

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: P1439153

Luminaire Tested: CB3-030U-120D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439153  
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: CB3-030U-120D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

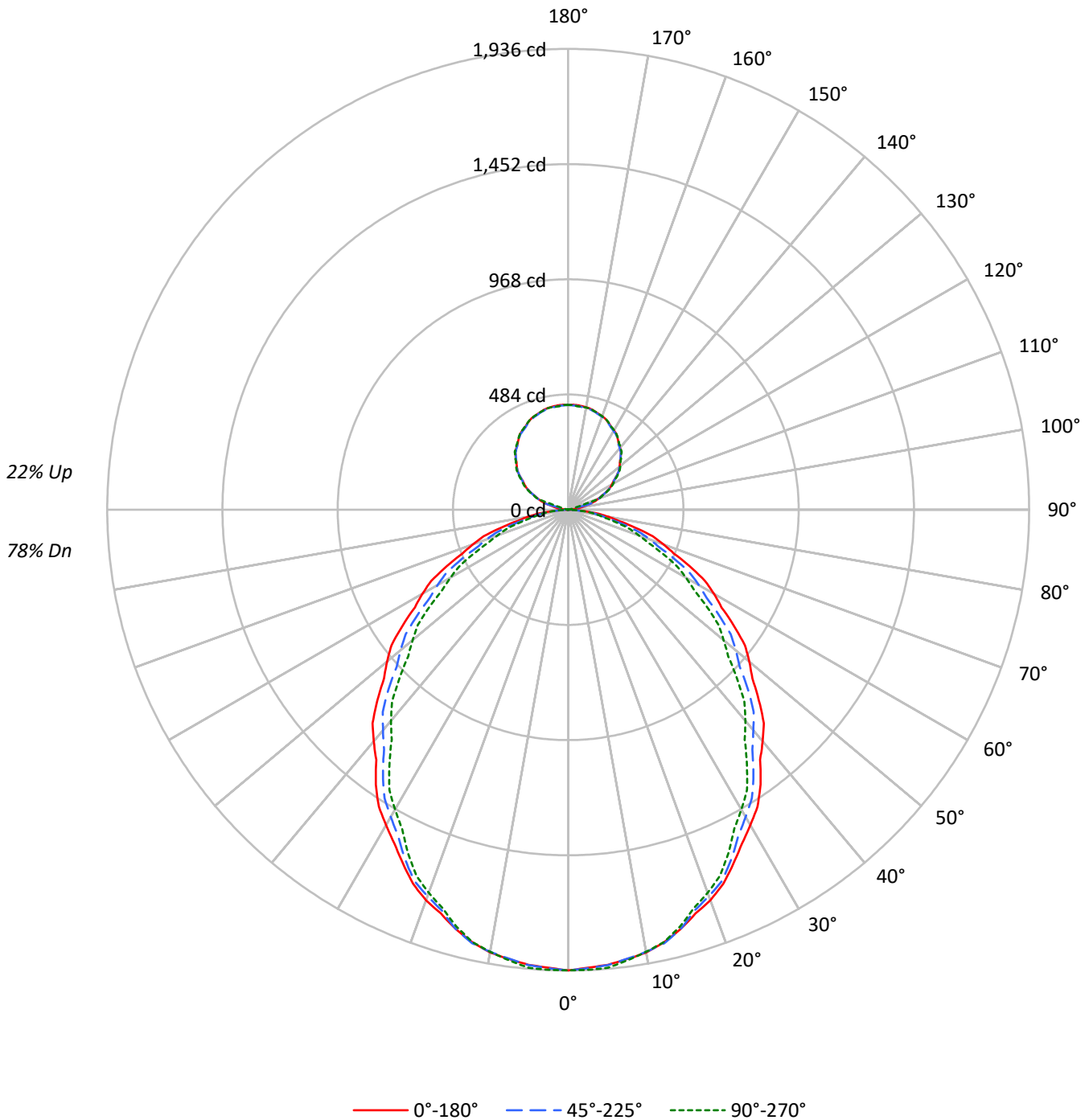
Lumens per Lamp: N/A  
Luminaire Lumens: 5932.0 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 46.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |  |   |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |   |
| 0   | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 99 | 90 | 90 | 90 | 82 | 82 | 82 | 82 | 78 |    |    |    |   |  |   |
| 1   | 104 | 100 | 96  | 92  | 99  | 96  | 92  | 89  | 87 | 85 | 82 | 80 | 78 | 76 | 73 | 71 | 70 | 70 | 66 |    |    |    |    |   |  |   |
| 2   | 95  | 88  | 81  | 76  | 91  | 84  | 78  | 73  | 77 | 72 | 69 | 71 | 67 | 64 | 65 | 62 | 59 | 56 |    |    |    |    |    |   |  |   |
| 3   | 87  | 77  | 70  | 64  | 83  | 74  | 67  | 62  | 68 | 63 | 58 | 63 | 58 | 54 | 57 | 54 | 51 | 48 |    |    |    |    |    |   |  |   |
| 4   | 80  | 69  | 61  | 54  | 76  | 66  | 59  | 53  | 61 | 55 | 50 | 56 | 51 | 47 | 52 | 47 | 44 | 41 |    |    |    |    |    |   |  |   |
| 5   | 74  | 62  | 53  | 47  | 70  | 59  | 52  | 46  | 55 | 48 | 43 | 51 | 45 | 41 | 47 | 42 | 39 | 36 |    |    |    |    |    |   |  |   |
| 6   | 68  | 56  | 47  | 41  | 65  | 53  | 46  | 40  | 50 | 43 | 38 | 46 | 40 | 36 | 42 | 38 | 34 | 32 |    |    |    |    |    |   |  |   |
| 7   | 63  | 50  | 42  | 36  | 60  | 49  | 41  | 36  | 45 | 39 | 34 | 42 | 36 | 32 | 39 | 34 | 30 | 28 |    |    |    |    |    |   |  |   |
| 8   | 59  | 46  | 38  | 32  | 56  | 44  | 37  | 32  | 41 | 35 | 30 | 38 | 33 | 29 | 36 | 31 | 27 | 25 |    |    |    |    |    |   |  |   |
| 9   | 55  | 42  | 34  | 29  | 52  | 41  | 34  | 29  | 38 | 32 | 27 | 35 | 30 | 26 | 33 | 28 | 25 | 23 |    |    |    |    |    |   |  |   |
| 10  | 51  | 39  | 31  | 26  | 49  | 38  | 31  | 26  | 35 | 29 | 25 | 33 | 28 | 24 | 31 | 26 | 23 | 21 |    |    |    |    |    |   |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 21899 | 21899 | 21899 |
| 5°  | 21796 | 21812 | 21936 |
| 10° | 21701 | 21668 | 21668 |
| 15° | 21367 | 21367 | 21238 |
| 20° | 21021 | 20805 | 20623 |
| 25° | 20490 | 20233 | 19872 |
| 30° | 19989 | 19468 | 19002 |
| 35° | 19462 | 18741 | 18076 |
| 40° | 18761 | 17867 | 17095 |
| 45° | 18125 | 17091 | 16035 |
| 50° | 17470 | 16164 | 15002 |
| 55° | 16758 | 15266 | 14020 |
| 60° | 15990 | 14340 | 12910 |
| 65° | 15089 | 13285 | 11740 |
| 70° | 14053 | 12052 | 10460 |
| 75° | 12739 | 10575 | 9316  |
| 80° | 11109 | 8868  | 8242  |
| 85° | 8568  | 7491  | 7491  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18125 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 182.6  | 3.1       |
| 10°-20°   | 513.0  | 8.6       |
| 20°-30°   | 745.4  | 12.6      |
| 30°-40°   | 847.5  | 14.3      |
| 40°-50°   | 822.7  | 13.9      |
| 50°-60°   | 694.6  | 11.7      |
| 60°-70°   | 494.2  | 8.3       |
| 70°-80°   | 264.1  | 4.5       |
| 80°-90°   | 69.8   | 1.2       |
| 90°-100°  | 10.1   | 0.2       |
| 100°-110° | 73.6   | 1.2       |
| 110°-120° | 174.9  | 2.9       |
| 120°-130° | 223.5  | 3.8       |
| 130°-140° | 241.0  | 4.1       |
| 140°-150° | 227.2  | 3.8       |
| 150°-160° | 185.4  | 3.1       |
| 160°-170° | 120.8  | 2.0       |
| 170°-180° | 41.7   | 0.7       |
| 0°-30°    | 1441.1 | 24.3      |
| 0°-40°    | 2288.5 | 38.6      |
| 0°-60°    | 3805.8 | 64.2      |
| 0°-90°    | 4633.8 | 78.1      |
| 90°-120°  | 258.6  | 4.4       |
| 90°-150°  | 950.3  | 16.0      |
| 90°-180°  | 1298.0 | 21.9      |
| 0°-180°   | 5932.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1936 | 1936  | 1936 | 1936  | 1936 |      |
| 5°   | 1919 | 1943  | 1920 | 1918  | 1931 | 182  |
| 15°  | 1824 | 1840  | 1824 | 1813  | 1813 | 514  |
| 25°  | 1641 | 1647  | 1621 | 1599  | 1592 | 756  |
| 35°  | 1409 | 1396  | 1357 | 1317  | 1309 | 878  |
| 45°  | 1133 | 1115  | 1068 | 1017  | 1002 | 874  |
| 55°  | 850  | 827   | 774  | 724   | 711  | 760  |
| 65°  | 564  | 543   | 496  | 452   | 438  | 558  |
| 75°  | 291  | 275   | 242  | 217   | 213  | 311  |
| 85°  | 66   | 61    | 58   | 58    | 58   | 78   |
| 90°  | 0    | 0     | 0    | 0     | 0    | 3    |
| 95°  | 19   | 3     | 4    | 5     | 5    | 23   |
| 105° | 93   | 94    | 96   | 7     | 7    | 98   |
| 115° | 175  | 176   | 176  | 179   | 180  | 172  |
| 125° | 248  | 250   | 249  | 252   | 254  | 222  |
| 135° | 312  | 314   | 311  | 313   | 315  | 240  |
| 145° | 363  | 365   | 361  | 363   | 365  | 227  |
| 155° | 402  | 405   | 400  | 401   | 403  | 185  |
| 165° | 429  | 431   | 426  | 425   | 428  | 121  |
| 175° | 441  | 443   | 437  | 435   | 436  | 42   |
| 180° | 440  | 440   | 440  | 440   | 440  |      |

TEST NUMBER: P1439153

CATALOG NUMBER: CB3-030U-120D-927-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1935.5 | 1935.5 | 1935.5 | 1935.5 | 1935.5 |
| 2.5°   | 1925.6 | 1944.9 | 1927.8 | 1930.1 | 1934.4 |
| 5°     | 1919.0 | 1943.2 | 1920.4 | 1917.9 | 1931.4 |
| 7.5°   | 1904.1 | 1926.2 | 1902.5 | 1897.0 | 1909.1 |
| 10°    | 1888.8 | 1912.9 | 1886.0 | 1879.3 | 1886.0 |
| 12.5°  | 1861.3 | 1886.5 | 1865.1 | 1854.0 | 1859.6 |
| 15°    | 1824.1 | 1840.3 | 1824.1 | 1813.1 | 1813.1 |
| 17.5°  | 1778.8 | 1795.7 | 1765.3 | 1757.5 | 1754.6 |
| 20°    | 1745.8 | 1760.6 | 1727.9 | 1716.8 | 1712.8 |
| 22.5°  | 1701.8 | 1715.5 | 1688.3 | 1669.5 | 1664.4 |
| 25°    | 1641.3 | 1646.7 | 1620.7 | 1598.6 | 1591.8 |
| 27.5°  | 1580.6 | 1581.9 | 1546.2 | 1519.3 | 1510.5 |
| 30°    | 1530.0 | 1531.3 | 1490.1 | 1461.1 | 1454.4 |
| 32.5°  | 1479.4 | 1475.4 | 1436.2 | 1401.8 | 1397.2 |
| 35°    | 1409.0 | 1395.6 | 1356.8 | 1316.7 | 1308.7 |
| 37.5°  | 1324.1 | 1316.0 | 1270.2 | 1230.0 | 1217.9 |
| 40°    | 1270.2 | 1256.7 | 1209.7 | 1169.5 | 1157.4 |
| 42.5°  | 1216.3 | 1200.7 | 1152.5 | 1107.9 | 1094.8 |
| 45°    | 1132.7 | 1115.2 | 1068.1 | 1016.9 | 1002.1 |
| 47.5°  | 1048.6 | 1029.5 | 977.6  | 928.1  | 911.7  |
| 50°    | 992.5  | 972.3  | 918.3  | 869.7  | 852.3  |
| 52.5°  | 935.3  | 914.1  | 860.0  | 810.4  | 796.2  |
| 55°    | 849.5  | 826.7  | 773.9  | 724.1  | 710.7  |
| 57.5°  | 763.7  | 741.2  | 688.7  | 641.6  | 625.5  |
| 60°    | 706.6  | 685.1  | 633.7  | 586.6  | 570.5  |
| 62.5°  | 648.3  | 627.8  | 577.6  | 531.6  | 516.6  |
| 65°    | 563.6  | 543.4  | 496.2  | 452.0  | 438.5  |
| 67.5°  | 479.7  | 462.5  | 416.0  | 375.3  | 364.6  |
| 70°    | 424.8  | 408.6  | 364.3  | 326.9  | 316.2  |
| 72.5°  | 372.0  | 354.8  | 312.6  | 280.8  | 273.3  |
| 75°    | 291.4  | 275.3  | 241.9  | 217.1  | 213.1  |
| 77.5°  | 217.7  | 204.6  | 175.7  | 161.6  | 159.5  |
| 80°    | 170.5  | 158.4  | 136.1  | 126.5  | 126.5  |
| 82.5°  | 126.5  | 116.5  | 102.0  | 97.9   | 97.9   |
| 85°    | 66.0   | 60.6   | 57.7   | 57.7   | 57.7   |
| 87.5°  | 19.8   | 19.8   | 18.7   | 17.7   | 17.6   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.3    | 0.0    |
| 92.5°  | 5.0    | 1.9    | 1.6    | 1.9    | 1.9    |
| 95°    | 18.6   | 3.3    | 4.3    | 4.6    | 4.6    |
| 97.5°  | 37.4   | 36.7   | 5.0    | 6.0    | 6.1    |
| 100°   | 51.7   | 53.3   | 5.3    | 6.3    | 6.6    |
| 102.5° | 67.6   | 69.0   | 9.8    | 6.6    | 6.9    |
| 105°   | 93.1   | 94.4   | 95.8   | 7.0    | 7.3    |
| 107.5° | 118.5  | 119.5  | 120.4  | 108.4  | 40.6   |
| 110°   | 135.2  | 136.2  | 136.6  | 139.9  | 140.6  |



TEST NUMBER: P1439153

CATALOG NUMBER: CB3-030U-120D-927-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 150.9 | 152.1 | 152.8 | 155.6 | 156.7 |
| 115°   | 174.7 | 176.0 | 176.4 | 179.0 | 180.0 |
| 117.5° | 197.3 | 198.7 | 199.3 | 201.4 | 203.0 |
| 120°   | 212.2 | 213.8 | 214.1 | 216.8 | 218.1 |
| 122.5° | 226.7 | 228.6 | 228.5 | 230.9 | 232.7 |
| 125°   | 248.3 | 249.9 | 249.3 | 252.0 | 253.6 |
| 127.5° | 268.8 | 269.7 | 268.4 | 271.7 | 273.0 |
| 130°   | 281.8 | 282.7 | 281.1 | 284.1 | 285.7 |
| 132.5° | 293.7 | 295.2 | 293.3 | 296.1 | 297.7 |
| 135°   | 311.9 | 313.6 | 310.9 | 313.3 | 315.2 |
| 137.5° | 328.2 | 330.1 | 327.0 | 329.7 | 331.4 |
| 140°   | 338.8 | 340.7 | 336.8 | 339.8 | 341.8 |
| 142.5° | 348.6 | 351.1 | 346.3 | 349.1 | 351.3 |
| 145°   | 363.0 | 365.3 | 360.7 | 363.0 | 365.0 |
| 147.5° | 376.6 | 378.6 | 374.2 | 375.9 | 377.2 |
| 150°   | 384.9 | 386.8 | 381.9 | 383.6 | 385.2 |
| 152.5° | 391.5 | 394.2 | 389.3 | 390.5 | 392.9 |
| 155°   | 402.1 | 405.3 | 399.8 | 400.8 | 403.4 |
| 157.5° | 411.8 | 414.8 | 409.2 | 410.1 | 412.4 |
| 160°   | 417.7 | 420.6 | 415.0 | 415.4 | 417.7 |
| 162.5° | 422.2 | 424.8 | 420.1 | 419.4 | 422.2 |
| 165°   | 428.6 | 430.9 | 426.3 | 425.0 | 428.0 |
| 167.5° | 434.0 | 436.6 | 430.9 | 429.9 | 433.2 |
| 170°   | 436.9 | 439.5 | 433.6 | 432.0 | 435.6 |
| 172.5° | 438.8 | 441.1 | 435.4 | 433.3 | 436.1 |
| 175°   | 440.9 | 443.2 | 437.2 | 434.9 | 436.2 |
| 177.5° | 441.5 | 443.3 | 438.6 | 436.5 | 439.6 |
| 180°   | 439.9 | 439.9 | 439.9 | 439.9 | 439.9 |



TEST NUMBER: P1439153

CATALOG NUMBER: CB3-030U-120D-927-1D-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 | 20.16            | 21.32 | 20.83 | 22.01 | 22.82 | 19.08          | 20.25 | 19.75 | 20.94 | 21.74 |
|                 | 3H   | 21.85            | 22.89 | 22.53 | 23.59 | 24.43 | 20.52          | 21.56 | 21.20 | 22.26 | 23.10 |
|                 | 4H   | 22.49            | 23.48 | 23.20 | 24.19 | 25.04 | 21.05          | 22.03 | 21.75 | 22.74 | 23.60 |
|                 | 6H   | 22.89            | 23.80 | 23.61 | 24.52 | 25.39 | 21.38          | 22.29 | 22.10 | 23.01 | 23.88 |
|                 | 8H   | 23.04            | 23.91 | 23.77 | 24.65 | 25.51 | 21.51          | 22.38 | 22.24 | 23.12 | 23.99 |
|                 | 12H  | 23.11            | 23.94 | 23.85 | 24.68 | 25.57 | 21.60          | 22.43 | 22.33 | 23.16 | 24.05 |
| 4H              | 2H   | 20.60            | 21.59 | 21.31 | 22.30 | 23.15 | 19.74          | 20.73 | 20.45 | 21.44 | 22.29 |
|                 | 3H   | 22.52            | 23.34 | 23.24 | 24.09 | 24.96 | 21.39          | 22.21 | 22.11 | 22.96 | 23.83 |
|                 | 4H   | 23.28            | 24.03 | 24.02 | 24.78 | 25.68 | 22.01          | 22.76 | 22.75 | 23.50 | 24.40 |
|                 | 6H   | 23.80            | 24.45 | 24.56 | 25.22 | 26.13 | 22.44          | 23.08 | 23.20 | 23.86 | 24.77 |
|                 | 8H   | 24.00            | 24.60 | 24.76 | 25.37 | 26.29 | 22.61          | 23.22 | 23.38 | 23.99 | 24.91 |
|                 | 12H  | 24.11            | 24.65 | 24.89 | 25.45 | 26.37 | 22.73          | 23.28 | 23.52 | 24.07 | 25.00 |
| 8H              | 4H   | 23.43            | 24.04 | 24.19 | 24.81 | 25.73 | 22.29          | 22.90 | 23.06 | 23.67 | 24.59 |
|                 | 6H   | 24.06            | 24.56 | 24.86 | 25.38 | 26.30 | 22.83          | 23.34 | 23.63 | 24.15 | 25.07 |
|                 | 8H   | 24.34            | 24.79 | 25.15 | 25.60 | 26.54 | 23.09          | 23.53 | 23.89 | 24.35 | 25.28 |
|                 | 12H  | 24.52            | 24.91 | 25.33 | 25.72 | 26.71 | 23.28          | 23.67 | 24.08 | 24.47 | 25.47 |
| 12H             | 4H   | 23.42            | 23.96 | 24.20 | 24.76 | 25.68 | 22.31          | 22.85 | 23.09 | 23.65 | 24.57 |
|                 | 6H   | 24.08            | 24.53 | 24.89 | 25.34 | 26.28 | 22.89          | 23.34 | 23.70 | 24.15 | 25.09 |
|                 | 8H   | 24.40            | 24.79 | 25.20 | 25.59 | 26.59 | 23.19          | 23.58 | 24.00 | 24.39 | 25.38 |