

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: P1438851

Luminaire Tested: CB2-B-030U-030D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438851  
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-030U-030D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

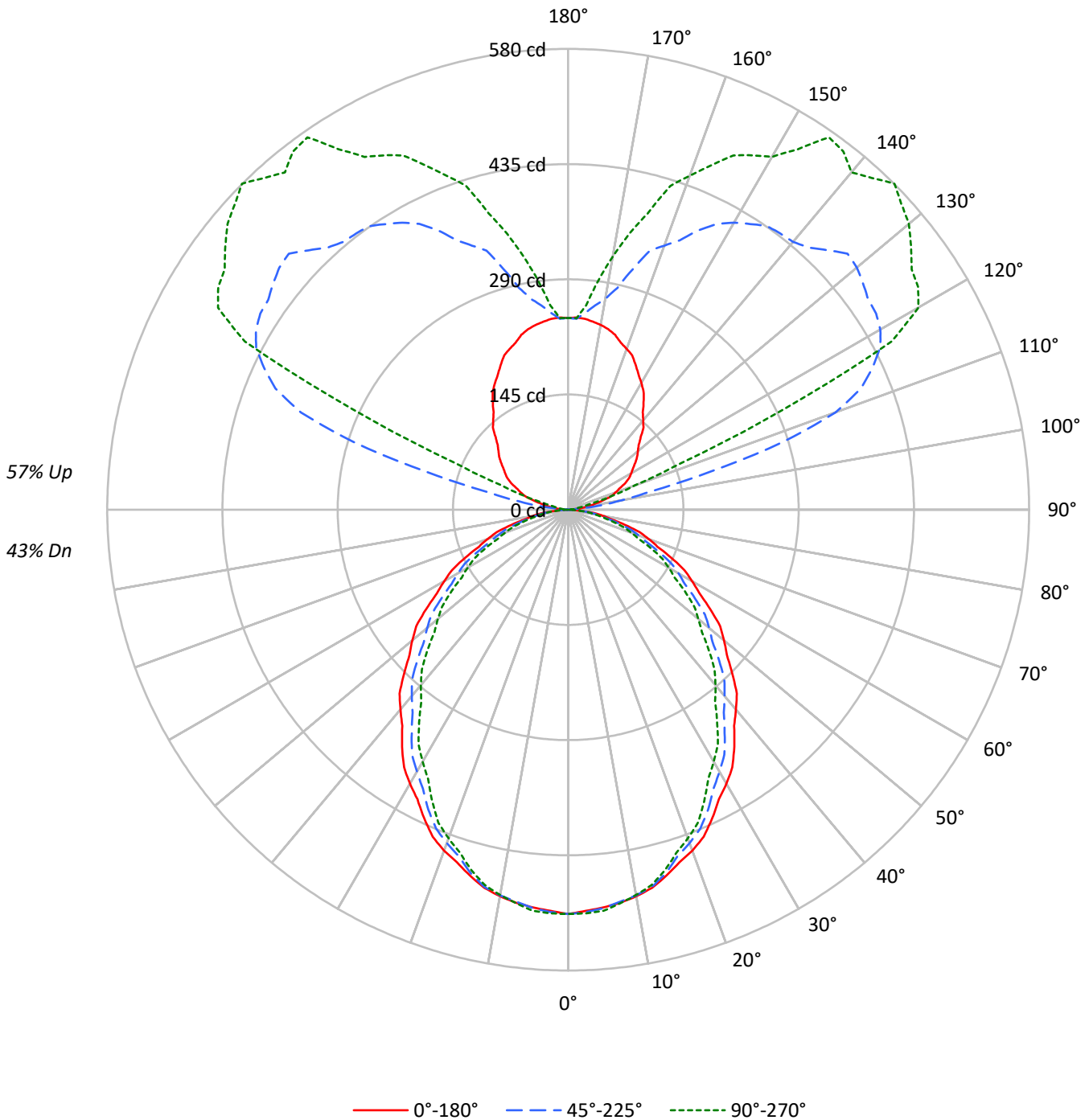
Lumens per Lamp: N/A  
Luminaire Lumens: 2772.1 lumens  
Efficiency: N/A  
Efficacy: 154.9 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 17.9  
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   | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 64 | 64 | 64 | 50 | 50 | 50 | 43 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 1   | 96  | 92  | 88  | 85  | 88 | 84 | 81 | 78 | 70 | 67 | 65 | 56 | 55 | 53 | 44 | 43 | 42 | 36 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 2   | 88  | 81  | 75  | 70  | 80 | 74 | 69 | 64 | 61 | 58 | 54 | 50 | 47 | 45 | 39 | 37 | 36 | 31 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 3   | 80  | 71  | 64  | 58  | 73 | 65 | 59 | 54 | 54 | 50 | 46 | 44 | 41 | 38 | 35 | 32 | 31 | 26 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 4   | 73  | 63  | 55  | 49  | 67 | 58 | 51 | 46 | 48 | 43 | 39 | 39 | 36 | 33 | 31 | 29 | 26 | 23 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 5   | 67  | 56  | 48  | 42  | 61 | 52 | 45 | 39 | 43 | 38 | 34 | 35 | 31 | 28 | 28 | 25 | 23 | 20 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 6   | 62  | 50  | 42  | 37  | 57 | 46 | 39 | 34 | 39 | 34 | 30 | 32 | 28 | 25 | 25 | 23 | 20 | 17 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 7   | 57  | 45  | 38  | 32  | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 23 | 20 | 18 | 16 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 8   | 53  | 41  | 34  | 28  | 49 | 38 | 31 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 21 | 19 | 16 | 14 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 9   | 50  | 38  | 30  | 25  | 45 | 35 | 28 | 24 | 30 | 24 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 10  | 46  | 34  | 27  | 23  | 42 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 18 | 16 | 13 | 11 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 8862 | 8862 | 8862 |
| 5°  | 8787 | 8801 | 8863 |
| 10° | 8737 | 8716 | 8709 |
| 15° | 8599 | 8542 | 8473 |
| 20° | 8463 | 8276 | 8159 |
| 25° | 8237 | 8004 | 7779 |
| 30° | 8009 | 7655 | 7365 |
| 35° | 7746 | 7297 | 6951 |
| 40° | 7467 | 6962 | 6555 |
| 45° | 7188 | 6611 | 6170 |
| 50° | 6937 | 6270 | 5796 |
| 55° | 6626 | 5915 | 5442 |
| 60° | 6270 | 5577 | 5089 |
| 65° | 5893 | 5201 | 4735 |
| 70° | 5474 | 4782 | 4288 |
| 75° | 4980 | 4327 | 3883 |
| 80° | 4453 | 3791 | 3521 |
| 85° | 3417 | 3118 | 2578 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7188 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 47.8   | 1.7       |
| 10°-20°   | 133.4  | 4.8       |
| 20°-30°   | 191.8  | 6.9       |
| 30°-40°   | 215.6  | 7.8       |
| 40°-50°   | 208.2  | 7.5       |
| 50°-60°   | 175.9  | 6.3       |
| 60°-70°   | 126.4  | 4.6       |
| 70°-80°   | 69.1   | 2.5       |
| 80°-90°   | 18.3   | 0.7       |
| 90°-100°  | 18.1   | 0.7       |
| 100°-110° | 112.0  | 4.0       |
| 110°-120° | 282.4  | 10.2      |
| 120°-130° | 339.5  | 12.2      |
| 130°-140° | 307.8  | 11.1      |
| 140°-150° | 245.4  | 8.9       |
| 150°-160° | 167.4  | 6.0       |
| 160°-170° | 88.5   | 3.2       |
| 170°-180° | 24.6   | 0.9       |
| 0°-30°    | 373.0  | 13.5      |
| 0°-40°    | 588.6  | 21.2      |
| 0°-60°    | 972.7  | 35.1      |
| 0°-90°    | 1186.5 | 42.8      |
| 90°-120°  | 412.4  | 14.9      |
| 90°-150°  | 1305.1 | 47.1      |
| 90°-180°  | 1586.0 | 57.2      |
| 0°-180°   | 2772.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 509 | 509   | 509 | 509   | 509 |      |
| 5°   | 503 | 509   | 503 | 503   | 507 | 48   |
| 15°  | 477 | 481   | 474 | 469   | 470 | 134  |
| 25°  | 429 | 429   | 416 | 407   | 405 | 197  |
| 35°  | 364 | 360   | 343 | 330   | 327 | 228  |
| 45°  | 292 | 286   | 268 | 254   | 250 | 225  |
| 55°  | 218 | 210   | 195 | 183   | 179 | 195  |
| 65°  | 143 | 138   | 126 | 117   | 115 | 142  |
| 75°  | 74  | 70    | 64  | 59    | 58  | 79   |
| 85°  | 17  | 16    | 16  | 14    | 13  | 20   |
| 90°  | 0   | 0     | 0   | 0     | 0   | 1    |
| 95°  | 9   | 24    | 7   | 5     | 5   | 12   |
| 105° | 46  | 128   | 185 | 46    | 31  | 48   |
| 115° | 79  | 175   | 422 | 393   | 300 | 78   |
| 125° | 103 | 212   | 461 | 524   | 527 | 92   |
| 135° | 129 | 235   | 462 | 541   | 580 | 100  |
| 145° | 165 | 247   | 436 | 525   | 572 | 103  |
| 155° | 201 | 252   | 388 | 468   | 492 | 92   |
| 165° | 228 | 249   | 313 | 369   | 386 | 64   |
| 175° | 241 | 244   | 249 | 253   | 258 | 23   |
| 180° | 241 | 241   | 241 | 241   | 241 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 0°     | 508.8 | 508.8 | 508.8 | 508.8 | 508.8 |
| 2.5°   | 505.4 | 511.5 | 506.9 | 507.6 | 508.5 |
| 5°     | 502.6 | 509.4 | 503.4 | 503.4 | 506.9 |
| 7.5°   | 499.0 | 505.5 | 497.8 | 496.4 | 499.6 |
| 10°    | 494.0 | 500.5 | 492.8 | 490.2 | 492.4 |
| 12.5°  | 487.5 | 493.6 | 486.3 | 482.1 | 484.0 |
| 15°    | 476.9 | 481.1 | 473.7 | 469.1 | 469.9 |
| 17.5°  | 465.3 | 467.9 | 457.4 | 453.5 | 452.7 |
| 20°    | 456.6 | 458.9 | 446.5 | 441.0 | 440.2 |
| 22.5°  | 445.4 | 447.4 | 434.3 | 427.6 | 426.5 |
| 25°    | 428.6 | 428.9 | 416.5 | 407.1 | 404.8 |
| 27.5°  | 410.9 | 409.7 | 395.9 | 384.8 | 381.8 |
| 30°    | 398.2 | 396.6 | 380.6 | 368.9 | 366.2 |
| 32.5°  | 384.5 | 381.7 | 365.7 | 353.0 | 350.3 |
| 35°    | 364.3 | 360.1 | 343.2 | 329.9 | 326.9 |
| 37.5°  | 342.8 | 338.0 | 321.5 | 307.0 | 303.6 |
| 40°    | 328.4 | 323.1 | 306.2 | 291.7 | 288.3 |
| 42.5°  | 314.1 | 308.1 | 290.9 | 276.4 | 272.7 |
| 45°    | 291.8 | 285.7 | 268.4 | 254.3 | 250.5 |
| 47.5°  | 270.6 | 262.8 | 246.1 | 232.0 | 228.2 |
| 50°    | 256.0 | 247.6 | 231.4 | 217.7 | 213.9 |
| 52.5°  | 241.0 | 232.3 | 216.8 | 203.7 | 199.9 |
| 55°    | 218.2 | 210.2 | 194.8 | 182.6 | 179.2 |
| 57.5°  | 195.6 | 187.9 | 173.8 | 162.2 | 158.9 |
| 60°    | 180.0 | 173.5 | 160.1 | 149.1 | 146.1 |
| 62.5°  | 165.0 | 159.2 | 146.4 | 136.4 | 133.3 |
| 65°    | 143.0 | 137.6 | 126.2 | 117.2 | 114.9 |
| 67.5°  | 121.6 | 116.2 | 107.0 | 98.9  | 96.3  |
| 70°    | 107.5 | 102.2 | 93.9  | 86.4  | 84.2  |
| 72.5°  | 94.1  | 88.5  | 81.7  | 74.9  | 73.2  |
| 75°    | 74.0  | 69.5  | 64.3  | 59.2  | 57.7  |
| 77.5°  | 56.3  | 51.8  | 48.1  | 44.5  | 44.1  |
| 80°    | 44.4  | 40.6  | 37.8  | 35.4  | 35.1  |
| 82.5°  | 33.2  | 30.3  | 28.4  | 26.7  | 26.6  |
| 85°    | 17.1  | 16.0  | 15.6  | 13.6  | 12.9  |
| 87.5°  | 5.0   | 5.0   | 4.4   | 3.7   | 3.7   |
| 90°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 2.5   | 4.1   | 1.7   | 1.7   | 1.7   |
| 95°    | 9.4   | 23.6  | 7.3   | 5.2   | 5.2   |
| 97.5°  | 19.6  | 56.6  | 39.3  | 10.6  | 9.2   |
| 100°   | 27.0  | 82.0  | 67.6  | 15.5  | 12.5  |
| 102.5° | 34.5  | 104.1 | 106.7 | 24.6  | 19.1  |
| 105°   | 45.8  | 128.1 | 185.1 | 46.5  | 31.2  |
| 107.5° | 56.8  | 143.9 | 283.8 | 95.9  | 57.8  |
| 110°   | 63.4  | 152.9 | 357.8 | 149.5 | 89.5  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 70.1  | 162.0 | 398.6 | 239.6 | 154.4 |
| 115°   | 79.1  | 174.7 | 422.3 | 393.1 | 299.6 |
| 117.5° | 86.5  | 186.2 | 442.7 | 486.2 | 458.7 |
| 120°   | 91.5  | 195.3 | 453.5 | 499.5 | 508.6 |
| 122.5° | 96.5  | 201.9 | 459.3 | 504.7 | 522.0 |
| 125°   | 103.0 | 211.8 | 460.8 | 524.3 | 527.4 |
| 127.5° | 109.4 | 219.3 | 467.7 | 542.4 | 543.8 |
| 130°   | 114.4 | 224.3 | 474.3 | 548.4 | 559.6 |
| 132.5° | 120.2 | 228.5 | 476.8 | 551.9 | 568.8 |
| 135°   | 129.0 | 234.8 | 461.8 | 540.7 | 580.4 |
| 137.5° | 140.0 | 239.3 | 447.5 | 540.4 | 566.1 |
| 140°   | 146.7 | 240.2 | 440.0 | 552.4 | 554.4 |
| 142.5° | 154.2 | 242.8 | 438.3 | 551.1 | 568.5 |
| 145°   | 165.4 | 246.7 | 435.8 | 525.3 | 572.1 |
| 147.5° | 176.6 | 249.2 | 426.3 | 496.9 | 537.8 |
| 150°   | 184.1 | 250.2 | 417.1 | 487.4 | 512.8 |
| 152.5° | 191.6 | 251.2 | 405.5 | 481.5 | 502.8 |
| 155°   | 200.8 | 251.6 | 388.0 | 467.6 | 492.0 |
| 157.5° | 210.3 | 250.4 | 367.0 | 442.3 | 468.9 |
| 160°   | 215.3 | 248.9 | 353.7 | 423.9 | 447.3 |
| 162.5° | 220.3 | 248.2 | 342.0 | 399.8 | 427.3 |
| 165°   | 227.8 | 249.2 | 313.1 | 368.6 | 385.9 |
| 167.5° | 232.8 | 248.2 | 286.0 | 331.5 | 355.9 |
| 170°   | 236.1 | 248.3 | 269.4 | 303.1 | 323.5 |
| 172.5° | 238.6 | 244.3 | 259.4 | 277.2 | 291.0 |
| 175°   | 241.3 | 244.4 | 248.6 | 252.9 | 258.0 |
| 177.5° | 242.1 | 243.8 | 240.5 | 239.7 | 241.3 |
| 180°   | 241.3 | 241.3 | 241.3 | 241.3 | 241.3 |



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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 | 13.88            | 14.67 | 14.89 | 15.69 | 17.06 | 12.77          | 13.57 | 13.79 | 14.59 | 15.96 |
|                 | 3H   | 15.52            | 16.22 | 16.54 | 17.26 | 18.65 | 14.30          | 15.01 | 15.33 | 16.04 | 17.43 |
|                 | 4H   | 16.14            | 16.81 | 17.18 | 17.85 | 19.25 | 14.87          | 15.54 | 15.91 | 16.58 | 17.97 |
|                 | 6H   | 16.54            | 17.16 | 17.59 | 18.20 | 19.61 | 15.24          | 15.85 | 16.29 | 16.89 | 18.31 |
|                 | 8H   | 16.69            | 17.27 | 17.74 | 18.33 | 19.74 | 15.37          | 15.96 | 16.43 | 17.02 | 18.43 |
|                 | 12H  | 16.76            | 17.32 | 17.82 | 18.37 | 19.80 | 15.43          | 15.99 | 16.50 | 17.04 | 18.47 |
| 4H              | 2H   | 14.28            | 14.95 | 15.32 | 15.98 | 17.38 | 13.40          | 14.07 | 14.45 | 15.11 | 16.51 |
|                 | 3H   | 16.14            | 16.70 | 17.19 | 17.76 | 19.18 | 15.13          | 15.69 | 16.18 | 16.75 | 18.17 |
|                 | 4H   | 16.88            | 17.39 | 17.94 | 18.45 | 19.88 | 15.80          | 16.31 | 16.86 | 17.37 | 18.80 |
|                 | 6H   | 17.40            | 17.84 | 18.47 | 18.92 | 20.35 | 16.27          | 16.71 | 17.34 | 17.79 | 19.22 |
|                 | 8H   | 17.60            | 18.01 | 18.67 | 19.08 | 20.53 | 16.46          | 16.87 | 17.53 | 17.94 | 19.39 |
|                 | 12H  | 17.70            | 18.07 | 18.79 | 19.16 | 20.61 | 16.54          | 16.92 | 17.63 | 18.00 | 19.45 |
| 8H              | 4H   | 17.03            | 17.44 | 18.10 | 18.52 | 19.96 | 16.07          | 16.48 | 17.14 | 17.55 | 19.00 |
|                 | 6H   | 17.67            | 18.01 | 18.77 | 19.13 | 20.57 | 16.67          | 17.01 | 17.76 | 18.12 | 19.56 |
|                 | 8H   | 17.96            | 18.26 | 19.06 | 19.36 | 20.82 | 16.94          | 17.24 | 18.05 | 18.34 | 19.80 |
|                 | 12H  | 18.13            | 18.39 | 19.24 | 19.49 | 20.99 | 17.09          | 17.35 | 18.20 | 18.44 | 19.94 |
| 12H             | 4H   | 17.01            | 17.38 | 18.10 | 18.47 | 19.92 | 16.07          | 16.44 | 17.16 | 17.53 | 18.98 |
|                 | 6H   | 17.70            | 18.00 | 18.80 | 19.09 | 20.56 | 16.73          | 17.03 | 17.83 | 18.13 | 19.59 |
|                 | 8H   | 18.01            | 18.28 | 19.12 | 19.37 | 20.87 | 17.03          | 17.30 | 18.14 | 18.39 | 19.89 |