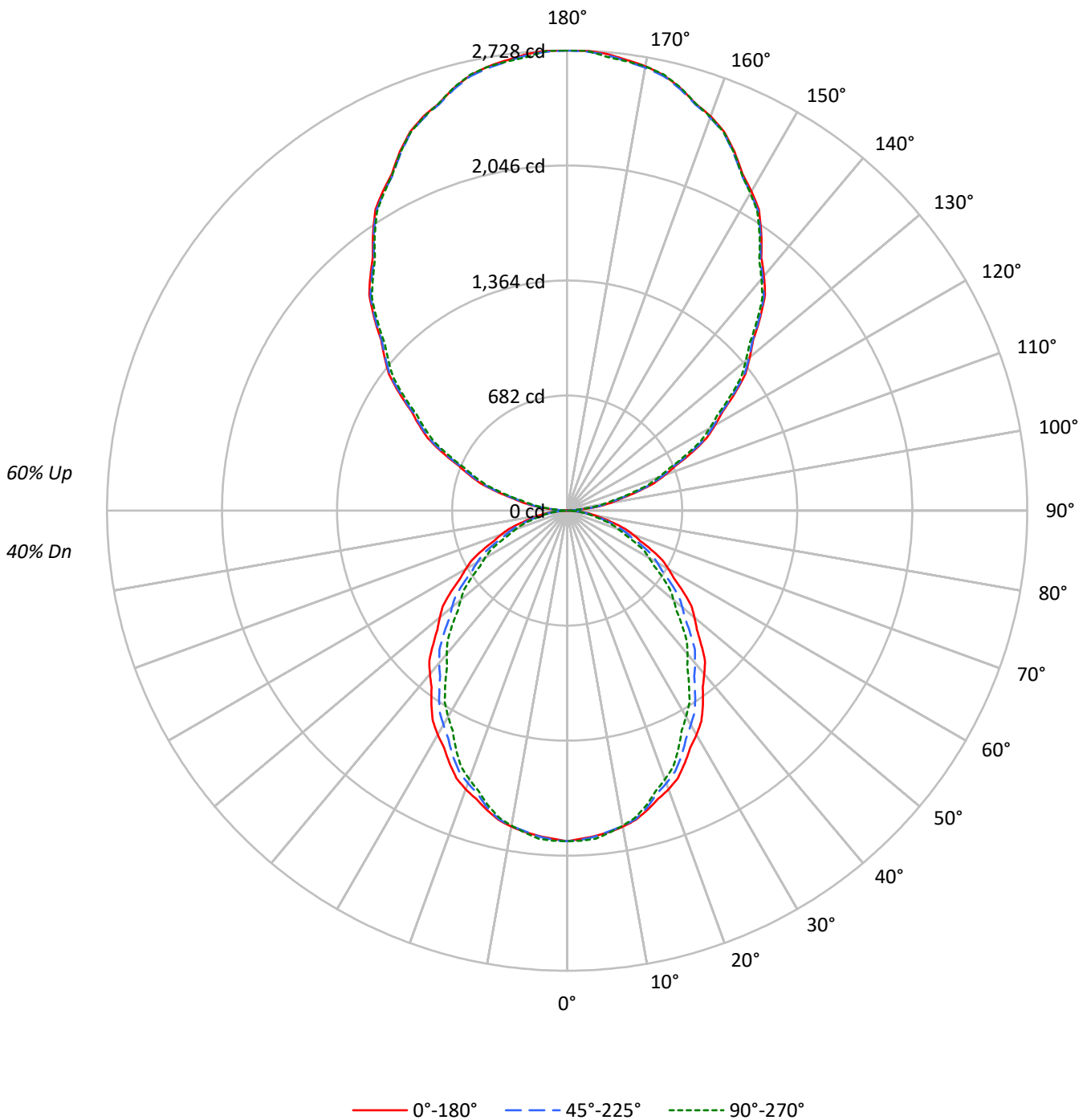
Lumens per Lamp: N/A
Luminaire Lumens: 11527.3 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 94.3
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1439054

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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 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 61 | 61 | 61 | 47 | 47 | 47 | 40 | | | | | | | | | | | | | | | | | | | | |
| 1 | 96 | 91 | 88 | 84 | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 54 | 53 | 51 | 41 | 40 | 40 | 34 | | | | | | | | | | | | | | | | | | | | |
| 2 | 87 | 80 | 74 | 69 | 79 | 73 | 68 | 64 | 60 | 56 | 53 | 48 | 45 | 43 | 37 | 35 | 34 | 28 | | | | | | | | | | | | | | | | | | | | |
| 3 | 80 | 70 | 63 | 58 | 72 | 64 | 58 | 53 | 53 | 48 | 45 | 42 | 39 | 37 | 33 | 30 | 29 | 24 | | | | | | | | | | | | | | | | | | | | |
| 4 | 73 | 62 | 55 | 49 | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 34 | 31 | 29 | 27 | 25 | 21 | | | | | | | | | | | | | | | | | | | | |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 34 | 30 | 27 | 26 | 24 | 22 | 18 | | | | | | | | | | | | | | | | | | | | |
| 6 | 62 | 50 | 42 | 36 | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 21 | 19 | 16 | | | | | | | | | | | | | | | | | | | | |
| 7 | 57 | 45 | 37 | 32 | 52 | 41 | 34 | 30 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 14 | | | | | | | | | | | | | | | | | | | | |
| 8 | 53 | 41 | 33 | 28 | 48 | 38 | 31 | 26 | 31 | 26 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 13 | | | | | | | | | | | | | | | | | | | | |
| 9 | 49 | 37 | 30 | 25 | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 14 | 12 | | | | | | | | | | | | | | | | | | | | |
| 10 | 46 | 34 | 27 | 22 | 42 | 31 | 25 | 21 | 26 | 22 | 18 | 22 | 18 | 15 | 17 | 15 | 13 | 11 | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 17069 | 17069 | 17069 |
| 5° | 16924 | 16951 | 17069 |
| 10° | 16828 | 16788 | 16775 |
| 15° | 16562 | 16454 | 16318 |
| 20° | 16301 | 15939 | 15717 |
| 25° | 15863 | 15416 | 14983 |
| 30° | 15424 | 14745 | 14186 |
| 35° | 14918 | 14057 | 13387 |
| 40° | 14383 | 13410 | 12626 |
| 45° | 13844 | 12735 | 11885 |
| 50° | 13359 | 12078 | 11162 |
| 55° | 12760 | 11393 | 10482 |
| 60° | 12077 | 10743 | 9802 |
| 65° | 11350 | 10021 | 9122 |
| 70° | 10547 | 9210 | 8255 |
| 75° | 9593 | 8331 | 7473 |
| 80° | 8581 | 7302 | 6775 |
| 85° | 6595 | 5995 | 4946 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13844 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 184.3 | 1.6 |
| 10°-20° | 513.8 | 4.5 |
| 20°-30° | 738.8 | 6.4 |
| 30°-40° | 830.3 | 7.2 |
| 40°-50° | 802.1 | 7.0 |
| 50°-60° | 677.7 | 5.9 |
| 60°-70° | 486.8 | 4.2 |
| 70°-80° | 266.1 | 2.3 |
| 80°-90° | 70.8 | 0.6 |
| 90°-100° | 105.4 | 0.9 |
| 100°-110° | 434.6 | 3.8 |
| 110°-120° | 788.9 | 6.8 |
| 120°-130° | 1073.6 | 9.3 |
| 130°-140° | 1239.3 | 10.8 |
| 140°-150° | 1248.9 | 10.8 |
| 150°-160° | 1077.8 | 9.3 |
| 160°-170° | 730.5 | 6.3 |
| 170°-180° | 257.7 | 2.2 |
| 0°-30° | 1436.9 | 12.5 |
| 0°-40° | 2267.2 | 19.7 |
| 0°-60° | 3747.0 | 32.5 |
| 0°-90° | 4570.7 | 39.7 |
| 90°-120° | 1328.9 | 11.5 |
| 90°-150° | 4890.7 | 42.4 |
| 90°-180° | 6957.0 | 60.4 |
| 0°-180° | 11527.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1960 | 1960 | 1960 | 1960 | 1960 | |
| 5° | 1936 | 1962 | 1939 | 1939 | 1952 | 184 |
| 15° | 1837 | 1853 | 1825 | 1807 | 1810 | 518 |
| 25° | 1651 | 1652 | 1604 | 1568 | 1559 | 760 |
| 35° | 1403 | 1387 | 1322 | 1271 | 1259 | 877 |
| 45° | 1124 | 1101 | 1034 | 980 | 965 | 868 |
| 55° | 840 | 810 | 750 | 704 | 690 | 751 |
| 65° | 551 | 530 | 486 | 452 | 443 | 546 |
| 75° | 285 | 268 | 248 | 228 | 222 | 305 |
| 85° | 66 | 62 | 60 | 52 | 50 | 79 |
| 90° | 0 | 0 | 2 | 0 | 2 | 6 |
| 95° | 102 | 90 | 85 | 66 | 66 | 119 |
| 105° | 430 | 424 | 413 | 389 | 385 | 456 |
| 115° | 817 | 815 | 800 | 777 | 774 | 806 |
| 125° | 1215 | 1227 | 1202 | 1177 | 1179 | 1085 |
| 135° | 1619 | 1638 | 1611 | 1581 | 1592 | 1247 |
| 145° | 2006 | 2029 | 1998 | 1975 | 1989 | 1254 |
| 155° | 2347 | 2370 | 2336 | 2322 | 2340 | 1079 |
| 165° | 2594 | 2621 | 2587 | 2573 | 2596 | 730 |
| 175° | 2717 | 2746 | 2711 | 2694 | 2700 | 258 |
| 180° | 2728 | 2728 | 2728 | 2728 | 2728 | |

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1960.0 | 1960.0 | 1960.0 | 1960.0 | 1960.0 |
| 2.5° | 1946.8 | 1970.3 | 1952.8 | 1955.3 | 1958.8 |
| 5° | 1936.0 | 1962.4 | 1939.0 | 1939.3 | 1952.5 |
| 7.5° | 1922.2 | 1947.1 | 1917.7 | 1912.3 | 1924.6 |
| 10° | 1903.0 | 1927.9 | 1898.5 | 1888.2 | 1897.0 |
| 12.5° | 1877.8 | 1901.6 | 1873.3 | 1856.9 | 1864.6 |
| 15° | 1837.0 | 1853.1 | 1825.0 | 1807.0 | 1809.9 |
| 17.5° | 1792.5 | 1802.5 | 1761.9 | 1746.8 | 1743.9 |
| 20° | 1758.9 | 1767.7 | 1719.9 | 1698.8 | 1695.9 |
| 22.5° | 1715.7 | 1723.3 | 1673.1 | 1647.2 | 1643.1 |
| 25° | 1650.9 | 1652.3 | 1604.3 | 1568.1 | 1559.3 |
| 27.5° | 1583.0 | 1578.3 | 1525.1 | 1482.2 | 1470.8 |
| 30° | 1533.8 | 1527.9 | 1466.3 | 1421.0 | 1410.7 |
| 32.5° | 1481.0 | 1470.4 | 1408.6 | 1359.8 | 1349.5 |
| 35° | 1403.2 | 1387.1 | 1322.2 | 1270.9 | 1259.2 |
| 37.5° | 1320.4 | 1302.2 | 1238.4 | 1182.6 | 1169.4 |
| 40° | 1265.2 | 1244.6 | 1179.6 | 1123.8 | 1110.6 |
| 42.5° | 1209.9 | 1187.0 | 1120.8 | 1064.9 | 1050.5 |
| 45° | 1124.1 | 1100.6 | 1034.0 | 979.7 | 965.0 |
| 47.5° | 1042.4 | 1012.5 | 947.9 | 893.8 | 879.2 |
| 50° | 986.0 | 953.7 | 891.5 | 838.6 | 823.9 |
| 52.5° | 928.4 | 894.9 | 835.0 | 784.6 | 769.9 |
| 55° | 840.4 | 809.6 | 750.4 | 703.6 | 690.4 |
| 57.5° | 753.4 | 723.8 | 669.6 | 624.9 | 612.0 |
| 60° | 693.4 | 668.4 | 616.8 | 574.5 | 562.8 |
| 62.5° | 635.7 | 613.1 | 564.0 | 525.3 | 513.6 |
| 65° | 550.8 | 530.2 | 486.3 | 451.5 | 442.7 |
| 67.5° | 468.2 | 447.7 | 412.1 | 381.0 | 371.0 |
| 70° | 414.2 | 393.7 | 361.7 | 333.0 | 324.2 |
| 72.5° | 362.6 | 340.9 | 314.9 | 288.6 | 282.1 |
| 75° | 285.1 | 267.5 | 247.6 | 228.0 | 222.1 |
| 77.5° | 216.7 | 199.7 | 185.2 | 171.4 | 169.9 |
| 80° | 171.1 | 156.4 | 145.6 | 136.5 | 135.1 |
| 82.5° | 127.9 | 116.7 | 109.6 | 102.9 | 102.7 |
| 85° | 66.0 | 61.6 | 60.0 | 52.5 | 49.5 |
| 87.5° | 19.2 | 19.2 | 17.2 | 14.4 | 14.8 |
| 90° | 0.0 | 0.0 | 2.1 | 0.0 | 2.1 |
| 92.5° | 25.5 | 22.2 | 20.9 | 13.7 | 15.7 |
| 95° | 102.1 | 89.6 | 85.1 | 66.0 | 66.0 |
| 97.5° | 192.8 | 180.3 | 173.6 | 154.0 | 149.8 |
| 100° | 257.5 | 245.0 | 238.3 | 216.9 | 212.8 |
| 102.5° | 323.8 | 318.0 | 306.4 | 283.3 | 279.2 |
| 105° | 429.8 | 423.6 | 412.8 | 389.3 | 385.1 |
| 107.5° | 538.7 | 540.0 | 523.8 | 504.6 | 498.7 |
| 110° | 617.0 | 615.0 | 602.1 | 582.9 | 578.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 697.0 | 693.3 | 680.4 | 661.2 | 657.0 |
| 115° | 817.0 | 815.0 | 800.0 | 776.6 | 774.5 |
| 117.5° | 931.1 | 937.8 | 920.0 | 895.3 | 894.5 |
| 120° | 1012.8 | 1021.1 | 1000.0 | 978.7 | 974.5 |
| 122.5° | 1092.8 | 1102.8 | 1081.7 | 1057.1 | 1057.9 |
| 125° | 1214.9 | 1227.4 | 1202.2 | 1176.7 | 1178.8 |
| 127.5° | 1332.8 | 1348.2 | 1324.7 | 1298.8 | 1301.3 |
| 130° | 1412.8 | 1431.5 | 1406.4 | 1378.9 | 1383.0 |
| 132.5° | 1494.5 | 1513.2 | 1488.1 | 1458.9 | 1466.4 |
| 135° | 1619.2 | 1637.9 | 1610.7 | 1581.1 | 1591.5 |
| 137.5° | 1736.7 | 1755.4 | 1725.6 | 1700.8 | 1713.2 |
| 140° | 1815.0 | 1833.7 | 1802.2 | 1779.1 | 1791.5 |
| 142.5° | 1891.6 | 1913.6 | 1880.5 | 1855.7 | 1871.6 |
| 145° | 2006.4 | 2029.3 | 1997.9 | 1974.9 | 1989.4 |
| 147.5° | 2115.4 | 2138.3 | 2106.5 | 2084.2 | 2099.2 |
| 150° | 2185.2 | 2208.1 | 2174.5 | 2155.8 | 2172.4 |
| 152.5° | 2249.9 | 2276.1 | 2240.9 | 2222.3 | 2243.9 |
| 155° | 2346.9 | 2369.8 | 2336.2 | 2321.8 | 2340.5 |
| 157.5° | 2431.1 | 2457.8 | 2424.3 | 2411.9 | 2426.9 |
| 160° | 2487.3 | 2512.3 | 2478.8 | 2466.4 | 2483.1 |
| 162.5° | 2529.9 | 2556.5 | 2524.8 | 2510.7 | 2530.7 |
| 165° | 2593.7 | 2620.7 | 2587.3 | 2572.9 | 2595.8 |
| 167.5° | 2643.9 | 2672.6 | 2638.8 | 2624.0 | 2647.3 |
| 170° | 2674.6 | 2701.6 | 2666.0 | 2649.6 | 2674.6 |
| 172.5° | 2695.0 | 2723.7 | 2686.5 | 2669.8 | 2686.5 |
| 175° | 2717.1 | 2746.2 | 2710.7 | 2693.8 | 2700.1 |
| 177.5° | 2727.7 | 2751.0 | 2722.6 | 2707.8 | 2727.7 |
| 180° | 2727.7 | 2727.7 | 2727.7 | 2727.7 | 2727.7 |



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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 | 15.82 | 16.58 | 16.86 | 17.63 | 19.04 | 14.72 | 15.48 | 15.76 | 16.53 | 17.94 |
| | 3H | 17.45 | 18.14 | 18.51 | 19.20 | 20.63 | 16.24 | 16.92 | 17.29 | 17.98 | 19.41 |
| | 4H | 18.08 | 18.73 | 19.14 | 19.79 | 21.23 | 16.81 | 17.46 | 17.87 | 18.52 | 19.95 |
| | 6H | 18.48 | 19.08 | 19.55 | 20.14 | 21.59 | 17.17 | 17.77 | 18.25 | 18.83 | 20.28 |
| | 8H | 18.62 | 19.19 | 19.70 | 20.27 | 21.72 | 17.31 | 17.88 | 18.39 | 18.96 | 20.40 |
| | 12H | 18.69 | 19.23 | 19.78 | 20.31 | 21.77 | 17.37 | 17.91 | 18.45 | 18.98 | 20.45 |
| 4H | 2H | 16.21 | 16.87 | 17.29 | 17.92 | 19.36 | 15.34 | 15.99 | 16.41 | 17.05 | 18.49 |
| | 3H | 18.08 | 18.62 | 19.15 | 19.70 | 21.15 | 17.07 | 17.61 | 18.15 | 18.69 | 20.15 |
| | 4H | 18.82 | 19.31 | 19.90 | 20.39 | 21.86 | 17.74 | 18.23 | 18.82 | 19.31 | 20.78 |
| | 6H | 19.33 | 19.76 | 20.42 | 20.86 | 22.32 | 18.21 | 18.63 | 19.30 | 19.73 | 21.20 |
| | 8H | 19.53 | 19.93 | 20.63 | 21.02 | 22.51 | 18.39 | 18.79 | 19.49 | 19.88 | 21.37 |
| | 12H | 19.64 | 20.00 | 20.75 | 21.10 | 22.59 | 18.48 | 18.84 | 19.59 | 19.94 | 21.43 |
| 8H | 4H | 18.97 | 19.36 | 20.06 | 20.46 | 21.94 | 18.00 | 18.40 | 19.10 | 19.49 | 20.97 |
| | 6H | 19.60 | 19.93 | 20.72 | 21.07 | 22.55 | 18.60 | 18.93 | 19.72 | 20.07 | 21.54 |
| | 8H | 19.89 | 20.18 | 21.02 | 21.30 | 22.80 | 18.88 | 19.17 | 20.00 | 20.28 | 21.78 |
| | 12H | 20.06 | 20.32 | 21.19 | 21.43 | 22.97 | 19.02 | 19.28 | 20.15 | 20.39 | 21.92 |
| 12H | 4H | 18.94 | 19.30 | 20.05 | 20.41 | 21.89 | 18.00 | 18.36 | 19.11 | 19.47 | 20.95 |
| | 6H | 19.63 | 19.92 | 20.75 | 21.04 | 22.54 | 18.67 | 18.95 | 19.79 | 20.07 | 21.57 |
| | 8H | 19.94 | 20.20 | 21.07 | 21.31 | 22.85 | 18.97 | 19.22 | 20.09 | 20.33 | 21.87 |