

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: STREETWORKS

Report Number: P1207860

Luminaire Tested: UPW-SA1-030-740-U-SLR-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-2)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-740-U-SLR-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3146 lumens  
Efficiency: N/A  
Efficacy: 92.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 34  
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: 28.75 FT

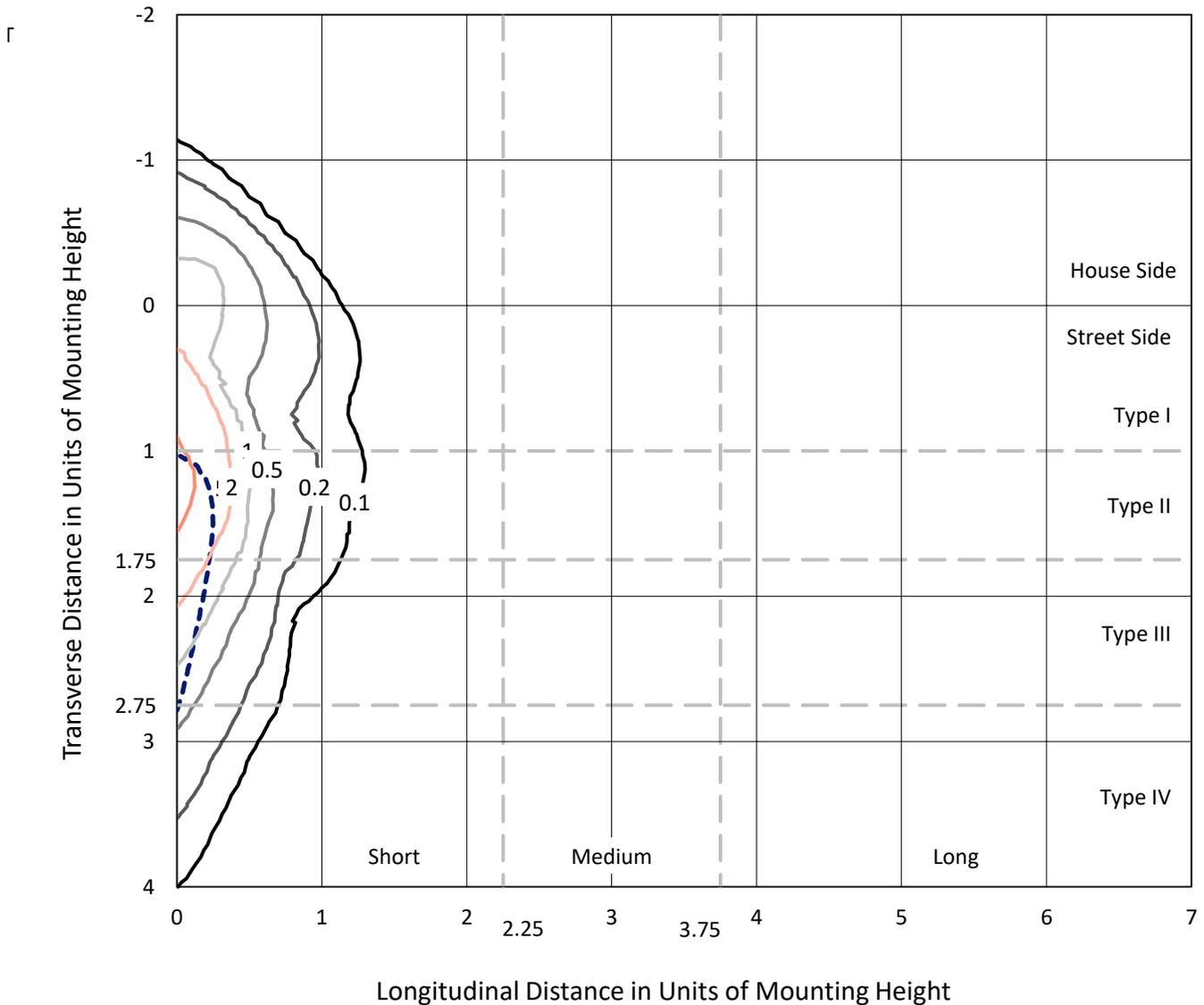


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### Iso-Footcandle Lines of Horizontal Illumination

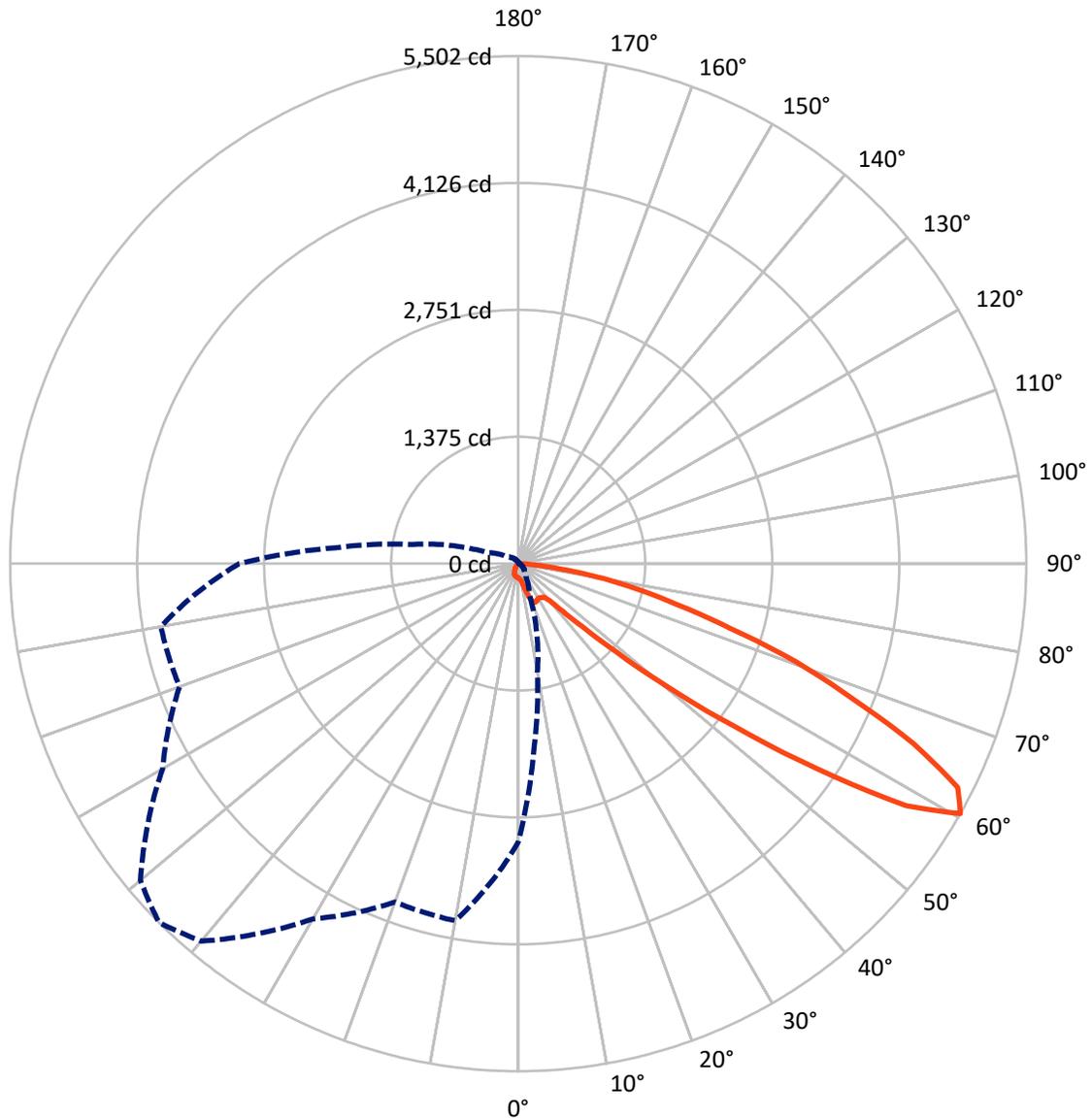
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 362.4    | 0.0    | 362.4  |
|                    | % Fixture | 11.5     | 0.0    | 11.5   |
| <b>Street Side</b> | Lumens    | 2783.6   | 0.0    | 2783.6 |
|                    | % Fixture | 88.5     | 0.0    | 88.5   |
| <b>Total</b>       | Lumens    | 3146.0   | 0.0    | 3146.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 14.3   | 0.5       |
| 10°-20°   | 48.5   | 1.5       |
| 20°-30°   | 104.8  | 3.3       |
| 30°-40°   | 176.6  | 5.6       |
| 40°-50°   | 356.7  | 11.3      |
| 50°-60°   | 917.4  | 29.2      |
| 60°-70°   | 997.4  | 31.7      |
| 70°-80°   | 469.9  | 14.9      |
| 80°-90°   | 60.3   | 1.9       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 3146.0 | 100.0     |
| 0°-180°   | 3146.0 | 100.0     |



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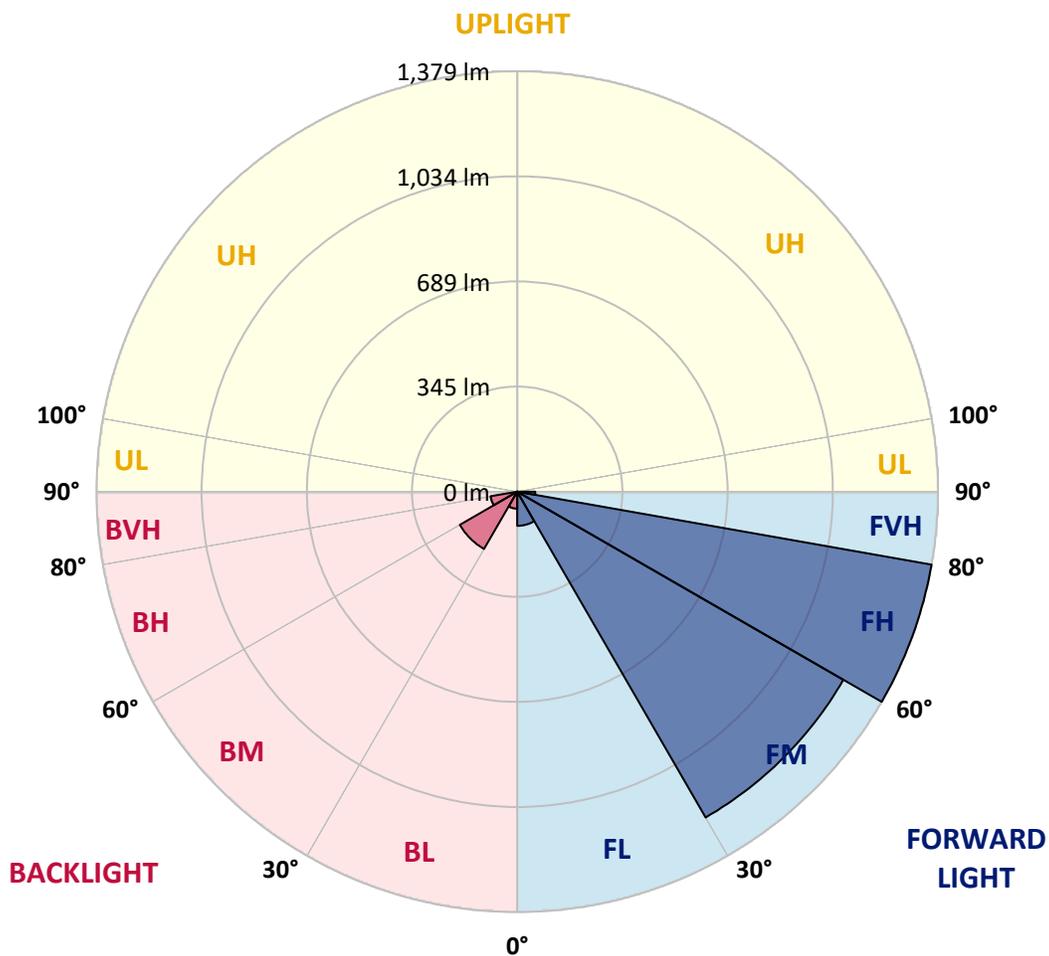
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 112.0  | 3.6       |                         |      |         |
| FM   | (30°-60°)   | 1233.8 | 39.2      |                         |      |         |
| FH   | (60°-80°)   | 1378.6 | 43.8      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 59.3   | 1.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 55.7   | 1.8       | B0/110                  |      |         |
| BM   | (30°-60°)   | 217.0  | 6.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 88.7   | 2.8       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.1    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 156.5  | 156.5  | 156.5  | 156.5  | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 |
| 2.5°  | 157.5  | 158.1  | 157.6  | 157.0  | 156.4 | 156.0 | 155.8 | 155.6 | 155.4 | 154.9 | 154.6 |
| 5°    | 157.0  | 155.0  | 153.4  | 152.3  | 151.2 | 150.3 | 149.3 | 148.2 | 147.1 | 146.3 | 145.0 |
| 7.5°  | 151.9  | 149.8  | 147.9  | 146.3  | 144.7 | 143.4 | 142.0 | 141.1 | 140.2 | 139.6 | 139.5 |
| 10°   | 152.5  | 149.9  | 146.6  | 144.1  | 141.5 | 139.9 | 138.3 | 136.8 | 135.4 | 134.0 | 134.3 |
| 12.5° | 163.7  | 157.4  | 150.5  | 145.4  | 140.3 | 137.7 | 135.1 | 133.5 | 131.9 | 130.8 | 130.2 |
| 15°   | 186.9  | 174.0  | 161.5  | 152.1  | 142.6 | 138.0 | 133.5 | 131.4 | 129.3 | 127.6 | 125.4 |
| 17.5° | 233.9  | 205.6  | 181.8  | 164.5  | 147.3 | 139.5 | 131.8 | 129.0 | 126.1 | 124.2 | 122.9 |
| 20°   | 294.5  | 251.3  | 212.5  | 184.2  | 155.8 | 143.3 | 130.8 | 127.0 | 123.1 | 121.2 | 119.3 |
| 22.5° | 365.8  | 313.5  | 258.9  | 215.6  | 172.4 | 152.0 | 131.6 | 125.6 | 119.6 | 116.9 | 113.9 |
| 25°   | 452.0  | 388.0  | 314.1  | 252.9  | 191.6 | 161.5 | 131.4 | 122.9 | 114.5 | 111.6 | 109.9 |
| 27.5° | 539.9  | 472.0  | 384.8  | 303.6  | 222.6 | 177.8 | 133.1 | 121.6 | 110.1 | 106.5 | 104.7 |
| 30°   | 644.8  | 568.1  | 463.4  | 360.6  | 257.8 | 197.5 | 137.1 | 121.4 | 105.7 | 101.2 | 99.5  |
| 32.5° | 754.8  | 673.5  | 551.2  | 424.3  | 297.4 | 219.6 | 141.8 | 122.2 | 102.5 | 97.7  | 94.6  |
| 35°   | 855.2  | 780.8  | 647.1  | 496.9  | 346.7 | 247.7 | 148.6 | 122.8 | 96.9  | 91.6  | 89.0  |
| 37.5° | 967.4  | 898.7  | 755.0  | 578.9  | 402.9 | 279.1 | 155.3 | 123.3 | 91.3  | 85.4  | 83.7  |
| 40°   | 1085.9 | 1028.0 | 869.6  | 663.9  | 458.2 | 309.9 | 161.7 | 124.2 | 86.8  | 80.4  | 78.3  |
| 42.5° | 1230.1 | 1165.5 | 984.8  | 746.3  | 507.8 | 337.6 | 167.4 | 125.8 | 84.3  | 74.2  | 73.2  |
| 45°   | 1490.7 | 1363.5 | 1124.0 | 836.8  | 549.8 | 361.1 | 172.5 | 128.9 | 85.3  | 68.9  | 67.1  |
| 47.5° | 1870.9 | 1658.6 | 1302.3 | 938.2  | 574.1 | 375.4 | 176.8 | 133.6 | 90.4  | 65.4  | 60.1  |
| 50°   | 2374.7 | 2005.6 | 1488.3 | 1035.4 | 582.5 | 381.8 | 181.0 | 140.5 | 100.0 | 68.9  | 58.2  |
| 52.5° | 2829.7 | 2254.3 | 1591.4 | 1077.2 | 563.0 | 371.2 | 179.5 | 144.8 | 110.1 | 80.6  | 61.5  |
| 55°   | 3119.7 | 2348.8 | 1592.0 | 1056.6 | 521.2 | 346.6 | 172.1 | 145.4 | 118.7 | 96.9  | 69.5  |
| 57.5° | 3220.6 | 2229.8 | 1444.9 | 951.7  | 458.4 | 312.3 | 166.2 | 140.7 | 115.2 | 103.3 | 75.9  |
| 60°   | 3019.3 | 1983.7 | 1194.0 | 770.8  | 347.6 | 259.1 | 170.6 | 136.5 | 102.4 | 92.9  | 74.4  |
| 62.5° | 2686.9 | 1689.7 | 965.1  | 611.4  | 257.8 | 206.3 | 154.9 | 121.5 | 88.2  | 73.7  | 66.5  |
| 65°   | 2297.6 | 1414.5 | 779.0  | 480.3  | 181.6 | 157.4 | 133.2 | 108.3 | 83.3  | 57.9  | 54.9  |
| 67.5° | 1968.6 | 1137.2 | 599.8  | 356.8  | 113.7 | 103.0 | 92.3  | 81.4  | 70.6  | 48.3  | 42.8  |
| 70°   | 1624.5 | 880.7  | 449.6  | 264.8  | 79.8  | 73.6  | 67.3  | 61.7  | 56.2  | 40.9  | 33.2  |
| 72.5° | 1238.1 | 607.5  | 296.6  | 176.0  | 55.4  | 50.9  | 46.5  | 43.6  | 40.7  | 33.6  | 25.7  |
| 75°   | 862.7  | 388.0  | 182.6  | 110.6  | 38.6  | 35.2  | 31.9  | 29.3  | 26.7  | 22.2  | 16.8  |
| 77.5° | 462.7  | 203.3  | 95.9   | 60.2   | 24.6  | 22.0  | 19.5  | 17.3  | 15.1  | 13.9  | 10.4  |
| 80°   | 136.2  | 61.7   | 33.0   | 24.1   | 15.2  | 13.5  | 11.7  | 10.0  | 8.3   | 7.7   | 5.3   |
| 82.5° | 41.1   | 18.8   | 11.7   | 10.0   | 8.3   | 7.3   | 6.3   | 5.1   | 3.8   | 3.2   | 2.2   |
| 85°   | 9.1    | 4.6    | 3.6    | 3.3    | 3.1   | 2.7   | 2.2   | 1.8   | 1.3   | 0.8   | 0.3   |
| 87.5° | 1.3    | 0.2    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 |
| 2.5°  | 154.8 | 155.0 | 154.8 | 154.4 | 154.0 | 153.5 | 153.9 | 154.3 | 153.8 | 153.4 | 153.5 |
| 5°    | 145.0 | 145.0 | 145.4 | 145.8 | 145.8 | 145.9 | 146.5 | 147.1 | 147.3 | 147.5 | 147.7 |
| 7.5°  | 138.5 | 137.7 | 137.7 | 137.7 | 137.8 | 137.9 | 138.3 | 138.6 | 139.1 | 139.5 | 140.7 |
| 10°   | 133.7 | 133.1 | 132.7 | 132.3 | 132.0 | 131.8 | 132.9 | 134.0 | 134.4 | 134.7 | 136.1 |
| 12.5° | 129.4 | 128.6 | 128.1 | 127.6 | 127.1 | 126.6 | 127.1 | 127.6 | 128.6 | 129.7 | 131.6 |
| 15°   | 124.9 | 124.4 | 123.8 | 123.2 | 122.7 | 122.2 | 122.6 | 123.1 | 123.6 | 124.2 | 126.1 |
| 17.5° | 121.6 | 120.4 | 119.4 | 118.3 | 117.4 | 116.4 | 116.0 | 115.6 | 117.4 | 119.1 | 120.7 |
| 20°   | 117.6 | 116.0 | 114.5 | 113.1 | 111.9 | 110.8 | 110.5 | 110.3 | 111.0 | 111.7 | 113.9 |
| 22.5° | 112.4 | 111.0 | 109.2 | 107.4 | 105.8 | 104.2 | 103.8 | 103.3 | 103.7 | 104.1 | 105.2 |
| 25°   | 107.8 | 105.7 | 103.8 | 101.9 | 100.2 | 98.5  | 97.2  | 95.9  | 95.9  | 96.0  | 96.6  |
| 27.5° | 102.7 | 100.8 | 98.8  | 96.8  | 94.8  | 92.9  | 91.2  | 89.4  | 88.8  | 88.1  | 87.5  |
| 30°   | 97.8  | 96.1  | 94.0  | 92.0  | 89.7  | 87.3  | 85.4  | 83.6  | 81.7  | 79.7  | 78.4  |
| 32.5° | 92.7  | 90.8  | 88.9  | 87.0  | 84.8  | 82.5  | 79.1  | 75.8  | 73.8  | 71.8  | 69.5  |
| 35°   | 87.4  | 85.7  | 83.6  | 81.6  | 79.0  | 76.5  | 73.4  | 70.2  | 66.8  | 63.4  | 60.0  |
| 37.5° | 82.5  | 81.2  | 79.0  | 76.8  | 73.6  | 70.5  | 67.2  | 63.8  | 59.1  | 54.4  | 50.4  |
| 40°   | 77.4  | 76.5  | 74.3  | 72.2  | 68.6  | 64.9  | 60.3  | 55.8  | 50.7  | 45.5  | 41.2  |
| 42.5° | 72.0  | 70.9  | 68.9  | 66.9  | 63.3  | 59.8  | 54.6  | 49.4  | 43.7  | 38.0  | 33.6  |
| 45°   | 66.1  | 65.0  | 63.7  | 62.4  | 58.3  | 54.4  | 48.3  | 42.2  | 36.8  | 31.5  | 27.7  |
| 47.5° | 59.5  | 58.8  | 58.5  | 58.1  | 53.8  | 49.6  | 43.2  | 36.8  | 31.8  | 26.7  | 23.1  |
| 50°   | 56.0  | 53.8  | 53.8  | 53.8  | 49.4  | 45.1  | 38.7  | 32.3  | 27.7  | 23.0  | 19.8  |
| 52.5° | 55.1  | 48.7  | 48.6  | 48.5  | 44.6  | 40.9  | 34.6  | 28.3  | 24.6  | 20.9  | 17.9  |
| 55°   | 57.0  | 44.6  | 43.5  | 42.3  | 38.9  | 35.5  | 30.3  | 25.1  | 21.8  | 18.4  | 15.7  |
| 57.5° | 59.2  | 42.3  | 39.1  | 35.9  | 33.1  | 30.2  | 25.7  | 21.4  | 18.6  | 15.8  | 13.1  |
| 60°   | 58.2  | 42.1  | 36.3  | 30.5  | 28.0  | 25.4  | 21.6  | 17.9  | 15.2  | 12.4  | 10.1  |
| 62.5° | 54.7  | 43.0  | 34.9  | 26.8  | 24.1  | 21.5  | 17.8  | 14.2  | 12.0  | 9.7   | 7.7   |
| 65°   | 48.5  | 42.1  | 33.3  | 24.6  | 21.3  | 18.0  | 14.9  | 11.7  | 9.3   | 6.9   | 5.1   |
| 67.5° | 38.2  | 33.5  | 27.6  | 21.6  | 18.1  | 14.5  | 11.5  | 8.5   | 6.5   | 4.4   | 2.9   |
| 70°   | 29.3  | 25.4  | 22.2  | 19.1  | 15.2  | 11.3  | 8.1   | 4.8   | 3.2   | 1.6   | 1.0   |
| 72.5° | 22.2  | 18.7  | 16.8  | 14.8  | 11.5  | 8.3   | 5.2   | 2.1   | 1.4   | 0.6   | 0.4   |
| 75°   | 14.2  | 11.6  | 10.6  | 9.6   | 7.7   | 5.8   | 3.7   | 1.6   | 1.0   | 0.4   | 0.2   |
| 77.5° | 9.0   | 7.5   | 7.2   | 6.8   | 5.7   | 4.5   | 2.8   | 1.1   | 0.6   | 0.3   | 0.1   |
| 80°   | 4.8   | 4.2   | 4.2   | 4.2   | 3.4   | 2.7   | 1.6   | 0.5   | 0.3   | 0.0   | 0.0   |
| 82.5° | 1.9   | 1.6   | 1.6   | 1.6   | 1.3   | 1.1   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.4   | 0.5   | 0.5   | 0.4   | 0.3   | 0.1   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 |
| 2.5°  | 153.5 | 153.0 | 152.5 | 151.9 | 151.2 | 151.1 | 151.2 | 151.9 | 152.5 | 153.0 | 153.5 |
| 5°    | 147.9 | 148.0 | 148.2 | 148.2 | 148.3 | 148.5 | 148.3 | 148.2 | 148.2 | 148.0 | 147.9 |
| 7.5°  | 141.8 | 142.4 | 143.0 | 143.7 | 144.4 | 145.8 | 144.4 | 143.7 | 143.0 | 142.4 | 141.8 |
| 10°   | 137.3 | 138.1 | 138.8 | 139.4 | 140.0 | 141.0 | 140.0 | 139.4 | 138.8 | 138.1 | 137.3 |
| 12.5° | 133.5 | 135.0 | 136.4 | 136.8 | 137.1 | 137.2 | 137.1 | 136.8 | 136.4 | 135.0 | 133.5 |
| 15°   | 128.1 | 129.7 | 131.4 | 132.2 | 133.0 | 133.5 | 133.0 | 132.2 | 131.4 | 129.7 | 128.1 |
| 17.5° | 122.4 | 124.2 | 125.9 | 127.4 | 129.0 | 129.8 | 129.0 | 127.4 | 125.9 | 124.2 | 122.4 |
| 20°   | 116.0 | 118.1 | 120.3 | 121.0 | 121.6 | 121.2 | 121.6 | 121.0 | 120.3 | 118.1 | 116.0 |
| 22.5° | 106.3 | 107.9 | 109.5 | 110.6 | 111.9 | 113.2 | 111.9 | 110.6 | 109.5 | 107.9 | 106.3 |
| 25°   | 97.2  | 97.8  | 98.4  | 99.1  | 99.8  | 100.4 | 99.8  | 99.1  | 98.4  | 97.8  | 97.2  |
| 27.5° | 86.9  | 86.8  | 86.6  | 86.5  | 86.4  | 86.0  | 86.4  | 86.5  | 86.6  | 86.8  | 86.9  |
| 30°   | 77.2  | 75.8  | 74.5  | 73.5  | 72.5  | 72.1  | 72.5  | 73.5  | 74.5  | 75.8  | 77.2  |
| 32.5° | 67.2  | 64.7  | 62.4  | 60.8  | 59.2  | 58.2  | 59.2  | 60.8  | 62.4  | 64.7  | 67.2  |
| 35°   | 56.6  | 53.4  | 50.2  | 48.4  | 46.6  | 45.9  | 46.6  | 48.4  | 50.2  | 53.4  | 56.6  |
| 37.5° | 46.5  | 43.2  | 39.9  | 38.0  | 36.2  | 35.2  | 36.2  | 38.0  | 39.9  | 43.2  | 46.5  |
| 40°   | 37.0  | 33.9  | 30.7  | 29.1  | 27.5  | 26.7  | 27.5  | 29.1  | 30.7  | 33.9  | 37.0  |
| 42.5° | 29.1  | 26.4  | 23.8  | 22.3  | 20.8  | 19.8  | 20.8  | 22.3  | 23.8  | 26.4  | 29.1  |
| 45°   | 23.8  | 21.3  | 18.7  | 17.6  | 16.4  | 16.0  | 16.4  | 17.6  | 18.7  | 21.3  | 23.8  |
| 47.5° | 19.5  | 17.1  | 14.8  | 13.8  | 12.7  | 12.3  | 12.7  | 13.8  | 14.8  | 17.1  | 19.5  |
| 50°   | 16.6  | 14.4  | 12.2  | 11.1  | 10.0  | 9.6   | 10.0  | 11.1  | 12.2  | 14.4  | 16.6  |
| 52.5° | 14.8  | 12.5  | 10.1  | 9.1   | 8.0   | 7.5   | 8.0   | 9.1   | 10.1  | 12.5  | 14.8  |
| 55°   | 12.9  | 10.5  | 8.0   | 6.9   | 5.8   | 5.3   | 5.8   | 6.9   | 8.0   | 10.5  | 12.9  |
| 57.5° | 10.6  | 8.2   | 5.9   | 4.9   | 4.0   | 3.7   | 4.0   | 4.9   | 5.9   | 8.2   | 10.6  |
| 60°   | 7.9   | 5.8   | 3.7   | 2.8   | 1.9   | 1.6   | 1.9   | 2.8   | 3.7   | 5.8   | 7.9   |
| 62.5° | 5.8   | 3.8   | 1.9   | 1.0   | 0.1   | 0.0   | 0.1   | 1.0   | 1.9   | 3.8   | 5.8   |
| 65°   | 3.3   | 2.0   | 0.6   | 0.3   | 0.0   | 0.0   | 0.0   | 0.3   | 0.6   | 2.0   | 3.3   |
| 67.5° | 1.3   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.6   | 1.3   |
| 70°   | 0.3   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.3   |
| 72.5° | 0.1   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 |
| 2.5°  | 153.5 | 153.4 | 153.8 | 154.3 | 153.9 | 153.5 | 154.0 | 154.4 | 154.8 | 155.0 | 154.8 |
| 5°    | 147.7 | 147.5 | 147.3 | 147.1 | 146.5 | 145.9 | 145.8 | 145.8 | 145.4 | 145.0 | 145.0 |
| 7.5°  | 140.7 | 139.5 | 139.1 | 138.6 | 138.3 | 137.9 | 137.8 | 137.7 | 137.7 | 137.7 | 138.5 |
| 10°   | 136.1 | 134.7 | 134.4 | 134.0 | 132.9 | 131.8 | 132.0 | 132.3 | 132.7 | 133.1 | 133.7 |
| 12.5° | 131.6 | 129.7 | 128.6 | 127.6 | 127.1 | 126.6 | 127.1 | 127.6 | 128.1 | 128.6 | 129.4 |
| 15°   | 126.1 | 124.2 | 123.6 | 123.1 | 122.6 | 122.2 | 122.7 | 123.2 | 123.8 | 124.4 | 124.9 |
| 17.5° | 120.7 | 119.1 | 117.4 | 115.6 | 116.0 | 116.4 | 117.4 | 118.3 | 119.4 | 120.4 | 121.6 |
| 20°   | 113.9 | 111.7 | 111.0 | 110.3 | 110.5 | 110.8 | 111.9 | 113.1 | 114.5 | 116.0 | 117.6 |
| 22.5° | 105.2 | 104.1 | 103.7 | 103.3 | 103.8 | 104.2 | 105.8 | 107.4 | 109.2 | 111.0 | 112.4 |
| 25°   | 96.6  | 96.0  | 95.9  | 95.9  | 97.2  | 98.5  | 100.2 | 101.9 | 103.8 | 105.7 | 107.8 |
| 27.5° | 87.5  | 88.1  | 88.8  | 89.4  | 91.2  | 92.9  | 94.8  | 96.8  | 98.8  | 100.8 | 102.7 |
| 30°   | 78.4  | 79.7  | 81.7  | 83.6  | 85.4  | 87.3  | 89.7  | 92.0  | 94.0  | 96.1  | 97.8  |
| 32.5° | 69.5  | 71.8  | 73.8  | 75.8  | 79.1  | 82.5  | 84.8  | 87.0  | 88.9  | 90.8  | 92.7  |
| 35°   | 60.0  | 63.4  | 66.8  | 70.2  | 73.4  | 76.5  | 79.0  | 81.6  | 83.6  | 85.7  | 87.4  |
| 37.5° | 50.4  | 54.4  | 59.1  | 63.8  | 67.2  | 70.5  | 73.6  | 76.8  | 79.0  | 81.2  | 82.5  |
| 40°   | 41.2  | 45.5  | 50.7  | 55.8  | 60.3  | 64.9  | 68.6  | 72.2  | 74.3  | 76.5  | 77.4  |
| 42.5° | 33.6  | 38.0  | 43.7  | 49.4  | 54.6  | 59.8  | 63.3  | 66.9  | 68.9  | 70.9  | 72.0  |
| 45°   | 27.7  | 31.5  | 36.8  | 42.2  | 48.3  | 54.4  | 58.3  | 62.4  | 63.7  | 65.0  | 66.1  |
| 47.5° | 23.1  | 26.7  | 31.8  | 36.8  | 43.2  | 49.6  | 53.8  | 58.1  | 58.5  | 58.8  | 59.5  |
| 50°   | 19.8  | 23.0  | 27.7  | 32.3  | 38.7  | 45.1  | 49.4  | 53.8  | 53.8  | 53.8  | 56.0  |
| 52.5° | 17.9  | 20.9  | 24.6  | 28.3  | 34.6  | 40.9  | 44.6  | 48.5  | 48.6  | 48.7  | 55.1  |
| 55°   | 15.7  | 18.4  | 21.8  | 25.1  | 30.3  | 35.5  | 38.9  | 42.3  | 43.5  | 44.6  | 57.0  |
| 57.5° | 13.1  | 15.8  | 18.6  | 21.4  | 25.7  | 30.2  | 33.1  | 35.9  | 39.1  | 42.3  | 59.2  |
| 60°   | 10.1  | 12.4  | 15.2  | 17.9  | 21.6  | 25.4  | 28.0  | 30.5  | 36.3  | 42.1  | 58.2  |
| 62.5° | 7.7   | 9.7   | 12.0  | 14.2  | 17.8  | 21.5  | 24.1  | 26.8  | 34.9  | 43.0  | 54.7  |
| 65°   | 5.1   | 6.9   | 9.3   | 11.7  | 14.9  | 18.0  | 21.3  | 24.6  | 33.3  | 42.1  | 48.5  |
| 67.5° | 2.9   | 4.4   | 6.5   | 8.5   | 11.5  | 14.5  | 18.1  | 21.6  | 27.6  | 33.5  | 38.2  |
| 70°   | 1.0   | 1.6   | 3.2   | 4.8   | 8.1   | 11.3  | 15.2  | 19.1  | 22.2  | 25.4  | 29.3  |
| 72.5° | 0.4   | 0.6   | 1.4   | 2.1   | 5.2   | 8.3   | 11.5  | 14.8  | 16.8  | 18.7  | 22.2  |
| 75°   | 0.2   | 0.4   | 1.0   | 1.6   | 3.7   | 5.8   | 7.7   | 9.6   | 10.6  | 11.6  | 14.2  |
| 77.5° | 0.1   | 0.3   | 0.6   | 1.1   | 2.8   | 4.5   | 5.7   | 6.8   | 7.2   | 7.5   | 9.0   |
| 80°   | 0.0   | 0.0   | 0.3   | 0.5   | 1.6   | 2.7   | 3.4   | 4.2   | 4.2   | 4.2   | 4.8   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.5   | 1.1   | 1.3   | 1.6   | 1.6   | 1.6   | 1.9   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.3   | 0.4   | 0.5   | 0.5   | 0.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°   | 260°   | 265°   | 270°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°    | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5  | 156.5  | 156.5  | 156.5  |
| 2.5°  | 154.6 | 154.9 | 155.4 | 155.6 | 155.8 | 156.0 | 156.4 | 157.0  | 157.6  | 158.1  | 157.5  |
| 5°    | 145.0 | 146.3 | 147.1 | 148.2 | 149.3 | 150.3 | 151.2 | 152.3  | 153.4  | 155.0  | 157.0  |
| 7.5°  | 139.5 | 139.6 | 140.2 | 141.1 | 142.0 | 143.4 | 144.7 | 146.3  | 147.9  | 149.8  | 151.9  |
| 10°   | 134.3 | 134.0 | 135.4 | 136.8 | 138.3 | 139.9 | 141.5 | 144.1  | 146.6  | 149.9  | 152.5  |
| 12.5° | 130.2 | 130.8 | 131.9 | 133.5 | 135.1 | 137.7 | 140.3 | 145.4  | 150.5  | 157.4  | 163.7  |
| 15°   | 125.4 | 127.6 | 129.3 | 131.4 | 133.5 | 138.0 | 142.6 | 152.1  | 161.5  | 174.0  | 186.9  |
| 17.5° | 122.9 | 124.2 | 126.1 | 129.0 | 131.8 | 139.5 | 147.3 | 164.5  | 181.8  | 205.6  | 233.9  |
| 20°   | 119.3 | 121.2 | 123.1 | 127.0 | 130.8 | 143.3 | 155.8 | 184.2  | 212.5  | 251.3  | 294.5  |
| 22.5° | 113.9 | 116.9 | 119.6 | 125.6 | 131.6 | 152.0 | 172.4 | 215.6  | 258.9  | 313.5  | 365.8  |
| 25°   | 109.9 | 111.6 | 114.5 | 122.9 | 131.4 | 161.5 | 191.6 | 252.9  | 314.1  | 388.0  | 452.0  |
| 27.5° | 104.7 | 106.5 | 110.1 | 121.6 | 133.1 | 177.8 | 222.6 | 303.6  | 384.8  | 472.0  | 539.9  |
| 30°   | 99.5  | 101.2 | 105.7 | 121.4 | 137.1 | 197.5 | 257.8 | 360.6  | 463.4  | 568.1  | 644.8  |
| 32.5° | 94.6  | 97.7  | 102.5 | 122.2 | 141.8 | 219.6 | 297.4 | 424.3  | 551.2  | 673.5  | 754.8  |
| 35°   | 89.0  | 91.6  | 96.9  | 122.8 | 148.6 | 247.7 | 346.7 | 496.9  | 647.1  | 780.8  | 855.2  |
| 37.5° | 83.7  | 85.4  | 91.3  | 123.3 | 155.3 | 279.1 | 402.9 | 578.9  | 755.0  | 898.7  | 967.4  |
| 40°   | 78.3  | 80.4  | 86.8  | 124.2 | 161.7 | 309.9 | 458.2 | 663.9  | 869.6  | 1028.0 | 1085.9 |
| 42.5° | 73.2  | 74.2  | 84.3  | 125.8 | 167.4 | 337.6 | 507.8 | 746.3  | 984.8  | 1165.5 | 1230.1 |
| 45°   | 67.1  | 68.9  | 85.3  | 128.9 | 172.5 | 361.1 | 549.8 | 836.8  | 1124.0 | 1363.5 | 1490.7 |
| 47.5° | 60.1  | 65.4  | 90.4  | 133.6 | 176.8 | 375.4 | 574.1 | 938.2  | 1302.3 | 1658.6 | 1870.9 |
| 50°   | 58.2  | 68.9  | 100.0 | 140.5 | 181.0 | 381.8 | 582.5 | 1035.4 | 1488.3 | 2005.6 | 2374.7 |
| 52.5° | 61.5  | 80.6  | 110.1 | 144.8 | 179.5 | 371.2 | 563.0 | 1077.2 | 1591.4 | 2254.3 | 2829.7 |
| 55°   | 69.5  | 96.9  | 118.7 | 145.4 | 172.1 | 346.6 | 521.2 | 1056.6 | 1592.0 | 2348.8 | 3119.7 |
| 57.5° | 75.9  | 103.3 | 115.2 | 140.7 | 166.2 | 312.3 | 458.4 | 951.7  | 1444.9 | 2229.8 | 3220.6 |
| 60°   | 74.4  | 92.9  | 102.4 | 136.5 | 170.6 | 259.1 | 347.6 | 770.8  | 1194.0 | 1983.7 | 3019.3 |
| 62.5° | 66.5  | 73.7  | 88.2  | 121.5 | 154.9 | 206.3 | 257.8 | 611.4  | 965.1  | 1689.7 | 2686.9 |
| 65°   | 54.9  | 57.9  | 83.3  | 108.3 | 133.2 | 157.4 | 181.6 | 480.3  | 779.0  | 1414.5 | 2297.6 |
| 67.5° | 42.8  | 48.3  | 70.6  | 81.4  | 92.3  | 103.0 | 113.7 | 356.8  | 599.8  | 1137.2 | 1968.6 |
| 70°   | 33.2  | 40.9  | 56.2  | 61.7  | 67.3  | 73.6  | 79.8  | 264.8  | 449.6  | 880.7  | 1624.5 |
| 72.5° | 25.7  | 33.6  | 40.7  | 43.6  | 46.5  | 50.9  | 55.4  | 176.0  | 296.6  | 607.5  | 1238.1 |
| 75°   | 16.8  | 22.2  | 26.7  | 29.3  | 31.9  | 35.2  | 38.6  | 110.6  | 182.6  | 388.0  | 862.7  |
| 77.5° | 10.4  | 13.9  | 15.1  | 17.3  | 19.5  | 22.0  | 24.6  | 60.2   | 95.9   | 203.3  | 462.7  |
| 80°   | 5.3   | 7.7   | 8.3   | 10.0  | 11.7  | 13.5  | 15.2  | 24.1   | 33.0   | 61.7   | 136.2  |
| 82.5° | 2.2   | 3.2   | 3.8   | 5.1   | 6.3   | 7.3   | 8.3   | 10.0   | 11.7   | 18.8   | 41.1   |
| 85°   | 0.3   | 0.8   | 1.3   | 1.8   | 2.2   | 2.7   | 3.1   | 3.3    | 3.6    | 4.6    | 9.1    |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.2    | 1.3    |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 156.5  | 156.5  | 156.5  | 156.5  | 156.5  | 156.5  | 156.5  | 156.5  | 156.5  | 156.5  | 156.5  |
| 2.5°  | 158.0  | 158.5  | 159.2  | 159.9  | 160.3  | 160.6  | 160.8  | 161.0  | 159.7  | 161.0  | 160.8  |
| 5°    | 158.3  | 159.7  | 161.3  | 162.9  | 163.7  | 164.6  | 165.0  | 165.4  | 166.6  | 165.4  | 165.0  |
| 7.5°  | 155.3  | 158.7  | 161.8  | 164.9  | 167.3  | 169.7  | 171.7  | 173.8  | 175.2  | 173.8  | 171.7  |
| 10°   | 158.7  | 164.9  | 170.9  | 177.0  | 181.7  | 186.4  | 189.5  | 192.7  | 194.4  | 192.7  | 189.5  |
| 12.5° | 173.8  | 183.8  | 194.0  | 204.1  | 213.7  | 223.2  | 229.6  | 235.9  | 240.3  | 235.9  | 229.6  |
| 15°   | 205.9  | 224.8  | 242.5  | 260.3  | 275.1  | 290.0  | 297.8  | 305.7  | 306.5  | 305.7  | 297.8  |
| 17.5° | 261.6  | 289.3  | 312.9  | 336.4  | 352.2  | 367.9  | 375.5  | 383.0  | 385.0  | 383.0  | 375.5  |
| 20°   | 329.4  | 364.2  | 386.4  | 408.6  | 419.2  | 429.8  | 433.7  | 437.7  | 435.2  | 437.7  | 433.7  |
| 22.5° | 402.8  | 439.8  | 455.0  | 470.2  | 469.2  | 468.2  | 464.9  | 461.6  | 456.0  | 461.6  | 464.9  |
| 25°   | 482.7  | 513.5  | 510.2  | 507.0  | 494.0  | 481.0  | 470.0  | 459.0  | 453.9  | 459.0  | 470.0  |
| 27.5° | 556.5  | 573.1  | 550.4  | 527.6  | 502.8  | 478.0  | 463.4  | 448.6  | 439.5  | 448.6  | 463.4  |
| 30°   | 634.1  | 623.3  | 582.8  | 542.3  | 510.9  | 479.5  | 462.1  | 444.7  | 434.2  | 444.7  | 462.1  |
| 32.5° | 716.9  | 679.0  | 621.3  | 563.5  | 527.0  | 490.5  | 470.4  | 450.2  | 437.4  | 450.2  | 470.4  |
| 35°   | 793.1  | 731.0  | 657.8  | 584.6  | 545.3  | 506.1  | 482.9  | 459.7  | 449.6  | 459.7  | 482.9  |
| 37.5° | 873.7  | 780.1  | 691.3  | 602.6  | 559.7  | 516.9  | 495.6  | 474.3  | 463.5  | 474.3  | 495.6  |
| 40°   | 962.8  | 839.7  | 736.1  | 632.4  | 594.7  | 557.0  | 543.0  | 529.0  | 526.0  | 529.0  | 543.0  |
| 42.5° | 1078.9 | 927.7  | 816.8  | 706.0  | 688.1  | 670.3  | 675.0  | 679.7  | 699.0  | 679.7  | 675.0  |
| 45°   | 1306.0 | 1121.3 | 996.1  | 871.0  | 877.6  | 884.2  | 920.6  | 957.0  | 978.3  | 957.0  | 920.6  |
| 47.5° | 1670.1 | 1469.2 | 1309.4 | 1149.7 | 1194.2 | 1238.6 | 1327.0 | 1415.3 | 1434.4 | 1415.3 | 1327.0 |
| 50°   | 2161.2 | 1947.6 | 1748.3 | 1548.9 | 1642.6 | 1736.3 | 1905.2 | 2074.0 | 2101.9 | 2074.0 | 1905.2 |
| 52.5° | 2665.0 | 2500.3 | 2267.1 | 2033.8 | 2192.9 | 2352.0 | 2599.9 | 2847.8 | 2923.7 | 2847.8 | 2599.9 |
| 55°   | 3173.5 | 3227.3 | 2982.4 | 2737.6 | 2931.7 | 3125.7 | 3452.3 | 3778.9 | 3924.4 | 3778.9 | 3452.3 |
| 57.5° | 3538.7 | 3856.7 | 3685.3 | 3513.8 | 3714.0 | 3914.3 | 4317.9 | 4721.5 | 4951.3 | 4721.5 | 4317.9 |
| 60°   | 3474.5 | 3929.7 | 3916.2 | 3902.8 | 4174.6 | 4446.3 | 4893.9 | 5341.5 | 5501.9 | 5341.5 | 4893.9 |
| 62.5° | 3062.3 | 3437.7 | 3505.9 | 3574.1 | 3957.0 | 4339.8 | 4757.8 | 5175.8 | 5340.1 | 5175.8 | 4757.8 |
| 65°   | 2633.4 | 2969.2 | 3022.0 | 3074.7 | 3483.5 | 3892.3 | 4269.8 | 4647.4 | 4703.0 | 4647.4 | 4269.8 |
| 67.5° | 2308.5 | 2648.4 | 2681.6 | 2714.8 | 3062.5 | 3410.3 | 3690.2 | 3970.2 | 3901.5 | 3970.2 | 3690.2 |
| 70°   | 1983.9 | 2343.3 | 2398.3 | 2453.2 | 2699.4 | 2945.6 | 3109.2 | 3272.8 | 3190.2 | 3272.8 | 3109.2 |
| 72.5° | 1602.1 | 1966.2 | 2017.0 | 2067.7 | 2238.6 | 2409.6 | 2490.5 | 2571.4 | 2408.4 | 2571.4 | 2490.5 |
| 75°   | 1175.6 | 1488.4 | 1555.0 | 1621.7 | 1741.5 | 1861.5 | 1894.0 | 1926.6 | 1776.1 | 1926.6 | 1894.0 |
| 77.5° | 672.4  | 882.2  | 1000.3 | 1118.3 | 1248.3 | 1378.3 | 1393.8 | 1409.3 | 1309.4 | 1409.3 | 1393.8 |
| 80°   | 232.3  | 328.4  | 467.2  | 606.0  | 762.1  | 918.4  | 925.9  | 933.4  | 859.2  | 933.4  | 925.9  |
| 82.5° | 82.8   | 124.5  | 221.1  | 317.6  | 431.2  | 544.7  | 534.0  | 523.3  | 448.0  | 523.3  | 534.0  |
| 85°   | 28.8   | 48.6   | 107.3  | 166.1  | 217.9  | 269.8  | 248.7  | 227.6  | 184.8  | 227.6  | 248.7  |
| 87.5° | 8.0    | 14.5   | 38.2   | 61.9   | 74.8   | 87.6   | 71.5   | 55.4   | 50.2   | 55.4   | 71.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 156.5  | 156.5  | 156.5  | 156.5  | 156.5  | 156.5  | 156.5  |
| 2.5°  | 160.6  | 160.3  | 159.9  | 159.2  | 158.5  | 158.0  | 157.5  |
| 5°    | 164.6  | 163.7  | 162.9  | 161.3  | 159.7  | 158.3  | 157.0  |
| 7.5°  | 169.7  | 167.3  | 164.9  | 161.8  | 158.7  | 155.3  | 151.9  |
| 10°   | 186.4  | 181.7  | 177.0  | 170.9  | 164.9  | 158.7  | 152.5  |
| 12.5° | 223.2  | 213.7  | 204.1  | 194.0  | 183.8  | 173.8  | 163.7  |
| 15°   | 290.0  | 275.1  | 260.3  | 242.5  | 224.8  | 205.9  | 186.9  |
| 17.5° | 367.9  | 352.2  | 336.4  | 312.9  | 289.3  | 261.6  | 233.9  |
| 20°   | 429.8  | 419.2  | 408.6  | 386.4  | 364.2  | 329.4  | 294.5  |
| 22.5° | 468.2  | 469.2  | 470.2  | 455.0  | 439.8  | 402.8  | 365.8  |
| 25°   | 481.0  | 494.0  | 507.0  | 510.2  | 513.5  | 482.7  | 452.0  |
| 27.5° | 478.0  | 502.8  | 527.6  | 550.4  | 573.1  | 556.5  | 539.9  |
| 30°   | 479.5  | 510.9  | 542.3  | 582.8  | 623.3  | 634.1  | 644.8  |
| 32.5° | 490.5  | 527.0  | 563.5  | 621.3  | 679.0  | 716.9  | 754.8  |
| 35°   | 506.1  | 545.3  | 584.6  | 657.8  | 731.0  | 793.1  | 855.2  |
| 37.5° | 516.9  | 559.7  | 602.6  | 691.3  | 780.1  | 873.7  | 967.4  |
| 40°   | 557.0  | 594.7  | 632.4  | 736.1  | 839.7  | 962.8  | 1085.9 |
| 42.5° | 670.3  | 688.1  | 706.0  | 816.8  | 927.7  | 1078.9 | 1230.1 |
| 45°   | 884.2  | 877.6  | 871.0  | 996.1  | 1121.3 | 1306.0 | 1490.7 |
| 47.5° | 1238.6 | 1194.2 | 1149.7 | 1309.4 | 1469.2 | 1670.1 | 1870.9 |
| 50°   | 1736.3 | 1642.6 | 1548.9 | 1748.3 | 1947.6 | 2161.2 | 2374.7 |
| 52.5° | 2352.0 | 2192.9 | 2033.8 | 2267.1 | 2500.3 | 2665.0 | 2829.7 |
| 55°   | 3125.7 | 2931.7 | 2737.6 | 2982.4 | 3227.3 | 3173.5 | 3119.7 |
| 57.5° | 3914.3 | 3714.0 | 3513.8 | 3685.3 | 3856.7 | 3538.7 | 3220.6 |
| 60°   | 4446.3 | 4174.6 | 3902.8 | 3916.2 | 3929.7 | 3474.5 | 3019.3 |
| 62.5° | 4339.8 | 3957.0 | 3574.1 | 3505.9 | 3437.7 | 3062.3 | 2686.9 |
| 65°   | 3892.3 | 3483.5 | 3074.7 | 3022.0 | 2969.2 | 2633.4 | 2297.6 |
| 67.5° | 3410.3 | 3062.5 | 2714.8 | 2681.6 | 2648.4 | 2308.5 | 1968.6 |
| 70°   | 2945.6 | 2699.4 | 2453.2 | 2398.3 | 2343.3 | 1983.9 | 1624.5 |
| 72.5° | 2409.6 | 2238.6 | 2067.7 | 2017.0 | 1966.2 | 1602.1 | 1238.1 |
| 75°   | 1861.5 | 1741.5 | 1621.7 | 1555.0 | 1488.4 | 1175.6 | 862.7  |
| 77.5° | 1378.3 | 1248.3 | 1118.3 | 1000.3 | 882.2  | 672.4  | 462.7  |
| 80°   | 918.4  | 762.1  | 606.0  | 467.2  | 328.4  | 232.3  | 136.2  |
| 82.5° | 544.7  | 431.2  | 317.6  | 221.1  | 124.5  | 82.8   | 41.1   |
| 85°   | 269.8  | 217.9  | 166.1  | 107.3  | 48.6   | 28.8   | 9.1    |
| 87.5° | 87.6   | 74.8   | 61.9   | 38.2   | 14.5   | 8.0    | 1.3    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)