

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: P1438885

Luminaire Tested: CB2-B-055U-030D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438885  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-B-055U-030D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

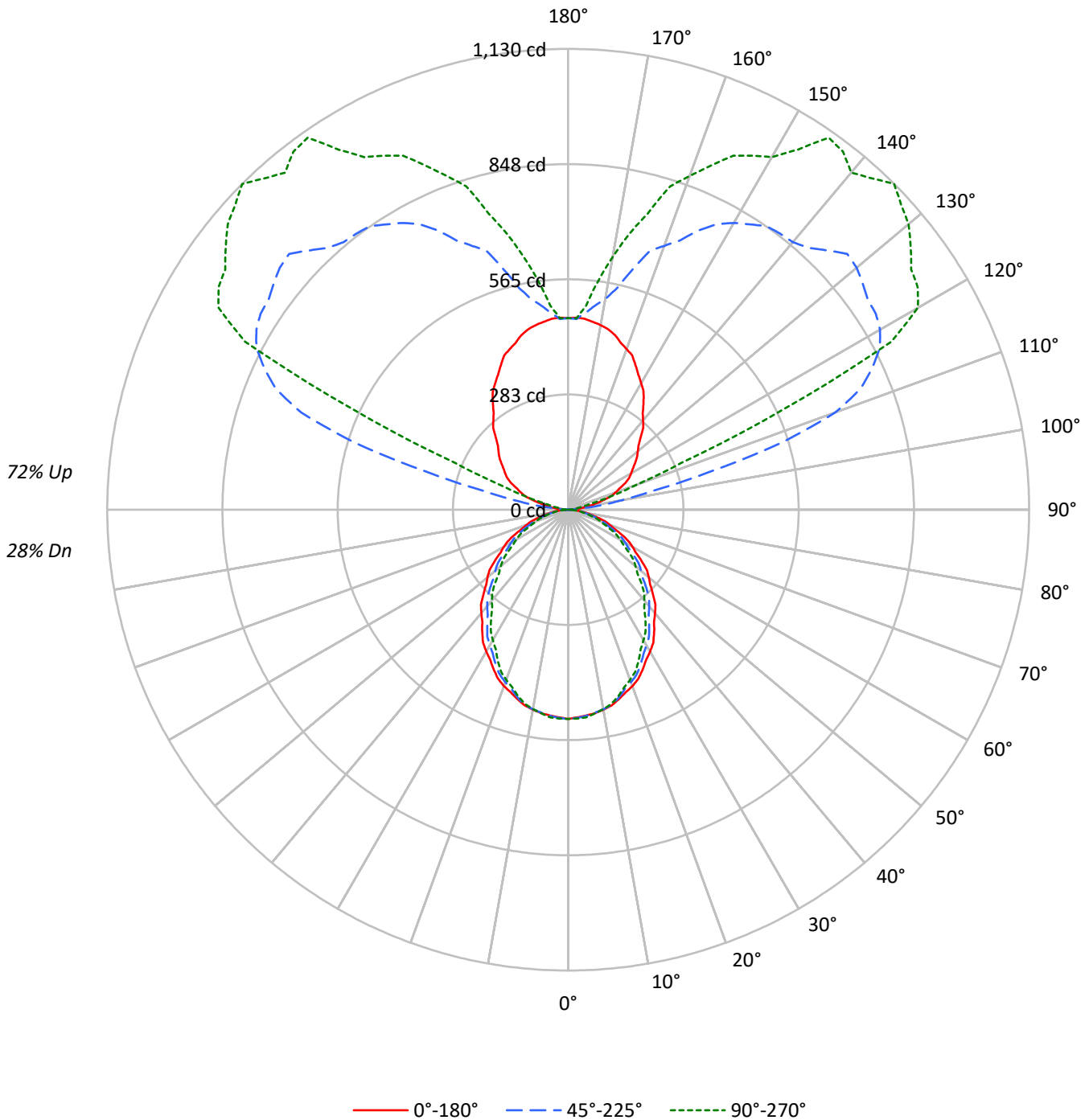
Lumens per Lamp: N/A  
Luminaire Lumens: 4282.5 lumens  
Efficiency: N/A  
Efficacy: 166.6 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 25.7  
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





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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   | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 36 | 36 | 36 | 28 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 1   | 93  | 89  | 85  | 82  | 83 | 80 | 76 | 74 | 62 | 60 | 58 | 46 | 45 | 44 | 32 | 31 | 30 | 24 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 2   | 85  | 78  | 72  | 67  | 76 | 70 | 65 | 61 | 55 | 51 | 48 | 41 | 39 | 37 | 28 | 27 | 26 | 20 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 3   | 77  | 68  | 61  | 56  | 69 | 61 | 55 | 51 | 48 | 44 | 41 | 36 | 33 | 31 | 25 | 23 | 22 | 17 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 4   | 71  | 60  | 53  | 47  | 63 | 54 | 48 | 43 | 43 | 38 | 35 | 32 | 29 | 27 | 22 | 21 | 19 | 15 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 5   | 65  | 54  | 46  | 40  | 58 | 48 | 42 | 37 | 38 | 34 | 30 | 29 | 26 | 23 | 20 | 18 | 17 | 13 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 6   | 60  | 48  | 40  | 35  | 53 | 43 | 37 | 32 | 34 | 30 | 26 | 26 | 23 | 20 | 18 | 16 | 15 | 11 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 7   | 55  | 43  | 36  | 30  | 49 | 39 | 32 | 28 | 31 | 26 | 23 | 24 | 20 | 18 | 17 | 15 | 13 | 10 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 8   | 51  | 39  | 32  | 27  | 45 | 35 | 29 | 24 | 28 | 24 | 20 | 22 | 18 | 16 | 15 | 13 | 12 | 9  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 9   | 47  | 36  | 28  | 24  | 42 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 17 | 14 | 14 | 12 | 11 | 8  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 10  | 44  | 33  | 26  | 21  | 40 | 30 | 23 | 19 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 10 | 8  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 8935 | 8935 | 8935 |
| 5°  | 8859 | 8873 | 8934 |
| 10° | 8809 | 8788 | 8781 |
| 15° | 8670 | 8612 | 8542 |
| 20° | 8534 | 8343 | 8228 |
| 25° | 8304 | 8070 | 7843 |
| 30° | 8073 | 7719 | 7425 |
| 35° | 7810 | 7359 | 7008 |
| 40° | 7528 | 7019 | 6610 |
| 45° | 7247 | 6665 | 6222 |
| 50° | 6994 | 6322 | 5842 |
| 55° | 6681 | 5964 | 5487 |
| 60° | 6322 | 5622 | 5131 |
| 65° | 5943 | 5246 | 4777 |
| 70° | 5520 | 4823 | 4318 |
| 75° | 5020 | 4361 | 3910 |
| 80° | 4494 | 3822 | 3551 |
| 85° | 3457 | 3138 | 2598 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7247 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.2   | 1.1       |
| 10°-20°   | 134.5  | 3.1       |
| 20°-30°   | 193.4  | 4.5       |
| 30°-40°   | 217.3  | 5.1       |
| 40°-50°   | 209.9  | 4.9       |
| 50°-60°   | 177.4  | 4.1       |
| 60°-70°   | 127.4  | 3.0       |
| 70°-80°   | 69.6   | 1.6       |
| 80°-90°   | 18.5   | 0.4       |
| 90°-100°  | 35.2   | 0.8       |
| 100°-110° | 217.9  | 5.1       |
| 110°-120° | 549.6  | 12.8      |
| 120°-130° | 660.7  | 15.4      |
| 130°-140° | 599.0  | 14.0      |
| 140°-150° | 477.7  | 11.2      |
| 150°-160° | 325.8  | 7.6       |
| 160°-170° | 172.3  | 4.0       |
| 170°-180° | 48.0   | 1.1       |
| 0°-30°    | 376.1  | 8.8       |
| 0°-40°    | 593.4  | 13.9      |
| 0°-60°    | 980.7  | 22.9      |
| 0°-90°    | 1196.2 | 27.9      |
| 90°-120°  | 802.7  | 18.7      |
| 90°-150°  | 2540.1 | 59.3      |
| 90°-180°  | 3086.0 | 72.1      |
| 0°-180°   | 4282.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90°  | Flux |
|------|-----|-------|-----|-------|------|------|
| 0°   | 513 | 513   | 513 | 513   | 513  |      |
| 5°   | 507 | 514   | 508 | 508   | 511  | 48   |
| 15°  | 481 | 485   | 478 | 473   | 474  | 136  |
| 25°  | 432 | 432   | 420 | 410   | 408  | 199  |
| 35°  | 367 | 363   | 346 | 333   | 330  | 229  |
| 45°  | 294 | 288   | 271 | 256   | 253  | 227  |
| 55°  | 220 | 212   | 196 | 184   | 181  | 197  |
| 65°  | 144 | 139   | 127 | 118   | 116  | 143  |
| 75°  | 75  | 70    | 65  | 60    | 58   | 80   |
| 85°  | 17  | 16    | 16  | 14    | 13   | 21   |
| 90°  | 0   | 0     | 0   | 0     | 0    | 1    |
| 95°  | 18  | 46    | 14  | 10    | 10   | 23   |
| 105° | 89  | 249   | 360 | 90    | 61   | 94   |
| 115° | 154 | 340   | 822 | 765   | 583  | 151  |
| 125° | 200 | 412   | 897 | 1020  | 1026 | 179  |
| 135° | 251 | 457   | 899 | 1052  | 1130 | 195  |
| 145° | 322 | 480   | 848 | 1022  | 1114 | 201  |
| 155° | 391 | 490   | 755 | 910   | 958  | 180  |
| 165° | 443 | 485   | 609 | 718   | 751  | 124  |
| 175° | 470 | 476   | 484 | 492   | 502  | 44   |
| 180° | 470 | 470   | 470 | 470   | 470  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 0°     | 513.0 | 513.0 | 513.0 | 513.0 | 513.0 |
| 2.5°   | 509.5 | 515.7 | 511.1 | 511.8 | 512.7 |
| 5°     | 506.7 | 513.6 | 507.5 | 507.6 | 511.0 |
| 7.5°   | 503.1 | 509.6 | 501.9 | 500.5 | 503.7 |
| 10°    | 498.1 | 504.6 | 496.9 | 494.2 | 496.5 |
| 12.5°  | 491.5 | 497.7 | 490.3 | 486.0 | 488.0 |
| 15°    | 480.8 | 485.0 | 477.6 | 472.9 | 473.7 |
| 17.5°  | 469.2 | 471.8 | 461.1 | 457.2 | 456.4 |
| 20°    | 460.4 | 462.7 | 450.1 | 444.6 | 443.9 |
| 22.5°  | 449.0 | 451.0 | 437.9 | 431.1 | 430.0 |
| 25°    | 432.1 | 432.5 | 419.9 | 410.4 | 408.1 |
| 27.5°  | 414.3 | 413.1 | 399.2 | 387.9 | 384.9 |
| 30°    | 401.4 | 399.9 | 383.8 | 371.9 | 369.2 |
| 32.5°  | 387.6 | 384.8 | 368.7 | 355.9 | 353.2 |
| 35°    | 367.3 | 363.0 | 346.1 | 332.6 | 329.6 |
| 37.5°  | 345.6 | 340.8 | 324.1 | 309.5 | 306.1 |
| 40°    | 331.1 | 325.8 | 308.7 | 294.1 | 290.7 |
| 42.5°  | 316.7 | 310.7 | 293.3 | 278.7 | 275.0 |
| 45°    | 294.2 | 288.1 | 270.6 | 256.4 | 252.6 |
| 47.5°  | 272.8 | 265.0 | 248.1 | 233.9 | 230.1 |
| 50°    | 258.1 | 249.6 | 233.3 | 219.5 | 215.6 |
| 52.5°  | 243.0 | 234.2 | 218.6 | 205.3 | 201.5 |
| 55°    | 220.0 | 211.9 | 196.4 | 184.1 | 180.7 |
| 57.5°  | 197.2 | 189.4 | 175.3 | 163.6 | 160.2 |
| 60°    | 181.5 | 174.9 | 161.4 | 150.4 | 147.3 |
| 62.5°  | 166.4 | 160.5 | 147.6 | 137.5 | 134.4 |
| 65°    | 144.2 | 138.8 | 127.3 | 118.2 | 115.9 |
| 67.5°  | 122.6 | 117.2 | 107.9 | 99.7  | 97.1  |
| 70°    | 108.4 | 103.0 | 94.7  | 87.1  | 84.8  |
| 72.5°  | 94.9  | 89.2  | 82.4  | 75.5  | 73.8  |
| 75°    | 74.6  | 70.0  | 64.8  | 59.7  | 58.1  |
| 77.5°  | 56.7  | 52.3  | 48.5  | 44.8  | 44.5  |
| 80°    | 44.8  | 40.9  | 38.1  | 35.7  | 35.4  |
| 82.5°  | 33.5  | 30.5  | 28.7  | 26.9  | 26.9  |
| 85°    | 17.3  | 16.1  | 15.7  | 13.7  | 13.0  |
| 87.5°  | 5.0   | 5.0   | 4.4   | 3.8   | 3.8   |
| 90°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 4.9   | 8.0   | 3.2   | 3.2   | 3.2   |
| 95°    | 18.2  | 45.9  | 14.2  | 10.1  | 10.1  |
| 97.5°  | 38.1  | 110.1 | 76.5  | 20.6  | 17.8  |
| 100°   | 52.6  | 159.5 | 131.6 | 30.2  | 24.3  |
| 102.5° | 67.2  | 202.6 | 207.7 | 47.9  | 37.3  |
| 105°   | 89.1  | 249.4 | 360.4 | 90.4  | 60.7  |
| 107.5° | 110.5 | 280.0 | 552.3 | 186.6 | 112.6 |
| 110°   | 123.5 | 297.7 | 696.4 | 290.9 | 174.1 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5°  | 90°    |
|--------|-------|-------|-------|--------|--------|
| 112.5° | 136.5 | 315.4 | 775.8 | 466.3  | 300.4  |
| 115°   | 153.9 | 339.9 | 822.0 | 765.2  | 583.1  |
| 117.5° | 168.4 | 362.4 | 861.7 | 946.3  | 892.8  |
| 120°   | 178.2 | 380.1 | 882.7 | 972.2  | 990.0  |
| 122.5° | 187.9 | 393.0 | 894.0 | 982.3  | 1015.9 |
| 125°   | 200.4 | 412.2 | 896.9 | 1020.5 | 1026.5 |
| 127.5° | 213.0 | 426.8 | 910.2 | 1055.7 | 1058.4 |
| 130°   | 222.7 | 436.5 | 923.2 | 1067.4 | 1089.2 |
| 132.5° | 234.0 | 444.7 | 928.1 | 1074.2 | 1107.0 |
| 135°   | 251.0 | 456.9 | 898.9 | 1052.5 | 1129.7 |
| 137.5° | 272.5 | 465.7 | 871.0 | 1051.9 | 1101.8 |
| 140°   | 285.5 | 467.6 | 856.4 | 1075.1 | 1079.1 |
| 142.5° | 300.0 | 472.7 | 853.1 | 1072.6 | 1106.6 |
| 145°   | 321.9 | 480.3 | 848.3 | 1022.4 | 1113.5 |
| 147.5° | 343.8 | 485.1 | 829.7 | 967.1  | 1046.7 |
| 150°   | 358.3 | 487.0 | 811.8 | 948.6  | 998.1  |
| 152.5° | 372.9 | 488.9 | 789.2 | 937.1  | 978.7  |
| 155°   | 390.7 | 489.7 | 755.2 | 910.1  | 957.6  |
| 157.5° | 409.4 | 487.4 | 714.3 | 860.8  | 912.7  |
| 160°   | 419.1 | 484.4 | 688.3 | 825.0  | 870.6  |
| 162.5° | 428.8 | 483.0 | 665.7 | 778.2  | 831.7  |
| 165°   | 443.4 | 484.9 | 609.4 | 717.5  | 751.1  |
| 167.5° | 453.1 | 483.2 | 556.8 | 645.3  | 692.8  |
| 170°   | 459.6 | 483.3 | 524.4 | 590.0  | 629.6  |
| 172.5° | 464.4 | 475.5 | 504.9 | 539.5  | 566.5  |
| 175°   | 469.7 | 475.6 | 483.9 | 492.2  | 502.1  |
| 177.5° | 471.3 | 474.5 | 468.1 | 466.5  | 469.7  |
| 180°   | 469.7 | 469.7 | 469.7 | 469.7  | 469.7  |



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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 | 12.10            | 12.79 | 13.23 | 13.91 | 15.46 | 11.00          | 11.69 | 12.13 | 12.81 | 14.36 |
|                 | 3H   | 13.73            | 14.35 | 14.87 | 15.48 | 17.05 | 12.52          | 13.13 | 13.65 | 14.26 | 15.83 |
|                 | 4H   | 14.35            | 14.94 | 15.50 | 16.06 | 17.64 | 13.08          | 13.66 | 14.23 | 14.79 | 16.37 |
|                 | 6H   | 14.75            | 15.28 | 15.90 | 16.41 | 18.00 | 13.44          | 13.98 | 14.60 | 15.11 | 16.70 |
|                 | 8H   | 14.89            | 15.40 | 16.05 | 16.55 | 18.13 | 13.58          | 14.09 | 14.74 | 15.24 | 16.82 |
|                 | 12H  | 14.96            | 15.44 | 16.12 | 16.58 | 18.19 | 13.64          | 14.12 | 14.80 | 15.26 | 16.86 |
| 4H              | 2H   | 12.49            | 13.07 | 13.64 | 14.20 | 15.78 | 11.62          | 12.20 | 12.77 | 13.33 | 14.90 |
|                 | 3H   | 14.34            | 14.83 | 15.50 | 15.98 | 17.57 | 13.33          | 13.82 | 14.49 | 14.97 | 16.56 |
|                 | 4H   | 15.08            | 15.53 | 16.24 | 16.67 | 18.28 | 14.00          | 14.45 | 15.16 | 15.59 | 17.20 |
|                 | 6H   | 15.59            | 15.97 | 16.76 | 17.14 | 18.74 | 14.47          | 14.85 | 15.63 | 16.01 | 17.61 |
|                 | 8H   | 15.79            | 16.15 | 16.96 | 17.31 | 18.92 | 14.65          | 15.01 | 15.82 | 16.17 | 17.78 |
|                 | 12H  | 15.89            | 16.21 | 17.07 | 17.38 | 19.00 | 14.73          | 15.06 | 15.91 | 16.22 | 17.84 |
| 8H              | 4H   | 15.22            | 15.58 | 16.39 | 16.74 | 18.35 | 14.26          | 14.62 | 15.42 | 15.77 | 17.39 |
|                 | 6H   | 15.86            | 16.15 | 17.04 | 17.35 | 18.96 | 14.86          | 15.15 | 16.04 | 16.35 | 17.96 |
|                 | 8H   | 16.15            | 16.40 | 17.34 | 17.58 | 19.21 | 15.13          | 15.39 | 16.32 | 16.56 | 18.20 |
|                 | 12H  | 16.31            | 16.54 | 17.51 | 17.71 | 19.38 | 15.27          | 15.50 | 16.47 | 16.67 | 18.34 |
| 12H             | 4H   | 15.20            | 15.52 | 16.38 | 16.69 | 18.31 | 14.26          | 14.58 | 15.44 | 15.75 | 17.37 |
|                 | 6H   | 15.89            | 16.14 | 17.08 | 17.32 | 18.95 | 14.92          | 15.18 | 16.11 | 16.35 | 17.99 |
|                 | 8H   | 16.19            | 16.42 | 17.39 | 17.59 | 19.26 | 15.22          | 15.44 | 16.41 | 16.62 | 18.28 |