

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: P1439542

Luminaire Tested: CB3-D-055U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439542  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-D-055U-055D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

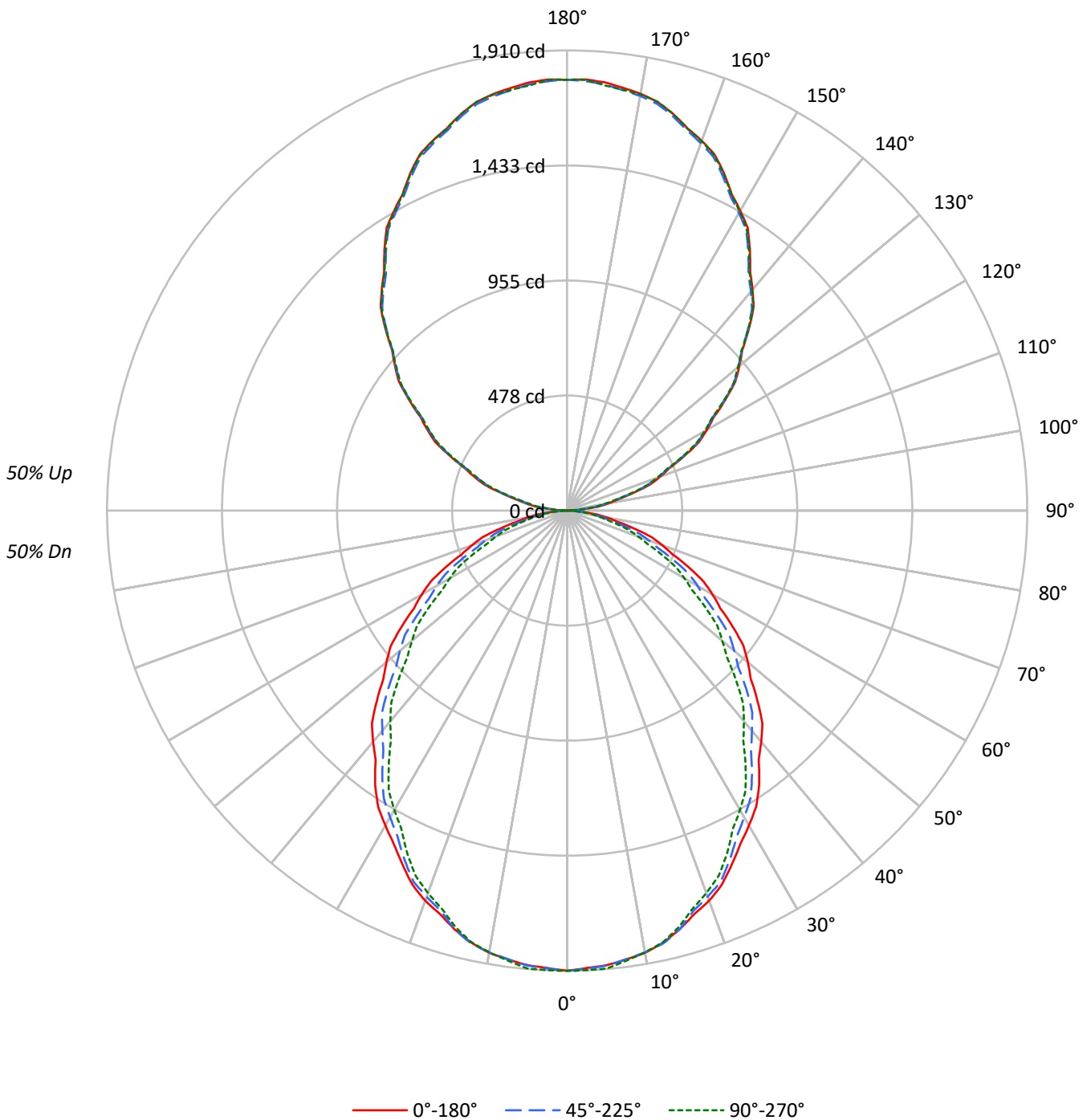
Lumens per Lamp: N/A  
Luminaire Lumens: 9180.6 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 69.2  
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   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |    |    |    |    | 50 |   |  |   |
| 1   | 98  | 94  | 90  | 86  | 90 | 87 | 83 | 80 | 73 | 71 | 69 | 61 | 59 | 58 | 50 | 49 | 48 | 42 |    |    |    |    | 42 |   |  |   |
| 2   | 89  | 82  | 76  | 71  | 82 | 76 | 71 | 66 | 64 | 61 | 57 | 54 | 51 | 49 | 44 | 42 | 40 | 36 |    |    |    |    | 36 |   |  |   |
| 3   | 82  | 72  | 65  | 59  | 75 | 67 | 61 | 56 | 57 | 52 | 48 | 48 | 44 | 41 | 39 | 37 | 35 | 30 |    |    |    |    | 30 |   |  |   |
| 4   | 75  | 64  | 56  | 50  | 69 | 59 | 53 | 47 | 51 | 45 | 41 | 43 | 39 | 36 | 35 | 32 | 30 | 26 |    |    |    |    | 26 |   |  |   |
| 5   | 69  | 57  | 49  | 43  | 63 | 53 | 46 | 41 | 45 | 40 | 36 | 38 | 34 | 31 | 32 | 29 | 26 | 23 |    |    |    |    | 23 |   |  |   |
| 6   | 63  | 51  | 43  | 37  | 58 | 48 | 41 | 35 | 41 | 35 | 31 | 35 | 30 | 27 | 29 | 26 | 23 | 20 |    |    |    |    | 20 |   |  |   |
| 7   | 59  | 46  | 38  | 33  | 54 | 43 | 36 | 31 | 37 | 32 | 28 | 32 | 27 | 24 | 26 | 23 | 21 | 18 |    |    |    |    | 18 |   |  |   |
| 8   | 54  | 42  | 34  | 29  | 50 | 39 | 32 | 28 | 34 | 28 | 25 | 29 | 25 | 21 | 24 | 21 | 19 | 16 |    |    |    |    | 16 |   |  |   |
| 9   | 51  | 38  | 31  | 26  | 47 | 36 | 29 | 25 | 31 | 26 | 22 | 27 | 22 | 19 | 22 | 19 | 17 | 15 |    |    |    |    | 15 |   |  |   |
| 10  | 47  | 35  | 28  | 23  | 44 | 33 | 27 | 22 | 29 | 23 | 20 | 25 | 20 | 18 | 21 | 18 | 15 | 13 |    |    |    |    | 13 |   |  |   |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 10807 | 10807 | 10807 |
| 5°  | 10756 | 10764 | 10833 |
| 10° | 10709 | 10693 | 10693 |
| 15° | 10545 | 10545 | 10481 |
| 20° | 10374 | 10268 | 10170 |
| 25° | 10105 | 9977  | 9800  |
| 30° | 9857  | 9601  | 9370  |
| 35° | 9598  | 9241  | 8914  |
| 40° | 9251  | 8811  | 8431  |
| 45° | 8938  | 8428  | 7908  |
| 50° | 8615  | 7971  | 7398  |
| 55° | 8264  | 7529  | 6913  |
| 60° | 7885  | 7072  | 6366  |
| 65° | 7441  | 6551  | 5790  |
| 70° | 6929  | 5943  | 5157  |
| 75° | 6282  | 5215  | 4592  |
| 80° | 5477  | 4372  | 4063  |
| 85° | 4226  | 3693  | 3693  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8938 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 180.2  | 2.0       |
| 10°-20°   | 506.4  | 5.5       |
| 20°-30°   | 735.3  | 8.0       |
| 30°-40°   | 835.8  | 9.1       |
| 40°-50°   | 811.4  | 8.8       |
| 50°-60°   | 685.1  | 7.5       |
| 60°-70°   | 487.4  | 5.3       |
| 70°-80°   | 260.4  | 2.8       |
| 80°-90°   | 68.8   | 0.7       |
| 90°-100°  | 75.6   | 0.8       |
| 100°-110° | 295.7  | 3.2       |
| 110°-120° | 527.0  | 5.7       |
| 120°-130° | 713.2  | 7.8       |
| 130°-140° | 820.0  | 8.9       |
| 140°-150° | 822.8  | 9.0       |
| 150°-160° | 707.6  | 7.7       |
| 160°-170° | 479.0  | 5.2       |
| 170°-180° | 168.9  | 1.8       |
| 0°-30°    | 1422.0 | 15.5      |
| 0°-40°    | 2257.8 | 24.6      |
| 0°-60°    | 3754.3 | 40.9      |
| 0°-90°    | 4570.9 | 49.8      |
| 90°-120°  | 898.3  | 9.8       |
| 90°-150°  | 3254.3 | 35.4      |
| 90°-180°  | 4610.0 | 50.2      |
| 0°-180°   | 9180.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1910 | 1910  | 1910 | 1910  | 1910 |      |
| 5°   | 1894 | 1918  | 1895 | 1893  | 1908 | 180  |
| 15°  | 1800 | 1816  | 1800 | 1790  | 1790 | 507  |
| 25°  | 1619 | 1624  | 1598 | 1577  | 1570 | 746  |
| 35°  | 1390 | 1376  | 1338 | 1299  | 1291 | 866  |
| 45°  | 1117 | 1100  | 1053 | 1003  | 988  | 862  |
| 55°  | 838  | 815   | 763  | 714   | 701  | 749  |
| 65°  | 556  | 536   | 489  | 446   | 432  | 551  |
| 75°  | 287  | 272   | 239  | 214   | 210  | 306  |
| 85°  | 65   | 60    | 57   | 57    | 57   | 77   |
| 90°  | 0    | 0     | 0    | 0     | 0    | 5    |
| 95°  | 73   | 66    | 59   | 55    | 56   | 83   |
| 105° | 287  | 285   | 276  | 272   | 269  | 306  |
| 115° | 538  | 540   | 528  | 527   | 525  | 533  |
| 125° | 801  | 810   | 794  | 791   | 793  | 716  |
| 135° | 1067 | 1078  | 1060 | 1052  | 1063 | 823  |
| 145° | 1322 | 1333  | 1311 | 1304  | 1317 | 826  |
| 155° | 1543 | 1556  | 1530 | 1524  | 1540 | 710  |
| 165° | 1703 | 1718  | 1695 | 1686  | 1703 | 480  |
| 175° | 1784 | 1800  | 1776 | 1765  | 1772 | 169  |
| 180° | 1788 | 1788  | 1788 | 1788  | 1788 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1910.3 | 1910.3 | 1910.3 | 1910.3 | 1910.3 |
| 2.5°   | 1900.5 | 1919.6 | 1902.7 | 1905.0 | 1909.2 |
| 5°     | 1894.0 | 1917.9 | 1895.4 | 1893.0 | 1907.6 |
| 7.5°   | 1879.4 | 1901.1 | 1877.8 | 1872.3 | 1884.3 |
| 10°    | 1864.2 | 1888.1 | 1861.5 | 1854.9 | 1861.5 |
| 12.5°  | 1837.1 | 1862.0 | 1840.9 | 1829.9 | 1835.5 |
| 15°    | 1800.5 | 1816.4 | 1800.5 | 1789.6 | 1789.6 |
| 17.5°  | 1755.7 | 1772.4 | 1742.4 | 1734.8 | 1731.6 |
| 20°    | 1723.2 | 1737.8 | 1705.6 | 1694.6 | 1689.3 |
| 22.5°  | 1679.8 | 1693.3 | 1666.5 | 1646.9 | 1641.6 |
| 25°    | 1618.8 | 1624.1 | 1598.4 | 1576.6 | 1570.0 |
| 27.5°  | 1558.9 | 1560.2 | 1525.0 | 1498.5 | 1489.7 |
| 30°    | 1509.0 | 1510.3 | 1469.7 | 1441.0 | 1434.4 |
| 32.5°  | 1459.1 | 1455.1 | 1416.5 | 1382.5 | 1378.0 |
| 35°    | 1389.7 | 1376.4 | 1338.1 | 1298.6 | 1290.7 |
| 37.5°  | 1305.9 | 1297.9 | 1252.7 | 1213.1 | 1201.2 |
| 40°    | 1252.7 | 1239.5 | 1193.1 | 1153.5 | 1141.6 |
| 42.5°  | 1199.6 | 1184.2 | 1136.7 | 1092.7 | 1079.7 |
| 45°    | 1117.2 | 1099.9 | 1053.4 | 1002.9 | 988.4  |
| 47.5°  | 1034.2 | 1015.4 | 964.2  | 915.3  | 899.1  |
| 50°    | 978.9  | 959.0  | 905.7  | 857.8  | 840.6  |
| 52.5°  | 922.5  | 901.5  | 848.2  | 799.3  | 785.3  |
| 55°    | 837.9  | 815.3  | 763.3  | 714.2  | 700.9  |
| 57.5°  | 753.3  | 731.0  | 679.2  | 632.8  | 616.9  |
| 60°    | 696.9  | 675.7  | 625.0  | 578.6  | 562.6  |
| 62.5°  | 639.4  | 619.2  | 569.7  | 524.3  | 509.5  |
| 65°    | 555.9  | 536.0  | 489.4  | 445.7  | 432.5  |
| 67.5°  | 473.2  | 456.2  | 410.3  | 370.2  | 359.5  |
| 70°    | 418.9  | 403.0  | 359.3  | 322.4  | 311.8  |
| 72.5°  | 366.9  | 349.9  | 308.3  | 276.9  | 269.5  |
| 75°    | 287.4  | 271.5  | 238.6  | 214.1  | 210.1  |
| 77.5°  | 214.8  | 201.8  | 173.3  | 159.4  | 157.3  |
| 80°    | 168.1  | 156.2  | 134.2  | 124.7  | 124.7  |
| 82.5°  | 124.7  | 114.9  | 100.6  | 96.5   | 96.5   |
| 85°    | 65.1   | 59.8   | 56.9   | 56.9   | 56.9   |
| 87.5°  | 19.5   | 19.5   | 18.4   | 17.4   | 17.4   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 19.7   | 17.6   | 11.0   | 8.8    | 8.8    |
| 95°    | 72.7   | 66.0   | 59.0   | 54.9   | 56.2   |
| 97.5°  | 134.1  | 127.7  | 119.0  | 115.0  | 116.0  |
| 100°   | 176.9  | 171.6  | 161.8  | 157.7  | 157.7  |
| 102.5° | 218.6  | 215.4  | 205.7  | 201.6  | 202.7  |
| 105°   | 286.6  | 285.3  | 275.7  | 271.5  | 268.8  |
| 107.5° | 361.8  | 359.4  | 348.6  | 348.3  | 345.9  |
| 110°   | 410.1  | 408.7  | 399.1  | 397.7  | 396.3  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 459.4  | 461.3  | 450.7  | 449.3  | 447.9  |
| 115°   | 537.6  | 540.3  | 528.0  | 526.6  | 525.3  |
| 117.5° | 617.7  | 621.5  | 608.4  | 606.9  | 604.5  |
| 120°   | 669.3  | 677.3  | 661.0  | 659.6  | 658.3  |
| 122.5° | 721.9  | 728.9  | 713.7  | 711.2  | 711.0  |
| 125°   | 800.9  | 810.3  | 794.1  | 791.4  | 792.7  |
| 127.5° | 879.9  | 889.6  | 874.4  | 869.0  | 872.0  |
| 130°   | 932.6  | 943.3  | 927.1  | 921.7  | 925.7  |
| 132.5° | 986.3  | 997.1  | 980.9  | 975.5  | 981.7  |
| 135°   | 1067.0 | 1077.7 | 1060.1 | 1052.1 | 1062.9 |
| 137.5° | 1145.7 | 1155.1 | 1135.8 | 1130.3 | 1141.6 |
| 140°   | 1197.3 | 1206.7 | 1186.3 | 1179.7 | 1193.2 |
| 142.5° | 1247.7 | 1258.2 | 1235.7 | 1229.1 | 1243.6 |
| 145°   | 1322.1 | 1332.8 | 1311.1 | 1304.5 | 1316.6 |
| 147.5° | 1393.4 | 1404.4 | 1382.4 | 1374.7 | 1387.1 |
| 150°   | 1437.3 | 1449.3 | 1426.3 | 1419.7 | 1433.2 |
| 152.5° | 1480.1 | 1493.2 | 1469.1 | 1461.5 | 1478.1 |
| 155°   | 1542.9 | 1556.3 | 1530.5 | 1524.0 | 1540.1 |
| 157.5° | 1599.4 | 1611.7 | 1588.4 | 1581.9 | 1595.8 |
| 160°   | 1633.4 | 1646.8 | 1622.4 | 1615.9 | 1632.0 |
| 162.5° | 1663.0 | 1676.4 | 1654.2 | 1645.5 | 1661.6 |
| 165°   | 1703.3 | 1718.1 | 1695.1 | 1685.9 | 1703.3 |
| 167.5° | 1737.1 | 1752.9 | 1728.6 | 1720.2 | 1737.6 |
| 170°   | 1756.8 | 1771.6 | 1747.2 | 1736.6 | 1754.1 |
| 172.5° | 1770.0 | 1784.7 | 1760.4 | 1749.7 | 1761.8 |
| 175°   | 1784.2 | 1800.3 | 1776.0 | 1765.2 | 1771.9 |
| 177.5° | 1790.6 | 1803.4 | 1784.0 | 1774.4 | 1789.5 |
| 180°   | 1788.4 | 1788.4 | 1788.4 | 1788.4 | 1788.4 |



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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 | 15.40            | 16.24 | 16.36 | 17.22 | 18.49 | 14.32          | 15.17 | 15.28 | 16.14 | 17.42 |
|                 | 3H   | 17.06            | 17.82 | 18.03 | 18.81 | 20.10 | 15.73          | 16.49 | 16.70 | 17.47 | 18.77 |
|                 | 4H   | 17.69            | 18.41 | 18.68 | 19.40 | 20.70 | 16.25          | 16.97 | 17.23 | 17.95 | 19.26 |
|                 | 6H   | 18.08            | 18.74 | 19.07 | 19.73 | 21.05 | 16.56          | 17.23 | 17.56 | 18.22 | 19.54 |
|                 | 8H   | 18.21            | 18.84 | 19.22 | 19.85 | 21.17 | 16.69          | 17.32 | 17.69 | 18.33 | 19.64 |
|                 | 12H  | 18.28            | 18.88 | 19.29 | 19.88 | 21.22 | 16.76          | 17.36 | 17.77 | 18.36 | 19.70 |
| 4H              | 2H   | 15.80            | 16.52 | 16.79 | 17.51 | 18.82 | 14.94          | 15.66 | 15.94 | 16.65 | 17.96 |
|                 | 3H   | 17.69            | 18.29 | 18.69 | 19.31 | 20.63 | 16.56          | 17.16 | 17.56 | 18.18 | 19.50 |
|                 | 4H   | 18.44            | 18.99 | 19.45 | 20.00 | 21.34 | 17.17          | 17.72 | 18.18 | 18.72 | 20.07 |
|                 | 6H   | 18.94            | 19.41 | 19.96 | 20.45 | 21.79 | 17.58          | 18.05 | 18.60 | 19.08 | 20.42 |
|                 | 8H   | 19.13            | 19.57 | 20.15 | 20.60 | 21.95 | 17.75          | 18.19 | 18.77 | 19.21 | 20.57 |
|                 | 12H  | 19.23            | 19.63 | 20.27 | 20.67 | 22.03 | 17.85          | 18.25 | 18.89 | 19.29 | 20.65 |
| 8H              | 4H   | 18.57            | 19.01 | 19.59 | 20.03 | 21.39 | 17.43          | 17.87 | 18.45 | 18.89 | 20.25 |
|                 | 6H   | 19.19            | 19.55 | 20.23 | 20.62 | 21.97 | 17.96          | 18.32 | 19.00 | 19.39 | 20.74 |
|                 | 8H   | 19.46            | 19.78 | 20.52 | 20.83 | 22.21 | 18.21          | 18.53 | 19.26 | 19.58 | 20.95 |
|                 | 12H  | 19.63            | 19.91 | 20.68 | 20.95 | 22.37 | 18.38          | 18.67 | 19.44 | 19.71 | 21.13 |
| 12H             | 4H   | 18.54            | 18.94 | 19.58 | 19.98 | 21.34 | 17.43          | 17.83 | 18.47 | 18.87 | 20.23 |
|                 | 6H   | 19.20            | 19.52 | 20.26 | 20.58 | 21.95 | 18.01          | 18.33 | 19.07 | 19.39 | 20.76 |
|                 | 8H   | 19.50            | 19.78 | 20.56 | 20.83 | 22.25 | 18.29          | 18.58 | 19.35 | 19.62 | 21.04 |