

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: P1439487

Luminaire Tested: CB3-B-125U-085D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439487
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-125U-085D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

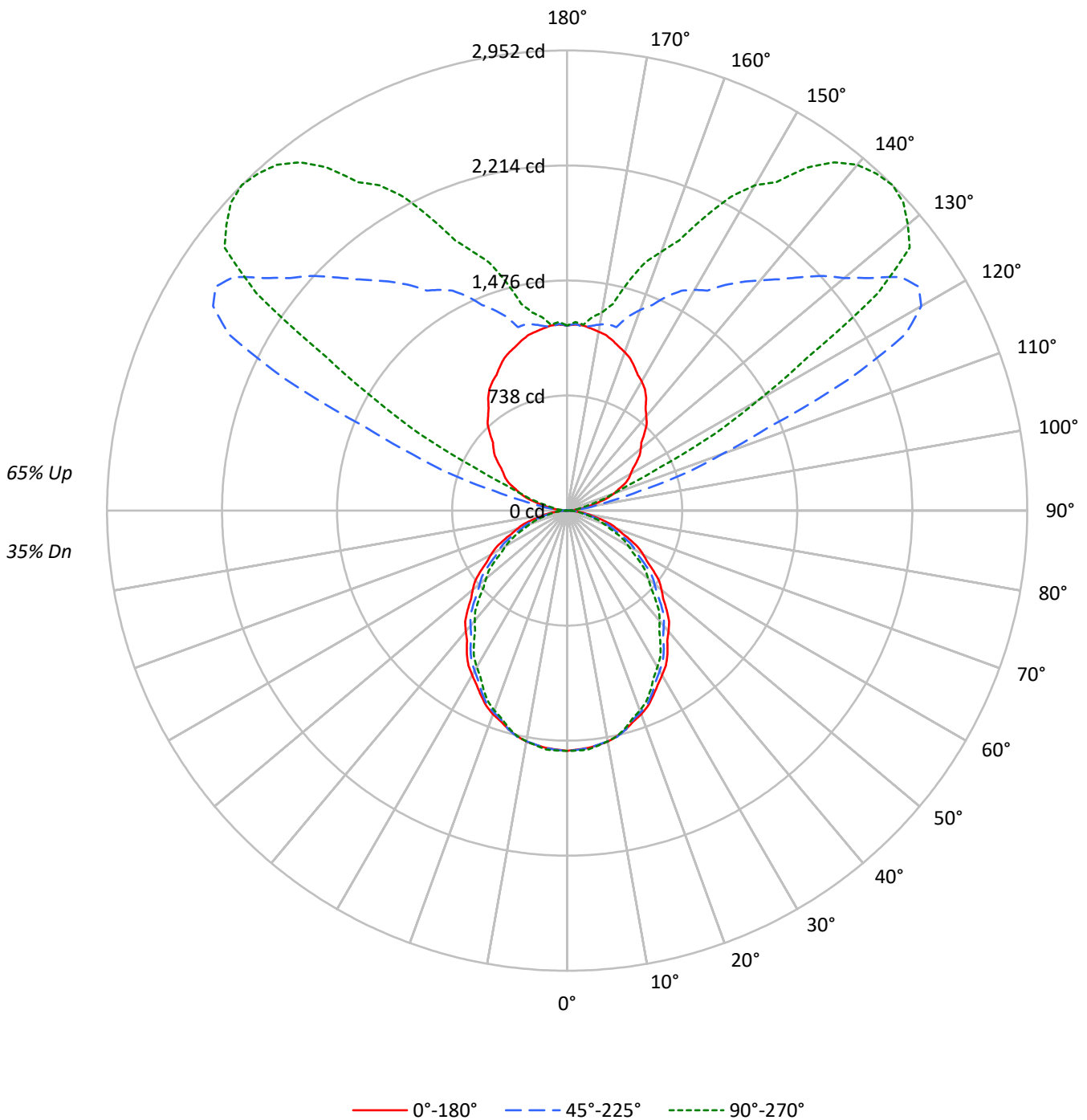
Lumens per Lamp: N/A
Luminaire Lumens: 10668.3 lumens
Efficiency: N/A
Efficacy: 169.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 62.9
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

TEST NUMBER: P1439487

CATALOG NUMBER: CB3-B-125U-085D-940-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439487

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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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 75 | 75 | 75 | 58 | 58 | 58 | 42 | 42 | 42 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 94 | 90 | 87 | 83 | 85 | 82 | 79 | 76 | 66 | 63 | 62 | 51 | 49 | 48 | 37 | 36 | 36 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 86 | 79 | 73 | 68 | 78 | 72 | 67 | 62 | 58 | 54 | 51 | 45 | 42 | 40 | 33 | 31 | 30 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 79 | 69 | 62 | 57 | 71 | 63 | 57 | 52 | 51 | 47 | 43 | 40 | 37 | 34 | 29 | 27 | 26 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 72 | 61 | 54 | 48 | 65 | 56 | 49 | 44 | 45 | 40 | 37 | 35 | 32 | 29 | 26 | 24 | 22 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 66 | 55 | 47 | 41 | 59 | 50 | 43 | 38 | 40 | 35 | 32 | 32 | 28 | 25 | 24 | 21 | 20 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 61 | 49 | 41 | 36 | 55 | 45 | 38 | 33 | 36 | 31 | 28 | 29 | 25 | 22 | 21 | 19 | 17 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 56 | 44 | 36 | 31 | 51 | 40 | 34 | 29 | 33 | 28 | 24 | 26 | 22 | 20 | 20 | 17 | 15 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 52 | 40 | 33 | 27 | 47 | 37 | 30 | 25 | 30 | 25 | 21 | 24 | 20 | 18 | 18 | 16 | 14 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 48 | 36 | 29 | 24 | 44 | 33 | 27 | 23 | 27 | 23 | 19 | 22 | 18 | 16 | 17 | 14 | 12 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 45 | 33 | 26 | 22 | 41 | 31 | 24 | 20 | 25 | 20 | 17 | 20 | 17 | 14 | 15 | 13 | 11 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 17445 | 17445 | 17445 |
| 5° | 17363 | 17375 | 17475 |
| 10° | 17287 | 17261 | 17261 |
| 15° | 17021 | 17021 | 16919 |
| 20° | 16745 | 16574 | 16428 |
| 25° | 16323 | 16118 | 15831 |
| 30° | 15924 | 15508 | 15137 |
| 35° | 15503 | 14929 | 14400 |
| 40° | 14944 | 14234 | 13618 |
| 45° | 14438 | 13615 | 12774 |
| 50° | 13916 | 12876 | 11950 |
| 55° | 13349 | 12161 | 11167 |
| 60° | 12738 | 11423 | 10283 |
| 65° | 12021 | 10583 | 9352 |
| 70° | 11195 | 9600 | 8333 |
| 75° | 10151 | 8424 | 7419 |
| 80° | 8848 | 7063 | 6561 |
| 85° | 6829 | 5972 | 5972 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14438 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 145.5 | 1.4 |
| 10°-20° | 408.7 | 3.8 |
| 20°-30° | 593.8 | 5.6 |
| 30°-40° | 675.1 | 6.3 |
| 40°-50° | 655.4 | 6.1 |
| 50°-60° | 553.3 | 5.2 |
| 60°-70° | 393.7 | 3.7 |
| 70°-80° | 210.3 | 2.0 |
| 80°-90° | 55.6 | 0.5 |
| 90°-100° | 80.2 | 0.8 |
| 100°-110° | 420.4 | 3.9 |
| 110°-120° | 1058.2 | 9.9 |
| 120°-130° | 1632.4 | 15.3 |
| 130°-140° | 1494.4 | 14.0 |
| 140°-150° | 1102.9 | 10.3 |
| 150°-160° | 703.1 | 6.6 |
| 160°-170° | 370.1 | 3.5 |
| 170°-180° | 115.2 | 1.1 |
| 0°-30° | 1148.0 | 10.8 |
| 0°-40° | 1823.1 | 17.1 |
| 0°-60° | 3031.8 | 28.4 |
| 0°-90° | 3691.4 | 34.6 |
| 90°-120° | 1558.7 | 14.6 |
| 90°-150° | 5788.5 | 54.3 |
| 90°-180° | 6977.0 | 65.4 |
| 0°-180° | 10668.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1542 | 1542 | 1542 | 1542 | 1542 | |
| 5° | 1529 | 1548 | 1530 | 1528 | 1539 | 145 |
| 15° | 1453 | 1466 | 1453 | 1444 | 1444 | 409 |
| 25° | 1308 | 1312 | 1291 | 1273 | 1268 | 602 |
| 35° | 1122 | 1112 | 1081 | 1049 | 1042 | 699 |
| 45° | 902 | 888 | 851 | 810 | 798 | 696 |
| 55° | 677 | 658 | 616 | 577 | 566 | 605 |
| 65° | 449 | 433 | 395 | 360 | 349 | 445 |
| 75° | 232 | 219 | 193 | 173 | 170 | 248 |
| 85° | 53 | 48 | 46 | 46 | 46 | 62 |
| 90° | 0 | 0 | 0 | 0 | 0 | 4 |
| 95° | 42 | 118 | 47 | 26 | 26 | 53 |
| 105° | 214 | 664 | 481 | 198 | 162 | 229 |
| 115° | 408 | 832 | 1996 | 868 | 658 | 397 |
| 125° | 544 | 840 | 2613 | 2634 | 2435 | 486 |
| 135° | 700 | 935 | 2116 | 2886 | 2952 | 541 |
| 145° | 883 | 1021 | 1766 | 2456 | 2686 | 549 |
| 155° | 1019 | 1096 | 1515 | 1875 | 2069 | 470 |
| 165° | 1129 | 1159 | 1218 | 1424 | 1521 | 318 |
| 175° | 1191 | 1217 | 1181 | 1186 | 1197 | 113 |
| 180° | 1186 | 1186 | 1186 | 1186 | 1186 | |

TEST NUMBER: P1439487

CATALOG NUMBER: CB3-B-125U-085D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1541.8 | 1541.8 | 1541.8 | 1541.8 | 1541.8 |
| 2.5° | 1534.0 | 1549.4 | 1535.7 | 1537.5 | 1541.0 |
| 5° | 1528.7 | 1548.0 | 1529.8 | 1527.9 | 1538.6 |
| 7.5° | 1516.9 | 1534.4 | 1515.6 | 1511.2 | 1520.8 |
| 10° | 1504.6 | 1523.9 | 1502.4 | 1497.1 | 1502.4 |
| 12.5° | 1482.7 | 1502.8 | 1485.8 | 1476.9 | 1481.4 |
| 15° | 1453.1 | 1466.0 | 1453.1 | 1444.4 | 1444.4 |
| 17.5° | 1417.0 | 1430.5 | 1406.3 | 1400.1 | 1397.7 |
| 20° | 1390.7 | 1402.5 | 1376.5 | 1367.7 | 1364.4 |
| 22.5° | 1355.7 | 1366.6 | 1345.0 | 1330.0 | 1325.9 |
| 25° | 1307.5 | 1311.8 | 1291.1 | 1273.4 | 1268.1 |
| 27.5° | 1259.1 | 1260.2 | 1231.7 | 1210.3 | 1203.3 |
| 30° | 1218.8 | 1219.9 | 1187.0 | 1163.9 | 1158.6 |
| 32.5° | 1178.5 | 1175.3 | 1144.1 | 1116.7 | 1113.0 |
| 35° | 1122.4 | 1111.7 | 1080.8 | 1048.9 | 1042.5 |
| 37.5° | 1054.8 | 1048.3 | 1011.8 | 979.9 | 970.2 |
| 40° | 1011.8 | 1001.1 | 963.7 | 931.7 | 922.0 |
| 42.5° | 968.9 | 956.5 | 918.1 | 882.6 | 872.1 |
| 45° | 902.3 | 888.4 | 850.9 | 810.1 | 798.3 |
| 47.5° | 835.3 | 820.1 | 778.8 | 739.3 | 726.2 |
| 50° | 790.6 | 774.6 | 731.5 | 692.9 | 678.9 |
| 52.5° | 745.1 | 728.2 | 685.1 | 645.6 | 634.3 |
| 55° | 676.7 | 658.5 | 616.5 | 576.9 | 566.1 |
| 57.5° | 608.4 | 590.4 | 548.6 | 511.1 | 498.3 |
| 60° | 562.9 | 545.7 | 504.8 | 467.3 | 454.4 |
| 62.5° | 516.4 | 500.2 | 460.1 | 423.5 | 411.5 |
| 65° | 449.0 | 432.9 | 395.3 | 360.0 | 349.3 |
| 67.5° | 382.2 | 368.5 | 331.4 | 299.0 | 290.4 |
| 70° | 338.4 | 325.5 | 290.2 | 260.4 | 251.9 |
| 72.5° | 296.3 | 282.6 | 249.0 | 223.7 | 217.7 |
| 75° | 232.2 | 219.3 | 192.7 | 172.9 | 169.7 |
| 77.5° | 173.5 | 163.0 | 139.9 | 128.7 | 127.0 |
| 80° | 135.8 | 126.2 | 108.4 | 100.7 | 100.7 |
| 82.5° | 100.7 | 92.8 | 81.3 | 78.0 | 78.0 |
| 85° | 52.6 | 48.3 | 46.0 | 46.0 | 46.0 |
| 87.5° | 15.8 | 15.8 | 14.9 | 14.0 | 14.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 12.5 | 28.9 | 8.4 | 4.3 | 8.4 |
| 95° | 41.8 | 118.4 | 47.0 | 26.1 | 26.1 |
| 97.5° | 86.7 | 264.6 | 121.2 | 64.7 | 58.5 |
| 100° | 120.2 | 375.7 | 188.1 | 93.8 | 83.6 |
| 102.5° | 157.8 | 486.9 | 284.3 | 127.1 | 108.7 |
| 105° | 214.2 | 663.9 | 480.7 | 197.8 | 162.0 |
| 107.5° | 277.0 | 784.8 | 792.2 | 304.9 | 245.6 |
| 110° | 318.8 | 834.8 | 1055.6 | 400.3 | 308.3 |



TEST NUMBER: P1439487

CATALOG NUMBER: CB3-B-125U-085D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 356.4 | 847.9 | 1406.7 | 545.8 | 421.2 |
| 115° | 407.6 | 831.7 | 1996.2 | 867.9 | 658.4 |
| 117.5° | 445.2 | 791.6 | 2443.5 | 1380.7 | 1065.0 |
| 120° | 470.3 | 792.2 | 2623.2 | 1768.7 | 1416.1 |
| 122.5° | 499.6 | 796.9 | 2673.4 | 2153.9 | 1830.0 |
| 125° | 543.5 | 839.8 | 2612.8 | 2634.4 | 2435.1 |
| 127.5° | 587.3 | 871.4 | 2449.7 | 2831.9 | 2769.5 |
| 130° | 616.6 | 892.5 | 2320.1 | 2899.1 | 2853.1 |
| 132.5° | 645.9 | 913.6 | 2228.2 | 2900.7 | 2924.2 |
| 135° | 700.2 | 935.3 | 2116.3 | 2886.0 | 2952.4 |
| 137.5° | 755.6 | 962.0 | 2011.8 | 2794.6 | 2932.6 |
| 140° | 789.1 | 983.2 | 1928.2 | 2695.7 | 2894.9 |
| 142.5° | 826.7 | 1000.4 | 1848.8 | 2604.0 | 2815.5 |
| 145° | 883.1 | 1021.1 | 1766.2 | 2456.0 | 2685.9 |
| 147.5° | 927.0 | 1032.3 | 1673.2 | 2306.7 | 2496.8 |
| 150° | 956.3 | 1032.9 | 1635.6 | 2173.9 | 2409.0 |
| 152.5° | 981.4 | 1053.9 | 1589.6 | 2052.2 | 2266.8 |
| 155° | 1019.0 | 1095.6 | 1515.4 | 1875.2 | 2069.3 |
| 157.5° | 1056.6 | 1130.2 | 1427.6 | 1743.1 | 1874.9 |
| 160° | 1081.7 | 1143.0 | 1369.1 | 1679.4 | 1766.2 |
| 162.5° | 1102.6 | 1155.7 | 1306.4 | 1571.0 | 1670.1 |
| 165° | 1128.7 | 1159.4 | 1217.5 | 1423.6 | 1520.6 |
| 167.5° | 1152.8 | 1168.1 | 1224.9 | 1278.9 | 1357.6 |
| 170° | 1165.3 | 1180.6 | 1212.3 | 1265.2 | 1290.7 |
| 172.5° | 1177.8 | 1201.3 | 1195.6 | 1231.6 | 1253.1 |
| 175° | 1191.4 | 1217.0 | 1181.0 | 1186.4 | 1196.6 |
| 177.5° | 1194.6 | 1206.8 | 1198.7 | 1199.0 | 1211.3 |
| 180° | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 |



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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 | 15.46 | 16.19 | 16.54 | 17.27 | 18.74 | 14.38 | 15.11 | 15.46 | 16.19 | 17.67 |
| | 3H | 17.11 | 17.77 | 18.20 | 18.86 | 20.35 | 15.78 | 16.44 | 16.87 | 17.53 | 19.02 |
| | 4H | 17.74 | 18.36 | 18.84 | 19.45 | 20.95 | 16.29 | 16.92 | 17.40 | 18.00 | 19.50 |
| | 6H | 18.12 | 18.69 | 19.23 | 19.78 | 21.29 | 16.61 | 17.18 | 17.71 | 18.27 | 19.78 |
| | 8H | 18.25 | 18.79 | 19.36 | 19.90 | 21.41 | 16.72 | 17.27 | 17.84 | 18.38 | 19.88 |
| | 12H | 18.31 | 18.83 | 19.43 | 19.93 | 21.46 | 16.80 | 17.31 | 17.91 | 18.41 | 19.94 |
| 4H | 2H | 15.85 | 16.47 | 16.96 | 17.56 | 19.06 | 14.99 | 15.61 | 16.10 | 16.70 | 18.20 |
| | 3H | 17.73 | 18.24 | 18.84 | 19.36 | 20.87 | 16.60 | 17.12 | 17.71 | 18.23 | 19.74 |
| | 4H | 18.47 | 18.95 | 19.59 | 20.05 | 21.59 | 17.20 | 17.67 | 18.32 | 18.78 | 20.31 |
| | 6H | 18.97 | 19.37 | 20.09 | 20.50 | 22.03 | 17.60 | 18.01 | 18.73 | 19.14 | 20.67 |
| | 8H | 19.15 | 19.53 | 20.28 | 20.66 | 22.20 | 17.77 | 18.15 | 18.90 | 19.27 | 20.81 |
| | 12H | 19.25 | 19.59 | 20.39 | 20.72 | 22.27 | 17.87 | 18.21 | 19.01 | 19.35 | 20.89 |
| 8H | 4H | 18.59 | 18.97 | 19.71 | 20.09 | 21.63 | 17.45 | 17.83 | 18.58 | 18.95 | 20.49 |
| | 6H | 19.20 | 19.52 | 20.35 | 20.68 | 22.22 | 17.97 | 18.29 | 19.12 | 19.45 | 20.99 |
| | 8H | 19.48 | 19.75 | 20.63 | 20.90 | 22.45 | 18.23 | 18.50 | 19.38 | 19.64 | 21.20 |
| | 12H | 19.64 | 19.88 | 20.79 | 21.02 | 22.61 | 18.40 | 18.64 | 19.55 | 19.78 | 21.37 |
| 12H | 4H | 18.56 | 18.90 | 19.70 | 20.03 | 21.58 | 17.45 | 17.79 | 18.59 | 18.92 | 20.47 |
| | 6H | 19.22 | 19.49 | 20.37 | 20.64 | 22.20 | 18.03 | 18.30 | 19.18 | 19.45 | 21.01 |
| | 8H | 19.51 | 19.75 | 20.67 | 20.89 | 22.49 | 18.31 | 18.55 | 19.46 | 19.69 | 21.28 |