

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: P1207815

Luminaire Tested: UPW-SA1-030-730-U-T3R-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207815  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-730-U-T3R-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3485 lumens  
Efficiency: N/A  
Efficacy: 102.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

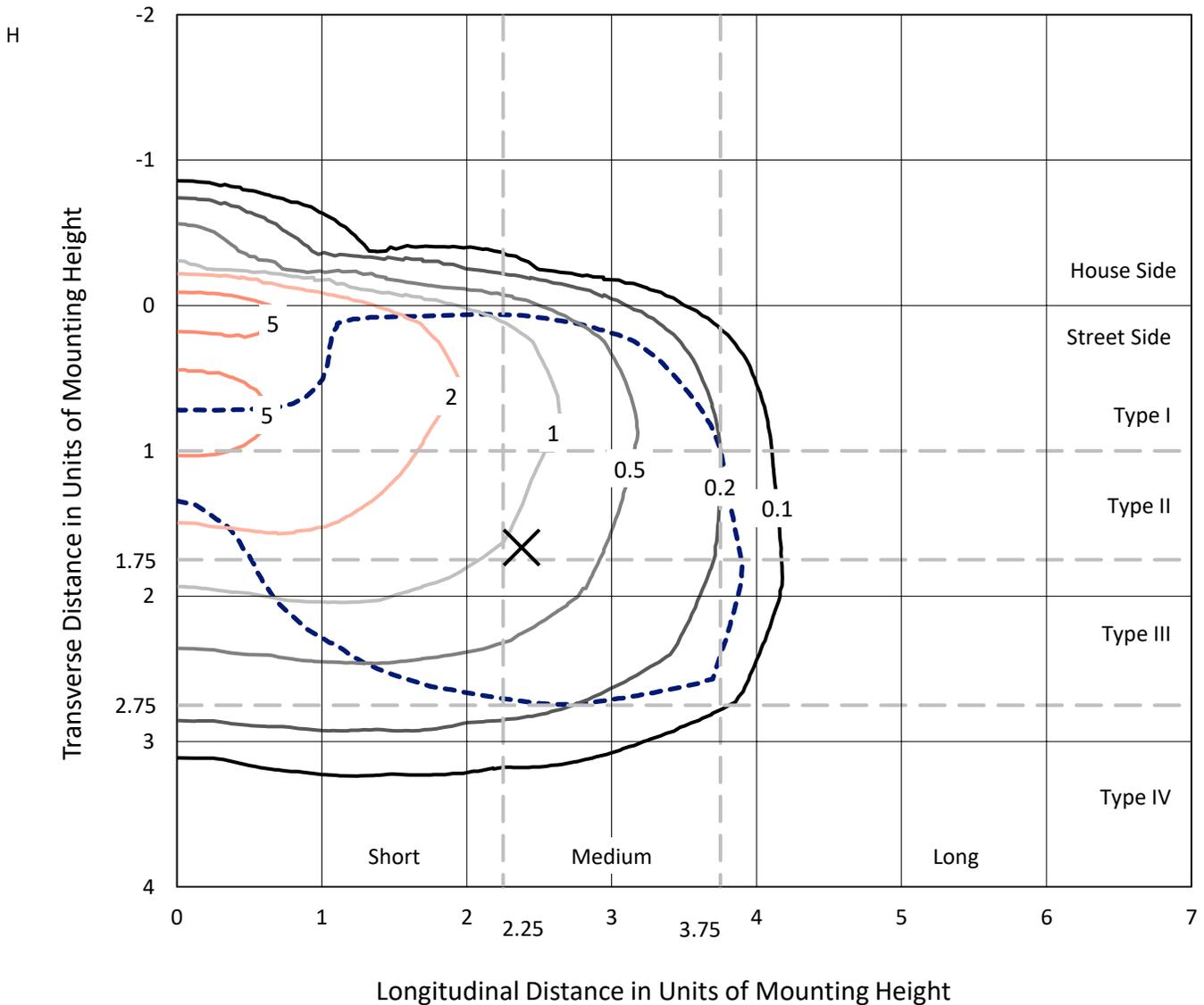
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

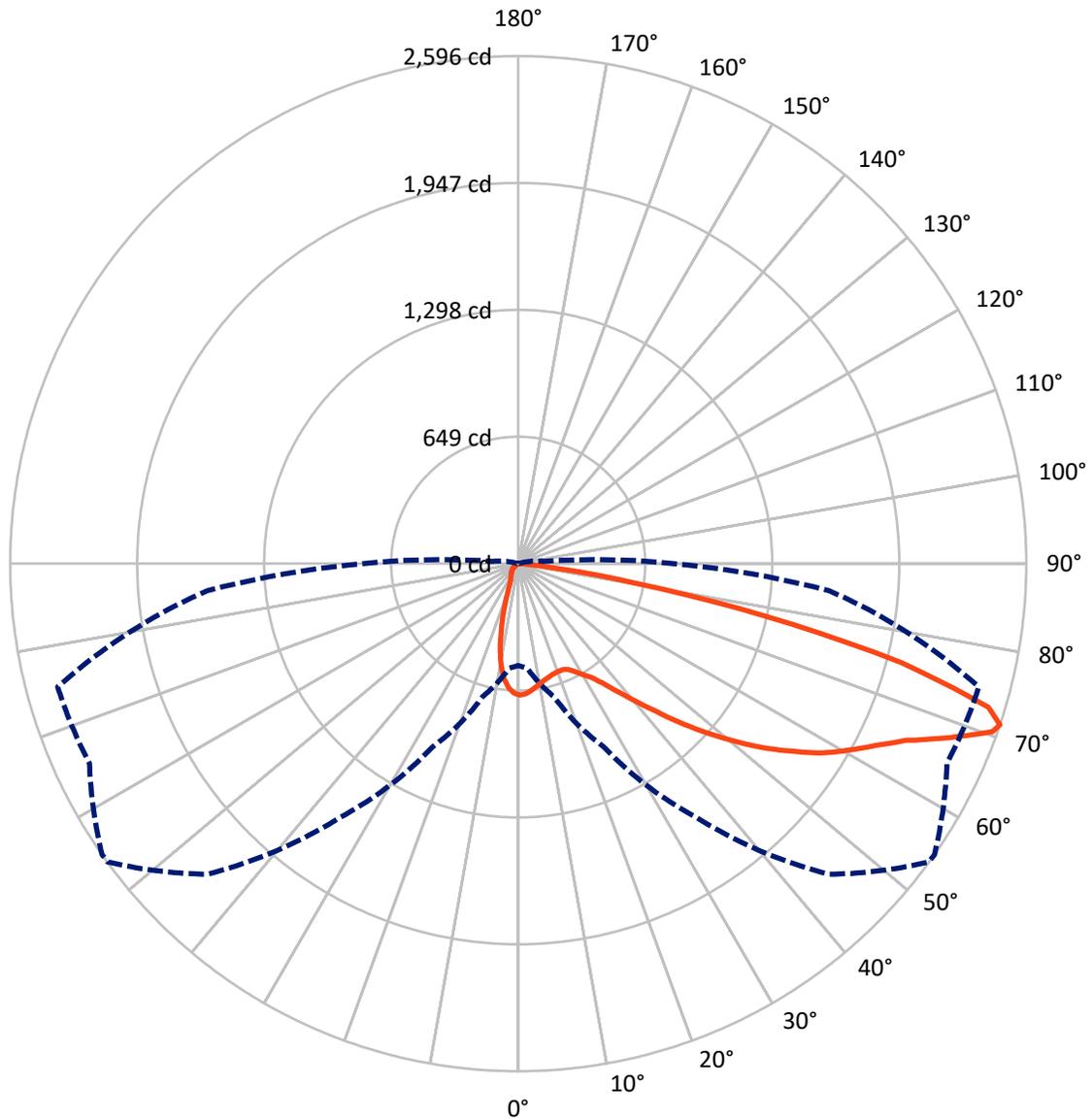
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

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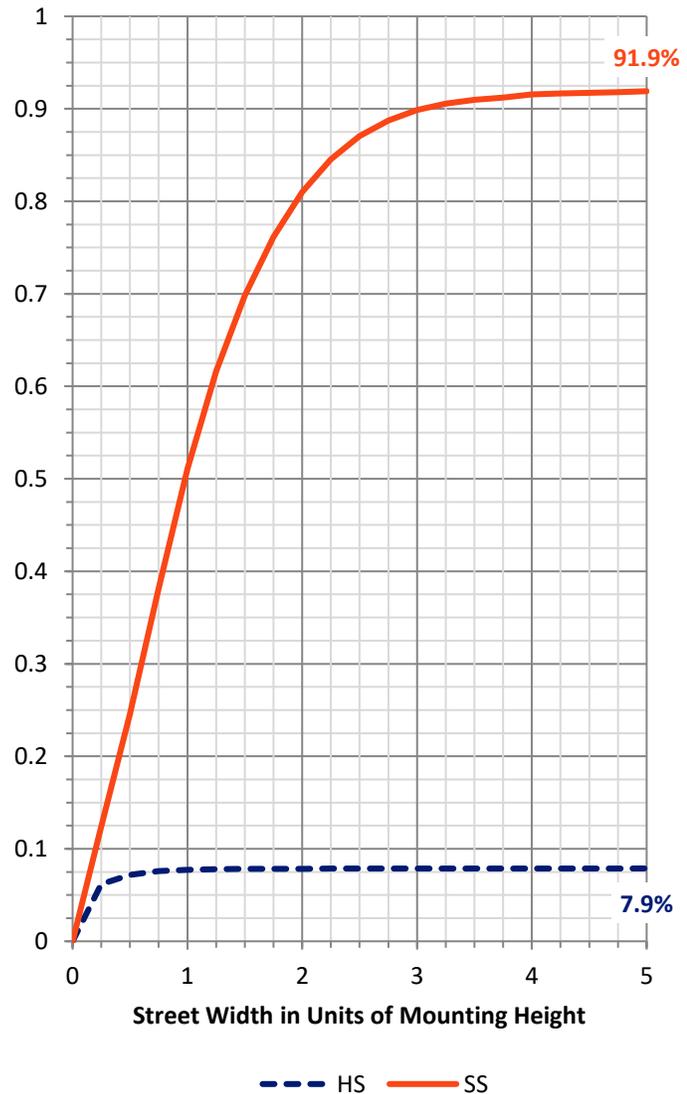
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 275.9    | 0.0    | 275.9  |
|                    | % Fixture | 7.9      | 0.0    | 7.9    |
| <b>Street Side</b> | Lumens    | 3209.1   | 0.0    | 3209.1 |
|                    | % Fixture | 92.1     | 0.0    | 92.1   |
| <b>Total</b>       | Lumens    | 3485.0   | 0.0    | 3485.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 57.3   | 1.6       |
| 10°-20°   | 129.4  | 3.7       |
| 20°-30°   | 207.9  | 6.0       |
| 30°-40°   | 353.2  | 10.1      |
| 40°-50°   | 548.3  | 15.7      |
| 50°-60°   | 737.1  | 21.2      |
| 60°-70°   | 901.8  | 25.9      |
| 70°-80°   | 527.2  | 15.1      |
| 80°-90°   | 22.8   | 0.7       |
| 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°    | 3485.0 | 100.0     |
| 0°-180°   | 3485.0 | 100.0     |



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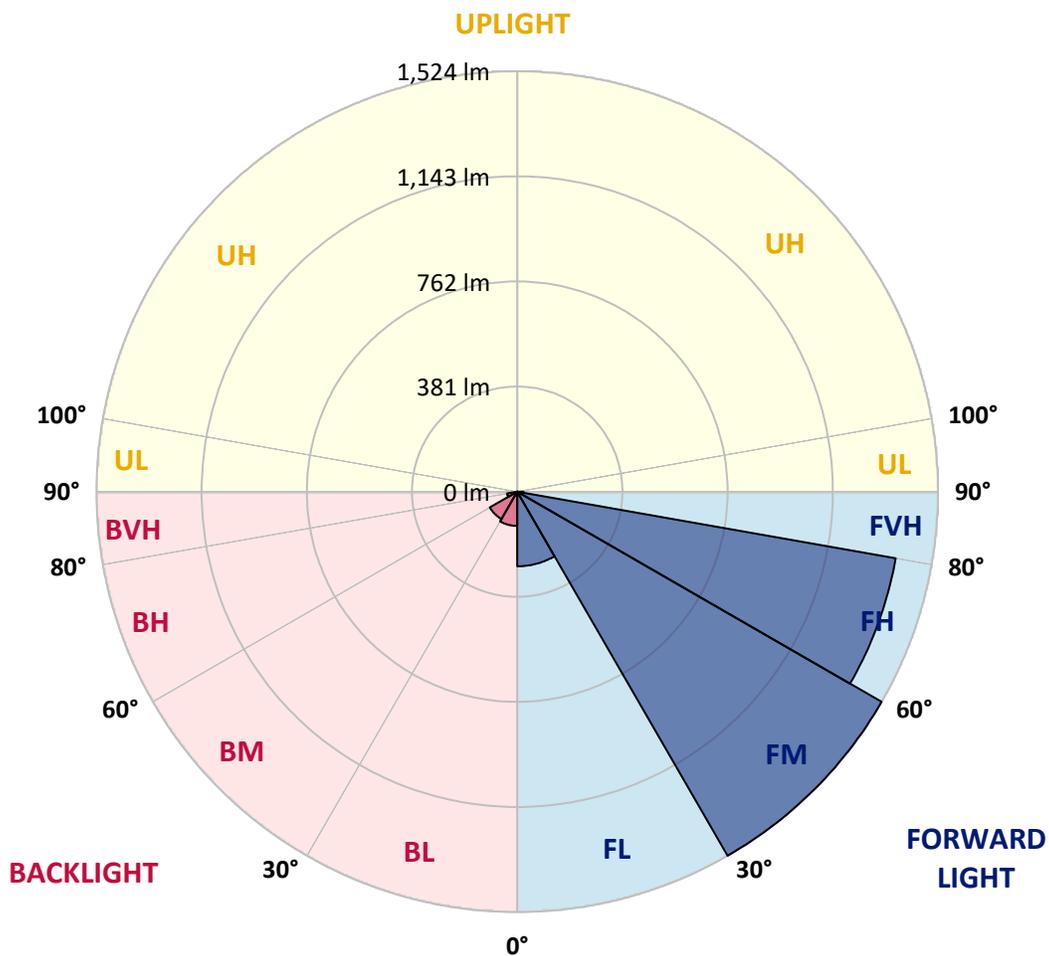
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 270.4  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 1524.2 | 43.7      |                         |      |         |
| FH   | (60°-80°)   | 1392.0 | 39.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 22.4   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 124.2  | 3.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 114.4  | 3.3       | B0/220                  |      |         |
| BH   | (60°-80°)   | 37.0   | 1.1       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.4    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 54°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 672.1  | 672.1  | 672.1  | 672.1  | 672.1  | 672.1  | 672.1  | 672.1  | 672.1  | 672.1  | 672.1  |
| 2.5°  | 652.4  | 653.2  | 656.0  | 657.2  | 660.2  | 665.2  | 667.7  | 667.9  | 671.9  | 673.5  | 674.8  |
| 5°    | 606.2  | 610.9  | 615.6  | 620.6  | 629.7  | 641.7  | 653.6  | 654.7  | 667.9  | 677.6  | 682.7  |
| 7.5°  | 566.5  | 570.7  | 576.3  | 584.3  | 597.1  | 616.1  | 635.9  | 638.3  | 663.2  | 685.2  | 696.8  |
| 10°   | 525.6  | 529.1  | 537.2  | 548.9  | 566.6  | 592.0  | 618.7  | 622.6  | 659.0  | 695.6  | 715.9  |
| 12.5° | 482.0  | 484.0  | 493.9  | 510.8  | 536.7  | 569.0  | 604.2  | 609.3  | 656.3  | 707.5  | 738.4  |
| 15°   | 448.8  | 449.7  | 459.1  | 476.6  | 506.4  | 548.3  | 592.9  | 599.2  | 656.9  | 721.7  | 763.0  |
| 17.5° | 440.3  | 440.8  | 445.8  | 457.9  | 484.2  | 529.9  | 584.0  | 591.7  | 658.8  | 735.6  | 787.7  |
| 20°   | 474.6  | 471.3  | 466.2  | 464.3  | 475.6  | 518.7  | 578.7  | 587.3  | 661.3  | 748.0  | 810.0  |
| 22.5° | 568.7  | 559.0  | 537.5  | 508.9  | 491.5  | 519.5  | 580.1  | 588.7  | 669.3  | 763.2  | 835.6  |
| 25°   | 708.2  | 694.8  | 658.3  | 602.0  | 547.8  | 542.1  | 591.8  | 600.6  | 684.8  | 781.3  | 860.2  |
| 27.5° | 867.1  | 853.8  | 809.2  | 728.7  | 636.4  | 586.7  | 618.7  | 626.9  | 707.8  | 797.4  | 879.0  |
| 30°   | 1019.2 | 1015.4 | 962.8  | 871.5  | 747.8  | 659.0  | 653.5  | 660.4  | 724.8  | 807.1  | 893.8  |
| 32.5° | 1148.1 | 1142.2 | 1099.9 | 1011.0 | 875.4  | 745.8  | 694.3  | 696.3  | 737.7  | 819.7  | 913.2  |
| 35°   | 1267.7 | 1260.3 | 1223.2 | 1139.2 | 1006.2 | 851.9  | 757.2  | 754.2  | 765.7  | 844.9  | 941.4  |
| 37.5° | 1372.0 | 1378.8 | 1337.6 | 1257.7 | 1123.5 | 962.2  | 842.0  | 833.1  | 809.5  | 885.9  | 982.2  |
| 40°   | 1459.4 | 1459.4 | 1437.9 | 1371.3 | 1250.3 | 1076.3 | 938.0  | 926.2  | 875.4  | 949.1  | 1034.0 |
| 42.5° | 1490.8 | 1497.5 | 1505.5 | 1467.8 | 1363.7 | 1194.9 | 1044.8 | 1032.6 | 968.2  | 1038.7 | 1099.4 |
| 45°   | 1492.7 | 1503.3 | 1544.2 | 1544.0 | 1466.2 | 1312.7 | 1165.3 | 1159.5 | 1087.1 | 1153.9 | 1180.5 |
| 47.5° | 1466.2 | 1479.5 | 1546.8 | 1585.0 | 1547.5 | 1422.4 | 1297.1 | 1289.9 | 1226.8 | 1295.1 | 1265.3 |
| 50°   | 1425.4 | 1440.1 | 1518.4 | 1601.1 | 1602.7 | 1517.9 | 1435.9 | 1425.1 | 1380.7 | 1456.4 | 1353.0 |
| 52.5° | 1352.3 | 1380.8 | 1492.8 | 1604.9 | 1639.0 | 1600.4 | 1568.0 | 1563.3 | 1552.8 | 1611.8 | 1422.7 |
| 55°   | 1196.0 | 1227.6 | 1428.8 | 1606.1 | 1672.6 | 1673.4 | 1691.7 | 1693.0 | 1714.1 | 1757.0 | 1474.7 |
| 57.5° | 1122.1 | 1140.0 | 1317.1 | 1612.1 | 1722.6 | 1756.4 | 1817.9 | 1827.6 | 1860.3 | 1894.9 | 1534.0 |
| 60°   | 1075.7 | 1096.8 | 1262.0 | 1604.0 | 1801.0 | 1865.1 | 1934.8 | 1938.0 | 1973.1 | 2037.1 | 1614.3 |
| 62.5° | 1038.6 | 1059.4 | 1227.3 | 1572.7 | 1889.1 | 1995.9 | 2049.0 | 2049.3 | 2075.6 | 2206.6 | 1705.5 |
| 65°   | 947.0  | 964.6  | 1157.0 | 1537.4 | 1947.3 | 2125.4 | 2181.7 | 2179.7 | 2201.1 | 2385.3 | 1811.4 |
| 67.5° | 814.7  | 828.1  | 1013.5 | 1404.0 | 1925.4 | 2243.0 | 2382.0 | 2375.3 | 2349.3 | 2539.7 | 1853.1 |
| 70°   | 629.8  | 634.7  | 798.8  | 1170.0 | 1720.1 | 2288.3 | 2575.6 | 2572.1 | 2440.2 | 2512.0 | 1700.5 |
| 71°   | 520.6  | 536.6  | 704.0  | 1032.6 | 1582.5 | 2246.5 | 2594.3 | 2596.4 | 2417.4 | 2436.6 | 1595.5 |
| 72.5° | 302.3  | 315.9  | 510.3  | 793.1  | 1343.6 | 2072.1 | 2497.0 | 2511.7 | 2310.6 | 2216.3 | 1362.8 |
| 75°   | 64.8   | 69.3   | 189.2  | 383.9  | 739.1  | 1452.3 | 1970.9 | 2023.3 | 1883.3 | 1507.7 | 821.4  |
| 77.5° | 45.1   | 48.7   | 81.1   | 174.2  | 244.3  | 717.6  | 1224.3 | 1283.5 | 1125.1 | 566.6  | 262.9  |
| 80°   | 35.7   | 39.7   | 63.2   | 86.1   | 66.0   | 231.4  | 573.5  | 609.7  | 375.2  | 126.4  | 44.3   |
| 82.5° | 19.9   | 23.6   | 49.3   | 46.5   | 25.4   | 44.0   | 160.6  | 181.5  | 75.1   | 25.5   | 10.5   |
| 85°   | 5.8    | 7.0    | 31.8   | 33.8   | 10.8   | 8.5    | 27.4   | 34.0   | 14.2   | 6.7    | 4.7    |
| 87.5° | 0.0    | 0.0    | 15.3   | 13.0   | 3.1    | 1.3    | 2.5    | 2.8    | 2.8    | 2.8    | 3.1    |
| 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):**

|       | 90°    | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 672.1  | 672.1 | 672.1 | 672.1 | 672.1 | 672.1 | 672.1 | 672.1 | 672.1 | 672.1 | 672.1 |
| 2.5°  | 674.8  | 675.9 | 671.9 | 666.8 | 661.3 | 654.6 | 647.5 | 642.1 | 641.9 | 639.2 | 636.6 |
| 5°    | 683.0  | 682.4 | 671.6 | 655.2 | 635.8 | 615.6 | 596.4 | 574.6 | 567.4 | 558.5 | 555.5 |
| 7.5°  | 698.4  | 694.0 | 671.2 | 635.2 | 592.6 | 550.4 | 506.7 | 462.7 | 443.9 | 427.0 | 424.1 |
| 10°   | 717.6  | 709.3 | 668.2 | 605.1 | 527.0 | 449.1 | 383.2 | 323.5 | 297.2 | 277.0 | 276.0 |
| 12.5° | 737.7  | 725.0 | 659.9 | 559.7 | 441.1 | 331.6 | 255.7 | 196.9 | 174.9 | 160.9 | 162.1 |
| 15°   | 758.6  | 739.7 | 642.1 | 498.6 | 343.3 | 225.0 | 157.1 | 122.5 | 113.8 | 110.2 | 111.1 |
| 17.5° | 780.1  | 749.9 | 617.2 | 424.9 | 246.8 | 145.2 | 108.8 | 99.1  | 99.1  | 99.8  | 100.1 |
| 20°   | 798.7  | 755.3 | 580.6 | 342.2 | 167.3 | 105.8 | 95.1  | 93.7  | 94.5  | 95.8  | 95.9  |
| 22.5° | 817.2  | 755.7 | 532.8 | 258.5 | 117.0 | 92.6  | 90.6  | 90.0  | 90.4  | 91.9  | 92.0  |
| 25°   | 832.2  | 751.9 | 473.0 | 183.9 | 93.4  | 87.3  | 86.4  | 86.1  | 86.4  | 88.1  | 88.1  |
| 27.5° | 838.3  | 738.3 | 400.1 | 129.3 | 83.7  | 81.4  | 81.1  | 81.4  | 81.8  | 83.1  | 83.2  |
| 30°   | 838.9  | 714.5 | 320.6 | 93.6  | 75.9  | 73.4  | 74.0  | 75.1  | 74.6  | 74.3  | 74.6  |
| 32.5° | 840.5  | 687.0 | 243.2 | 77.0  | 69.3  | 65.4  | 64.6  | 64.6  | 62.7  | 61.7  | 61.0  |
| 35°   | 845.6  | 654.6 | 176.4 | 69.2  | 62.6  | 58.1  | 55.1  | 51.6  | 48.0  | 46.2  | 45.7  |
| 37.5° | 853.8  | 620.6 | 126.3 | 64.0  | 56.6  | 51.5  | 45.8  | 39.7  | 34.6  | 33.2  | 33.2  |
| 40°   | 868.6  | 585.6 | 93.4  | 59.9  | 52.0  | 45.5  | 37.1  | 29.1  | 24.4  | 23.6  | 23.6  |
| 42.5° | 892.1  | 548.6 | 74.5  | 56.3  | 47.9  | 39.4  | 28.3  | 21.1  | 17.7  | 17.2  | 17.1  |
| 45°   | 916.5  | 507.9 | 65.1  | 52.9  | 43.5  | 32.4  | 21.0  | 15.6  | 13.6  | 13.1  | 13.1  |
| 47.5° | 940.9  | 464.6 | 60.6  | 49.6  | 39.3  | 25.2  | 15.6  | 12.4  | 11.4  | 11.4  | 11.6  |
| 50°   | 961.6  | 419.4 | 57.3  | 46.0  | 33.8  | 19.1  | 12.4  | 10.5  | 10.2  | 10.8  | 11.0  |
| 52.5° | 966.8  | 374.9 | 53.2  | 41.5  | 27.1  | 14.6  | 10.2  | 9.2   | 9.2   | 9.2   | 9.2   |
| 55°   | 963.6  | 340.5 | 47.9  | 35.8  | 20.0  | 11.6  | 8.8   | 8.1   | 8.0   | 8.0   | 8.0   |
| 57.5° | 974.3  | 320.2 | 38.3  | 27.9  | 14.4  | 9.4   | 7.7   | 7.2   | 6.9   | 6.7   | 6.7   |
| 60°   | 995.7  | 306.9 | 27.4  | 20.0  | 10.8  | 7.8   | 6.6   | 6.1   | 5.6   | 5.3   | 5.3   |
| 62.5° | 1024.2 | 295.3 | 20.3  | 14.9  | 8.3   | 6.3   | 5.5   | 5.0   | 4.4   | 4.1   | 4.1   |
| 65°   | 1046.1 | 274.6 | 15.5  | 11.1  | 6.3   | 5.0   | 4.2   | 4.1   | 3.1   | 2.8   | 2.7   |
| 67.5° | 1012.6 | 229.2 | 12.5  | 8.1   | 4.7   | 3.9   | 3.3   | 3.1   | 1.9   | 1.6   | 1.6   |
| 70°   | 868.5  | 159.6 | 10.0  | 5.9   | 3.4   | 3.1   | 2.7   | 2.0   | 1.4   | 1.3   | 1.3   |
| 71°   | 787.6  | 133.3 | 9.1   | 5.0   | 3.0   | 3.0   | 2.5   | 1.7   | 1.3   | 1.1   | 1.1   |
| 72.5° | 654.3  | 94.7  | 7.7   | 3.9   | 2.7   | 3.1   | 2.7   | 1.6   | 1.3   | 1.1   | 0.9   |
| 75°   | 379.8  | 39.6  | 5.3   | 2.7   | 2.0   | 3.8   | 3.4   | 1.4   | 0.9   | 0.8   | 0.8   |
| 77.5° | 114.2  | 14.6  | 3.0   | 1.7   | 1.6   | 3.3   | 3.9   | 1.3   | 0.5   | 0.2   | 0.2   |
| 80°   | 20.8   | 6.3   | 1.9   | 1.1   | 1.1   | 2.0   | 3.0   | 0.6   | 0.0   | 0.0   | 0.0   |
| 82.5° | 7.4    | 3.1   | 1.1   | 0.6   | 0.5   | 0.9   | 1.4   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 4.2    | 2.2   | 0.6   | 0.3   | 0.0   | 0.2   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 2.8    | 0.6   | 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   |

(END OF REPORT)