

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMARK

Report Number: P1555008

Luminaire Tested: **AXCL8ARL**

Issue Date: 9/1/2026



**Test Information**

Test Method: LM-79-08  
Report Number: P1555008  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-354-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: AXCL8ARL  
Description: Axcent Wall Mount Luminaire , Refractive Lens, 4000K LEDs  
Light Source: -  
Ballast/Driver: -

**Summary**

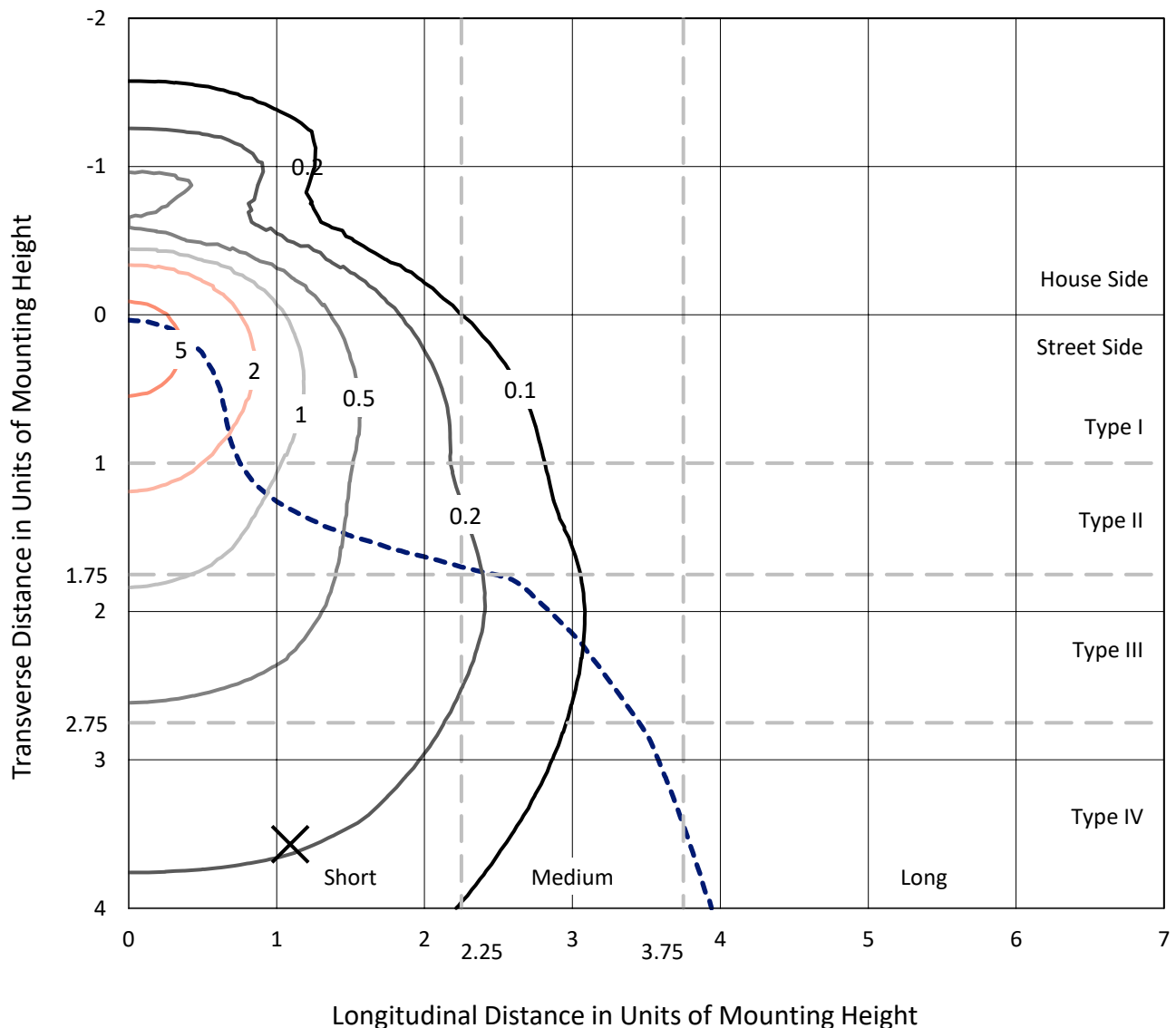
Lumens per Lamp: N/A  
Luminaire Lumens: 10331 lumens  
Efficiency: N/A  
Efficacy: 158.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.29' x H: 0.38')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U5 - G5

Input Watts (W): 65.3  
Input Voltage (V): NR  
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: 25 FT

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## Iso-Footcandle Lines of Horizontal Illumination

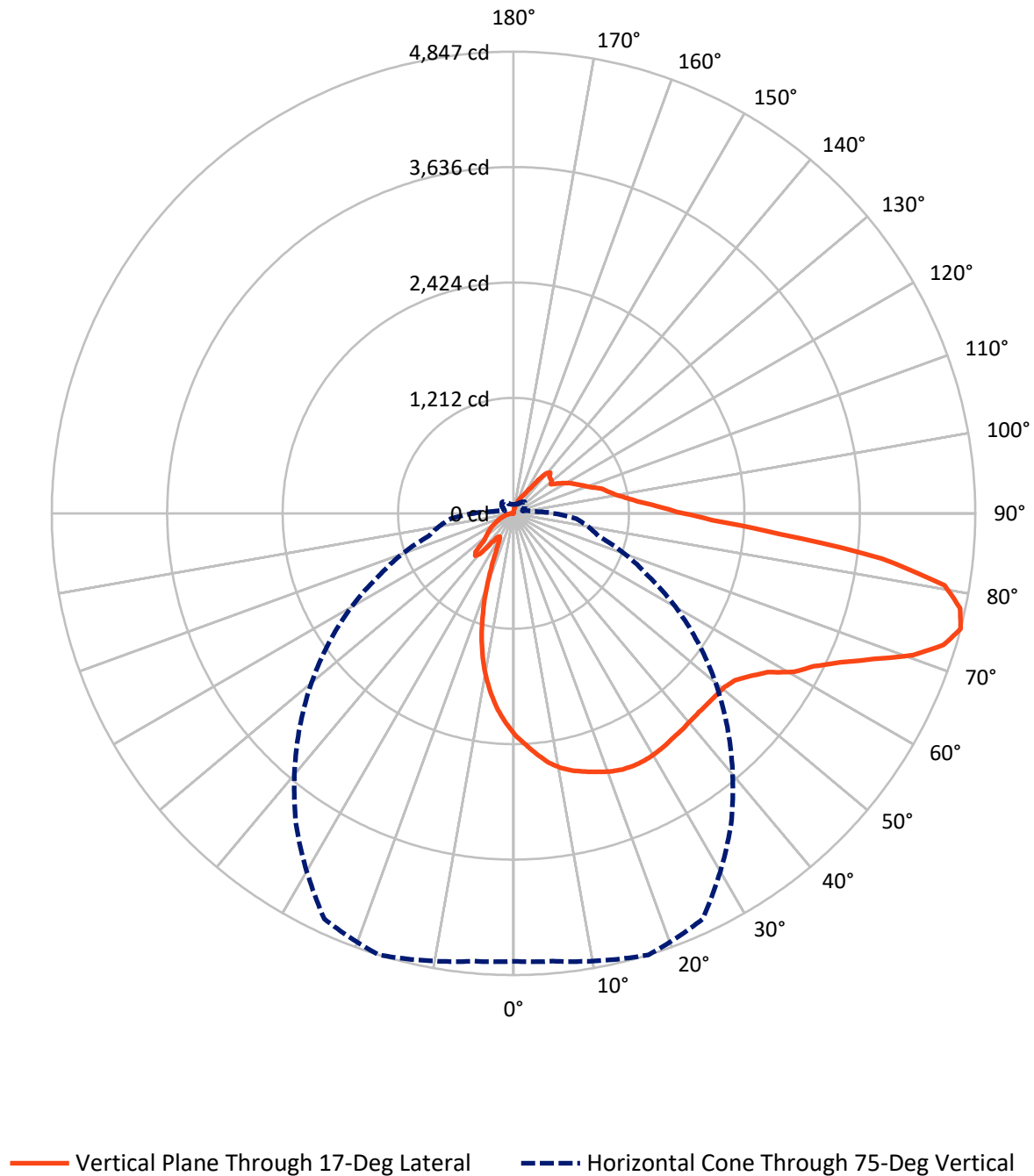
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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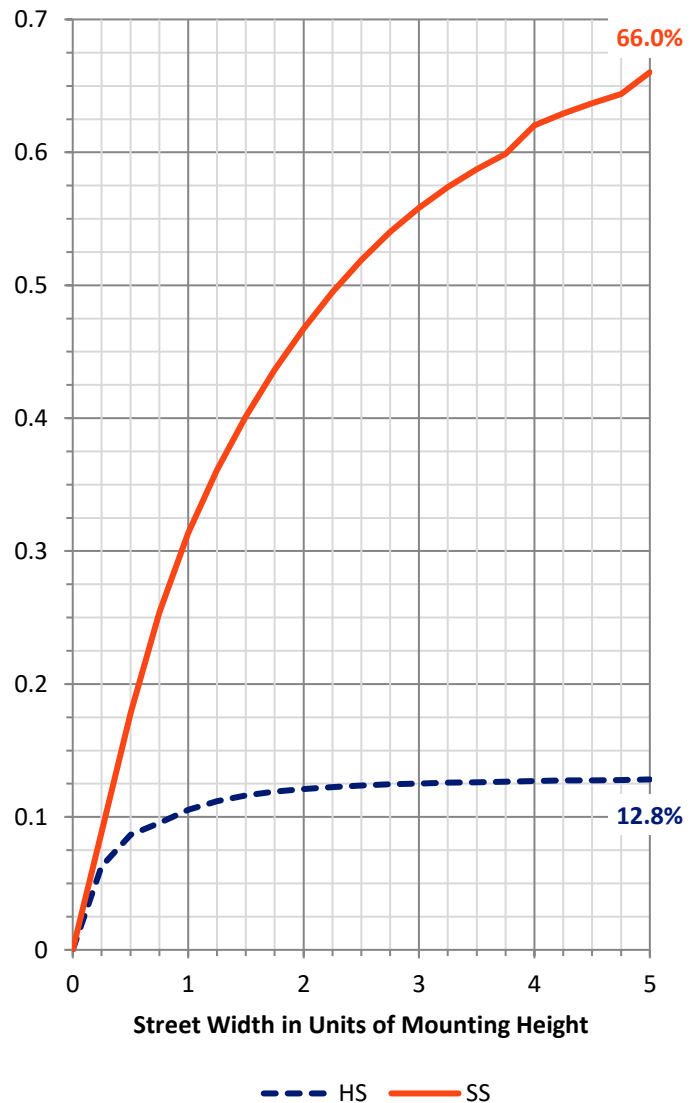
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1349.5   | 81.5   | 1431.0  |
|                    | % Fixture | 13.1     | 0.8    | 13.9    |
| <b>Street Side</b> | Lumens    | 7461.8   | 1438.2 | 8900.0  |
|                    | % Fixture | 72.2     | 13.9   | 86.1    |
| <b>Total</b>       | Lumens    | 8811.3   | 1519.7 | 10331.0 |
|                    | % Fixture | 85.3     | 14.7   | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 218.8   | 2.1       |
| 10°-20°   | 600.6   | 5.8       |
| 20°-30°   | 837.5   | 8.1       |
| 30°-40°   | 984.4   | 9.5       |
| 40°-50°   | 1098.5  | 10.6      |
| 50°-60°   | 1158.0  | 11.2      |
| 60°-70°   | 1355.0  | 13.1      |
| 70°-80°   | 1597.7  | 15.5      |
| 80°-90°   | 960.7   | 9.3       |
| 90°-100°  | 487.1   | 4.7       |
| 100°-110° | 341.8   | 3.3       |
| 110°-120° | 247.9   | 2.4       |
| 120°-130° | 175.7   | 1.7       |
| 130°-140° | 145.8   | 1.4       |
| 140°-150° | 79.6    | 0.8       |
| 150°-160° | 31.3    | 0.3       |
| 160°-170° | 9.6     | 0.1       |
| 170°-180° | 0.9     | 0.0       |
| 0°-90°    | 8811.3  | 85.3      |
| 0°-180°   | 10331.0 | 100.0     |

**Coefficient of Utilization**



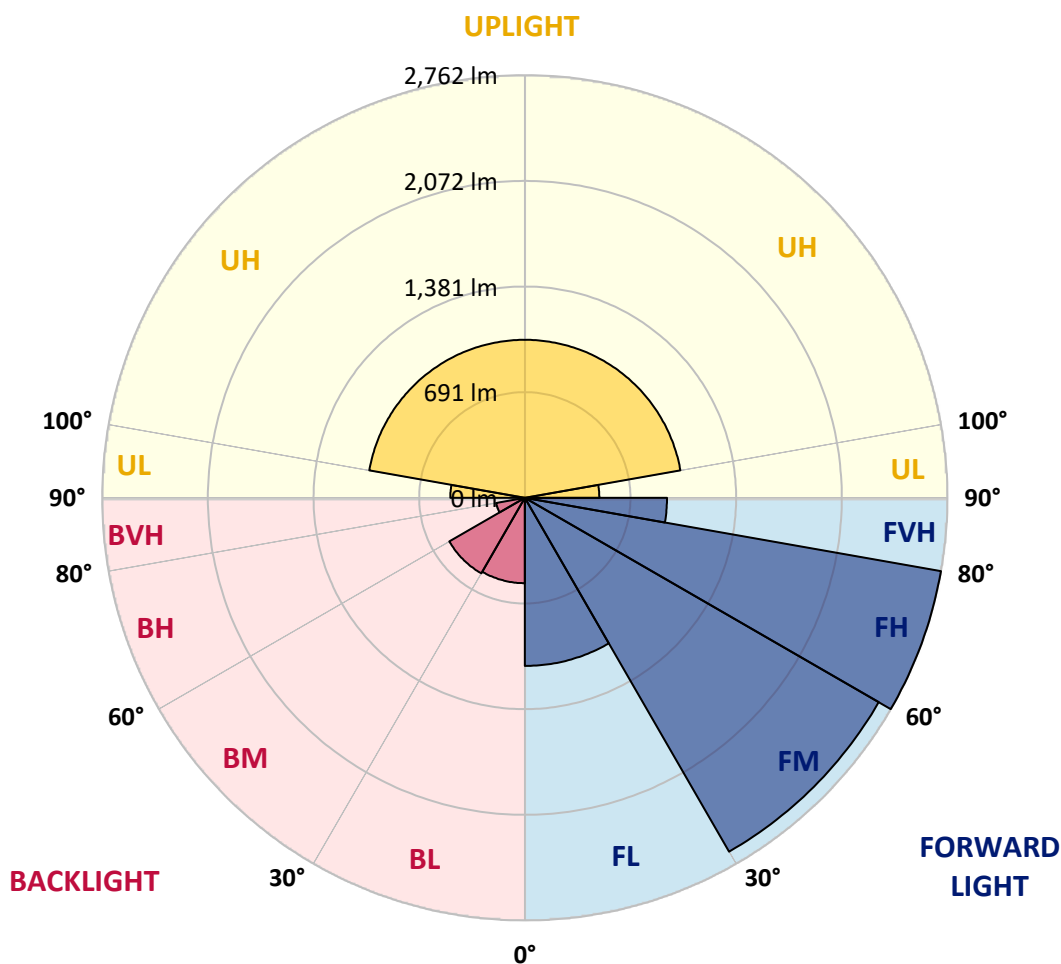
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 1098.9 | 10.6      |                         |        |         |
| FM   | (30°-60°)   | 2671.1 | 25.9      |                         |        |         |
| FH   | (60°-80°)   | 2762.4 | 26.7      |                         |        | G2/5000 |
| FVH  | (80°-90°)   | 929.5  | 9.0       |                         |        | G5      |
| BL   | (0°-30°)    | 558.0  | 5.4       | B2/1000                 |        |         |
| BM   | (30°-60°)   | 569.9  | 5.5       | B1/1000                 |        |         |
| BH   | (60°-80°)   | 190.3  | 1.8       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 31.3   | 0.3       |                         |        | G1/100  |
| UL   | (90°-100°)  | 487.1  | 4.7       |                         | U3/500 |         |
| UH   | (100°-180°) | 1032.6 | 10.0      |                         | U5     |         |

**BUG Rating: B2-U5-G5**

Type IV Short





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CATALOG NUMBER: AXCL8ARL

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 17°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 |
| 2.5°   | 2445.4 | 2441.2 | 2435.3 | 2432.3 | 2425.2 | 2417.4 | 2406.7 | 2389.4 | 2373.9 | 2351.9 | 2337.0 |
| 5°     | 2550.2 | 2551.4 | 2541.3 | 2540.1 | 2521.1 | 2505.0 | 2474.6 | 2446.0 | 2416.8 | 2374.5 | 2338.8 |
| 7.5°   | 2661.6 | 2654.5 | 2644.3 | 2642.5 | 2620.5 | 2591.9 | 2554.4 | 2499.6 | 2447.2 | 2390.0 | 2333.4 |
| 10°    | 2737.8 | 2733.7 | 2722.4 | 2718.2 | 2702.1 | 2668.8 | 2615.7 | 2551.4 | 2477.6 | 2396.6 | 2320.3 |
| 12.5°  | 2791.4 | 2786.7 | 2774.8 | 2772.4 | 2753.3 | 2718.8 | 2665.2 | 2591.3 | 2500.8 | 2394.2 | 2297.7 |
| 15°    | 2836.7 | 2831.3 | 2817.6 | 2814.7 | 2787.9 | 2752.1 | 2694.4 | 2616.3 | 2513.9 | 2387.0 | 2269.1 |
| 17.5°  | 2883.2 | 2877.2 | 2859.9 | 2854.0 | 2824.2 | 2776.0 | 2706.9 | 2625.3 | 2517.5 | 2372.2 | 2234.6 |
| 20°    | 2924.8 | 2918.3 | 2899.2 | 2893.9 | 2855.2 | 2796.2 | 2711.6 | 2622.3 | 2510.3 | 2350.7 | 2189.9 |
| 22.5°  | 2952.2 | 2946.3 | 2925.4 | 2921.9 | 2880.2 | 2810.5 | 2713.4 | 2608.0 | 2491.9 | 2320.9 | 2137.5 |
| 25°    | 2965.3 | 2959.4 | 2940.3 | 2935.0 | 2890.3 | 2816.5 | 2709.3 | 2588.4 | 2462.1 | 2281.0 | 2079.1 |
| 27.5°  | 2968.9 | 2963.6 | 2942.1 | 2936.2 | 2888.5 | 2809.9 | 2697.9 | 2563.3 | 2419.8 | 2232.8 | 2013.0 |
| 30°    | 2963.0 | 2957.6 | 2935.6 | 2928.4 | 2876.0 | 2792.6 | 2674.1 | 2527.6 | 2368.6 | 2179.2 | 1943.3 |
| 32.5°  | 2954.6 | 2948.1 | 2920.1 | 2911.7 | 2853.4 | 2765.8 | 2637.8 | 2482.9 | 2310.8 | 2118.4 | 1860.0 |
| 35°    | 2941.5 | 2933.8 | 2899.8 | 2890.3 | 2826.6 | 2727.1 | 2593.7 | 2432.9 | 2253.6 | 2049.4 | 1783.1 |
| 37.5°  | 2944.5 | 2935.0 | 2892.7 | 2879.0 | 2800.4 | 2681.9 | 2545.5 | 2378.7 | 2190.5 | 1981.5 | 1700.4 |
| 40°    | 2936.2 | 2925.4 | 2875.4 | 2862.3 | 2781.3 | 2640.8 | 2480.0 | 2316.8 | 2131.5 | 1911.8 | 1624.1 |
| 42.5°  | 2942.7 | 2932.0 | 2872.4 | 2853.4 | 2750.3 | 2591.3 | 2419.8 | 2257.2 | 2058.3 | 1839.1 | 1530.0 |
| 45°    | 2957.6 | 2944.5 | 2875.4 | 2852.8 | 2728.3 | 2538.9 | 2364.4 | 2191.1 | 1994.6 | 1753.4 | 1444.9 |
| 47.5°  | 2955.2 | 2945.7 | 2877.2 | 2857.5 | 2719.4 | 2498.4 | 2304.3 | 2132.1 | 1914.2 | 1671.8 | 1355.5 |
| 50°    | 2995.1 | 2976.7 | 2891.5 | 2868.9 | 2715.8 | 2472.8 | 2252.4 | 2070.2 | 1833.2 | 1569.9 | 1264.4 |
| 52.5°  | 3058.9 | 3038.6 | 2939.7 | 2910.0 | 2742.6 | 2459.1 | 2203.6 | 2005.9 | 1764.1 | 1483.0 | 1179.8 |
| 55°    | 3189.3 | 3158.9 | 3049.3 | 3016.0 | 2816.5 | 2478.2 | 2156.6 | 1946.3 | 1691.4 | 1405.5 | 1082.2 |
| 57.5°  | 3344.1 | 3339.4 | 3185.7 | 3145.8 | 2928.4 | 2528.8 | 2156.0 | 1873.1 | 1631.9 | 1324.5 | 1007.7 |
| 60°    | 3562.7 | 3547.2 | 3420.4 | 3381.1 | 3125.0 | 2636.6 | 2203.0 | 1823.0 | 1577.1 | 1259.0 | 938.0  |
| 62.5°  | 3725.9 | 3696.1 | 3563.9 | 3534.7 | 3350.1 | 2827.8 | 2281.0 | 1819.5 | 1516.3 | 1204.8 | 867.7  |
| 65°    | 3965.3 | 3929.0 | 3806.9 | 3771.8 | 3536.5 | 3060.0 | 2452.0 | 1856.4 | 1441.3 | 1163.7 | 815.9  |
| 67.5°  | 4219.6 | 4200.6 | 4110.0 | 4078.5 | 3921.2 | 3403.1 | 2690.8 | 1971.3 | 1385.9 | 1135.2 | 759.9  |
| 70°    | 4486.4 | 4475.7 | 4448.9 | 4454.3 | 4368.5 | 3824.2 | 3047.5 | 2191.1 | 1408.5 | 1116.1 | 715.9  |
| 72.5°  | 4618.7 | 4608.5 | 4693.7 | 4720.5 | 4693.1 | 4073.1 | 3285.8 | 2487.7 | 1493.7 | 1038.1 | 686.7  |
| 75°    | 4703.8 | 4720.5 | 4826.5 | 4847.4 | 4699.6 | 3982.0 | 3173.8 | 2362.0 | 1561.6 | 921.3  | 664.1  |
| 77.5°  | 4761.0 | 4771.1 | 4817.0 | 4792.0 | 4460.2 | 3616.3 | 2868.9 | 2128.0 | 1440.7 | 837.4  | 633.7  |
| 80°    | 4715.1 | 4716.9 | 4668.7 | 4588.3 | 4049.3 | 3180.9 | 2363.8 | 1712.9 | 1227.5 | 714.7  | 542.0  |
| 82.5°  | 4425.7 | 4382.2 | 4063.0 | 3895.0 | 3257.8 | 2371.0 | 1580.6 | 1200.1 | 998.8  | 640.8  | 371.0  |
| 85°    | 3588.3 | 3547.8 | 2938.5 | 2809.3 | 2315.0 | 1703.9 | 1292.4 | 1055.4 | 886.2  | 624.2  | 237.0  |
| 87.5°  | 2527.0 | 2491.3 | 2179.8 | 2084.5 | 1826.0 | 1423.4 | 1159.0 | 964.8  | 798.7  | 581.3  | 144.7  |
| 90°    | 2001.7 | 1960.6 | 1759.9 | 1714.6 | 1543.1 | 1272.7 | 1047.0 | 871.3  | 713.5  | 493.7  | 119.1  |
| 92.5°  | 1663.4 | 1638.4 | 1511.6 | 1492.5 | 1368.0 | 1154.8 | 963.0  | 795.7  | 630.1  | 389.5  | 106.6  |
| 95°    | 1410.9 | 1406.1 | 1312.6 | 1305.5 | 1235.8 | 1067.9 | 895.1  | 746.8  | 547.3  | 296.0  | 101.8  |
| 97.5°  | 1242.4 | 1227.5 | 1175.1 | 1184.0 | 1140.5 | 983.3  | 825.5  | 698.6  | 465.7  | 241.2  | 107.8  |
| 100°   | 1116.1 | 1109.0 | 1070.8 | 1084.5 | 1049.4 | 921.3  | 776.0  | 635.5  | 407.4  | 206.7  | 114.9  |
| 102.5° | 1030.9 | 1024.4 | 999.4  | 1016.6 | 985.7  | 860.0  | 729.0  | 576.5  | 367.5  | 202.5  | 120.9  |
| 105°   | 960.7  | 956.5  | 945.2  | 962.4  | 932.7  | 798.7  | 671.2  | 529.5  | 332.3  | 204.9  | 125.7  |
| 107.5° | 892.2  | 885.0  | 867.2  | 878.5  | 839.8  | 734.9  | 611.1  | 485.4  | 321.0  | 209.0  | 128.0  |
| 110°   | 801.0  | 801.0  | 800.4  | 811.2  | 781.4  | 683.7  | 564.0  | 435.4  | 319.2  | 210.8  | 128.0  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 17°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 758.8 | 755.2 | 754.0 | 761.1 | 723.0 | 628.3 | 532.4 | 402.0 | 297.2 | 209.0 | 124.5 |
| 115°   | 715.9 | 711.7 | 713.5 | 714.1 | 676.6 | 582.5 | 489.6 | 384.1 | 279.9 | 201.9 | 117.9 |
| 117.5° | 678.4 | 676.0 | 676.0 | 675.4 | 626.5 | 547.3 | 440.7 | 365.1 | 266.2 | 188.8 | 109.6 |
| 120°   | 632.5 | 629.5 | 625.9 | 625.9 | 584.9 | 497.9 | 415.7 | 327.0 | 249.5 | 179.9 | 101.8 |
| 122.5° | 587.8 | 584.9 | 577.1 | 577.1 | 533.0 | 449.7 | 400.8 | 314.5 | 244.8 | 169.7 | 94.7  |
| 125°   | 546.1 | 543.8 | 537.2 | 533.6 | 486.0 | 456.2 | 369.8 | 304.3 | 236.4 | 164.4 | 87.5  |
| 127.5° | 514.0 | 509.8 | 498.5 | 495.5 | 496.1 | 448.5 | 366.9 | 293.6 | 238.8 | 156.6 | 81.0  |
| 130°   | 537.8 | 528.9 | 528.3 | 527.1 | 503.9 | 431.8 | 380.0 | 310.9 | 238.2 | 151.9 | 74.4  |
| 132.5° | 552.1 | 549.1 | 535.4 | 531.2 | 494.9 | 459.8 | 372.8 | 312.7 | 236.4 | 145.3 | 67.9  |
| 135°   | 555.1 | 552.1 | 538.4 | 537.8 | 524.7 | 460.4 | 404.4 | 324.0 | 231.1 | 137.0 | 61.3  |
| 137.5° | 583.7 | 583.1 | 578.3 | 575.9 | 531.8 | 468.1 | 402.0 | 316.2 | 218.0 | 124.5 | 56.0  |
| 140°   | 572.9 | 570.6 | 550.9 | 546.1 | 513.4 | 467.5 | 387.1 | 291.8 | 189.4 | 107.8 | 51.2  |
| 142.5° | 461.6 | 463.9 | 455.0 | 458.0 | 427.0 | 360.9 | 312.1 | 231.7 | 159.6 | 94.7  | 47.1  |
| 145°   | 359.1 | 359.1 | 341.9 | 334.1 | 313.3 | 292.4 | 250.1 | 189.4 | 137.6 | 85.8  | 42.9  |
| 147.5° | 273.4 | 272.8 | 278.1 | 279.9 | 260.9 | 232.3 | 195.9 | 162.0 | 117.9 | 78.0  | 37.5  |
| 150°   | 241.8 | 238.8 | 226.3 | 225.7 | 221.6 | 195.9 | 174.5 | 148.3 | 106.6 | 70.3  | 33.9  |
| 152.5° | 213.2 | 214.4 | 208.4 | 205.5 | 190.6 | 178.7 | 160.2 | 129.2 | 97.7  | 61.9  | 29.8  |
| 155°   | 181.1 | 181.6 | 179.3 | 179.9 | 175.7 | 160.8 | 137.0 | 111.4 | 86.4  | 54.8  | 27.4  |
| 157.5° | 163.8 | 163.2 | 158.4 | 158.4 | 157.2 | 136.4 | 114.9 | 98.9  | 73.3  | 47.6  | 26.2  |
| 160°   | 144.1 | 143.5 | 138.2 | 134.6 | 126.3 | 110.2 | 98.3  | 79.2  | 62.5  | 41.1  | 25.0  |
| 162.5° | 112.0 | 110.8 | 106.6 | 104.8 | 100.1 | 93.5  | 79.8  | 65.5  | 50.0  | 33.9  | 21.4  |
| 165°   | 92.3  | 92.3  | 89.9  | 90.5  | 84.6  | 72.7  | 63.7  | 51.8  | 39.3  | 25.6  | 17.3  |
| 167.5° | 70.9  | 69.7  | 68.5  | 67.3  | 63.7  | 57.8  | 48.8  | 39.9  | 28.0  | 17.9  | 12.5  |
| 170°   | 54.2  | 54.2  | 52.4  | 51.8  | 48.2  | 43.5  | 35.7  | 25.6  | 18.5  | 10.1  | 8.3   |
| 172.5° | 38.1  | 38.7  | 36.9  | 36.3  | 33.9  | 26.8  | 20.8  | 14.9  | 10.1  | 7.1   | 5.4   |
| 175°   | 19.1  | 17.9  | 13.7  | 13.7  | 11.9  | 10.7  | 8.3   | 6.6   | 5.4   | 4.8   | 4.2   |
| 177.5° | 3.0   | 2.4   | 3.0   | 3.0   | 3.6   | 4.2   | 4.2   | 4.8   | 4.2   | 4.2   | 3.6   |
| 180°   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   |



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**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 | 2329.9 |
| 2.5°   | 2326.9 | 2316.2 | 2295.3 | 2277.5 | 2260.8 | 2243.5 | 2231.6 | 2217.9 | 2201.8 | 2198.3 | 2201.8 |
| 5°     | 2318.6 | 2297.1 | 2256.6 | 2216.1 | 2173.8 | 2144.1 | 2109.5 | 2086.3 | 2066.6 | 2057.7 | 2054.7 |
| 7.5°   | 2302.5 | 2272.1 | 2207.8 | 2146.4 | 2083.9 | 2027.9 | 1976.7 | 1942.2 | 1907.6 | 1896.9 | 1901.1 |
| 10°    | 2280.4 | 2236.4 | 2150.6 | 2067.2 | 1978.5 | 1900.5 | 1834.4 | 1771.8 | 1734.9 | 1709.9 | 1707.5 |
| 12.5°  | 2246.5 | 2193.5 | 2083.3 | 1974.9 | 1863.5 | 1761.1 | 1668.8 | 1600.9 | 1539.6 | 1518.1 | 1502.6 |
| 15°    | 2207.2 | 2142.3 | 2011.2 | 1870.1 | 1733.1 | 1614.0 | 1491.9 | 1400.2 | 1318.0 | 1289.4 | 1270.4 |
| 17.5°  | 2160.1 | 2085.1 | 1927.3 | 1763.5 | 1596.1 | 1438.3 | 1298.9 | 1162.0 | 1082.2 | 1026.8 | 1034.5 |
| 20°    | 2107.7 | 2022.0 | 1841.5 | 1646.8 | 1447.2 | 1251.9 | 1081.6 | 942.2  | 842.7  | 790.3  | 779.6  |
| 22.5°  | 2045.2 | 1949.9 | 1740.9 | 1521.1 | 1293.6 | 1062.5 | 866.0  | 714.1  | 607.5  | 564.6  | 553.3  |
| 25°    | 1980.9 | 1869.5 | 1637.8 | 1388.9 | 1122.7 | 870.7  | 664.7  | 517.0  | 438.3  | 400.8  | 397.2  |
| 27.5°  | 1901.1 | 1787.9 | 1528.8 | 1254.9 | 951.1  | 690.3  | 496.7  | 381.8  | 321.6  | 307.9  | 303.1  |
| 30°    | 1818.9 | 1693.8 | 1417.5 | 1107.8 | 794.5  | 542.6  | 374.0  | 299.6  | 284.7  | 287.1  | 286.5  |
| 32.5°  | 1730.1 | 1596.1 | 1294.2 | 965.4  | 638.5  | 413.3  | 294.2  | 282.3  | 289.4  | 302.5  | 304.9  |
| 35°    | 1643.8 | 1502.6 | 1184.6 | 821.9  | 512.8  | 323.4  | 267.4  | 290.0  | 318.6  | 341.9  | 349.6  |
| 37.5°  | 1557.4 | 1401.4 | 1062.5 | 696.2  | 412.1  | 271.0  | 270.4  | 317.4  | 411.5  | 510.4  | 530.7  |
| 40°    | 1463.3 | 1309.7 | 946.4  | 580.7  | 334.7  | 248.9  | 290.0  | 406.2  | 582.5  | 636.1  | 637.3  |
| 42.5°  | 1375.8 | 1204.2 | 838.0  | 486.6  | 279.9  | 250.7  | 317.4  | 555.7  | 611.1  | 613.4  | 609.9  |
| 45°    | 1280.5 | 1115.5 | 732.6  | 399.6  | 242.4  | 259.7  | 414.5  | 575.3  | 567.0  | 496.7  | 482.4  |
| 47.5°  | 1193.5 | 1018.4 | 637.9  | 333.5  | 224.5  | 272.2  | 514.6  | 537.8  | 402.0  | 383.0  | 381.8  |
| 50°    | 1093.5 | 927.9  | 549.7  | 279.9  | 220.4  | 296.6  | 499.1  | 398.4  | 377.0  | 352.0  | 348.4  |
| 52.5°  | 1012.5 | 835.6  | 465.7  | 242.4  | 219.8  | 355.6  | 450.3  | 372.8  | 337.1  | 320.4  | 319.8  |
| 55°    | 922.5  | 754.6  | 385.9  | 213.2  | 218.6  | 410.9  | 335.9  | 345.4  | 306.1  | 299.6  | 295.4  |
| 57.5°  | 831.4  | 661.1  | 319.8  | 191.8  | 216.8  | 380.6  | 315.1  | 305.5  | 279.9  | 259.7  | 258.5  |
| 60°    | 768.9  | 581.9  | 258.5  | 175.7  | 217.4  | 333.5  | 305.5  | 272.2  | 241.8  | 228.1  | 225.1  |
| 62.5°  | 689.1  | 514.0  | 212.0  | 165.0  | 218.6  | 263.2  | 286.5  | 240.0  | 210.8  | 199.5  | 197.1  |
| 65°    | 624.2  | 443.1  | 180.5  | 154.8  | 225.1  | 221.0  | 259.7  | 206.7  | 184.0  | 172.7  | 171.5  |
| 67.5°  | 565.2  | 378.8  | 153.1  | 146.5  | 230.5  | 207.9  | 230.5  | 179.9  | 159.0  | 150.7  | 148.3  |
| 70°    | 507.4  | 320.4  | 132.2  | 137.0  | 209.0  | 194.2  | 202.5  | 154.3  | 138.2  | 131.0  | 130.4  |
| 72.5°  | 461.6  | 266.2  | 113.2  | 126.9  | 178.7  | 181.1  | 170.9  | 132.8  | 118.5  | 110.8  | 110.8  |
| 75°    | 415.1  | 216.8  | 95.9   | 117.3  | 154.3  | 166.8  | 142.3  | 109.6  | 98.3   | 92.9   | 92.3   |
| 77.5°  | 367.5  | 156.6  | 83.4   | 112.0  | 136.4  | 151.3  | 119.7  | 89.9   | 80.4   | 76.2   | 76.8   |
| 80°    | 287.1  | 104.8  | 73.3   | 106.0  | 129.2  | 128.6  | 94.7   | 70.3   | 63.1   | 61.3   | 61.9   |
| 82.5°  | 193.6  | 66.1   | 61.9   | 87.0   | 112.6  | 105.4  | 68.5   | 52.4   | 46.5   | 45.3   | 44.7   |
| 85°    | 114.9  | 46.5   | 52.4   | 69.7   | 86.4   | 73.9   | 47.1   | 36.9   | 31.6   | 28.0   | 28.0   |
| 87.5°  | 67.3   | 38.7   | 43.5   | 61.9   | 60.2   | 45.9   | 30.4   | 22.0   | 16.1   | 13.1   | 12.5   |
| 90°    | 47.6   | 38.1   | 39.3   | 61.9   | 45.9   | 30.4   | 17.9   | 7.1    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 48.8   | 42.3   | 41.7   | 66.1   | 45.9   | 29.8   | 17.3   | 7.1    | 0.0    | 0.0    | 0.0    |
| 95°    | 63.1   | 48.8   | 46.5   | 62.5   | 47.6   | 31.6   | 18.5   | 8.9    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 75.0   | 55.4   | 51.2   | 59.6   | 48.8   | 32.8   | 19.1   | 8.3    | 0.0    | 0.0    | 0.0    |
| 100°   | 82.8   | 62.5   | 53.0   | 57.8   | 50.6   | 34.5   | 19.7   | 8.3    | 0.0    | 0.0    | 0.0    |
| 102.5° | 89.9   | 69.7   | 56.6   | 59.0   | 53.0   | 35.1   | 20.2   | 8.9    | 0.0    | 0.0    | 0.0    |
| 105°   | 94.7   | 75.6   | 61.3   | 60.2   | 54.2   | 35.7   | 20.8   | 8.9    | 0.6    | 0.0    | 0.0    |
| 107.5° | 96.5   | 78.6   | 65.5   | 59.6   | 57.2   | 35.7   | 20.2   | 8.9    | 0.6    | 0.0    | 0.0    |
| 110°   | 96.5   | 79.8   | 68.5   | 61.3   | 59.0   | 36.3   | 20.2   | 8.9    | 0.6    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 92.9 | 78.6 | 68.5 | 62.5 | 56.0 | 37.5 | 19.7 | 8.3  | 0.6  | 0.0  | 0.0  |
| 115°   | 88.7 | 76.2 | 67.3 | 66.1 | 52.4 | 36.9 | 19.1 | 8.3  | 0.6  | 0.0  | 0.0  |
| 117.5° | 82.8 | 72.7 | 65.5 | 67.3 | 50.0 | 35.1 | 18.5 | 7.7  | 0.6  | 0.0  | 0.0  |
| 120°   | 76.2 | 68.5 | 62.5 | 66.7 | 49.4 | 32.2 | 17.3 | 7.1  | 0.0  | 0.0  | 0.0  |
| 122.5° | 70.3 | 63.1 | 59.0 | 63.1 | 48.2 | 29.8 | 16.1 | 6.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 64.3 | 57.8 | 54.2 | 59.6 | 45.9 | 28.0 | 14.3 | 5.4  | 0.0  | 0.0  | 0.0  |
| 127.5° | 59.0 | 53.0 | 49.4 | 56.6 | 41.7 | 26.2 | 12.5 | 4.2  | 0.0  | 0.0  | 0.0  |
| 130°   | 53.6 | 47.6 | 45.3 | 51.8 | 36.3 | 24.4 | 11.3 | 3.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 48.8 | 43.5 | 41.1 | 47.6 | 32.8 | 23.2 | 9.5  | 2.4  | 0.0  | 0.0  | 0.0  |
| 135°   | 44.7 | 40.5 | 37.5 | 42.9 | 29.2 | 21.4 | 8.9  | 1.8  | 0.0  | 0.0  | 0.0  |
| 137.5° | 41.1 | 38.1 | 36.3 | 38.7 | 25.0 | 19.7 | 7.7  | 1.2  | 0.0  | 0.0  | 0.0  |
| 140°   | 38.7 | 35.7 | 36.3 | 33.9 | 22.6 | 17.9 | 6.6  | 1.2  | 0.0  | 0.0  | 0.0  |
| 142.5° | 36.3 | 33.9 | 35.7 | 29.8 | 20.2 | 15.5 | 5.4  | 0.6  | 0.0  | 0.0  | 0.0  |
| 145°   | 33.4 | 32.2 | 34.5 | 25.0 | 17.9 | 13.7 | 4.8  | 0.6  | 0.0  | 0.0  | 0.0  |
| 147.5° | 31.0 | 30.4 | 32.8 | 20.8 | 15.5 | 11.9 | 3.6  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 29.2 | 29.8 | 29.8 | 17.3 | 13.7 | 10.1 | 3.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 27.4 | 28.0 | 26.2 | 14.3 | 11.3 | 8.3  | 1.8  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 25.6 | 26.2 | 22.6 | 12.5 | 9.5  | 6.6  | 1.8  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 24.4 | 24.4 | 19.7 | 10.7 | 7.1  | 4.8  | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 23.2 | 22.6 | 16.7 | 8.9  | 6.0  | 3.0  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 20.8 | 18.5 | 13.7 | 7.7  | 4.8  | 2.4  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 16.1 | 14.3 | 10.1 | 6.0  | 3.0  | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 11.3 | 10.1 | 6.6  | 4.2  | 2.4  | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 7.7  | 6.6  | 4.2  | 3.0  | 1.8  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 4.8  | 4.2  | 3.0  | 2.4  | 1.2  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 4.2  | 3.6  | 2.4  | 1.8  | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 3.0  | 3.0  | 1.8  | 1.2  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  |

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