

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: P1207894

Luminaire Tested: UPW-SA1-030-750-U-T3-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207894  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-750-U-T3-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3627 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
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

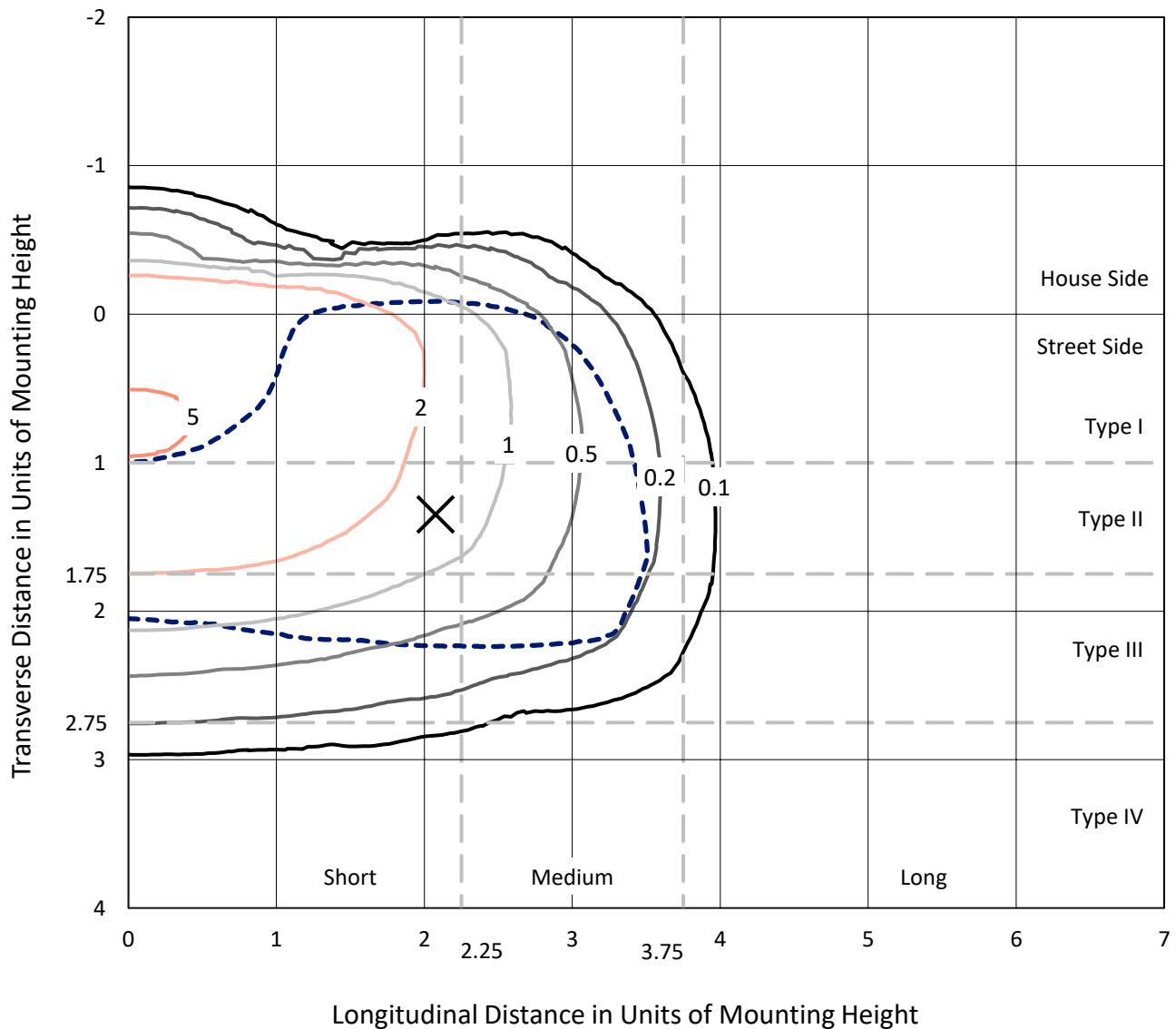


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

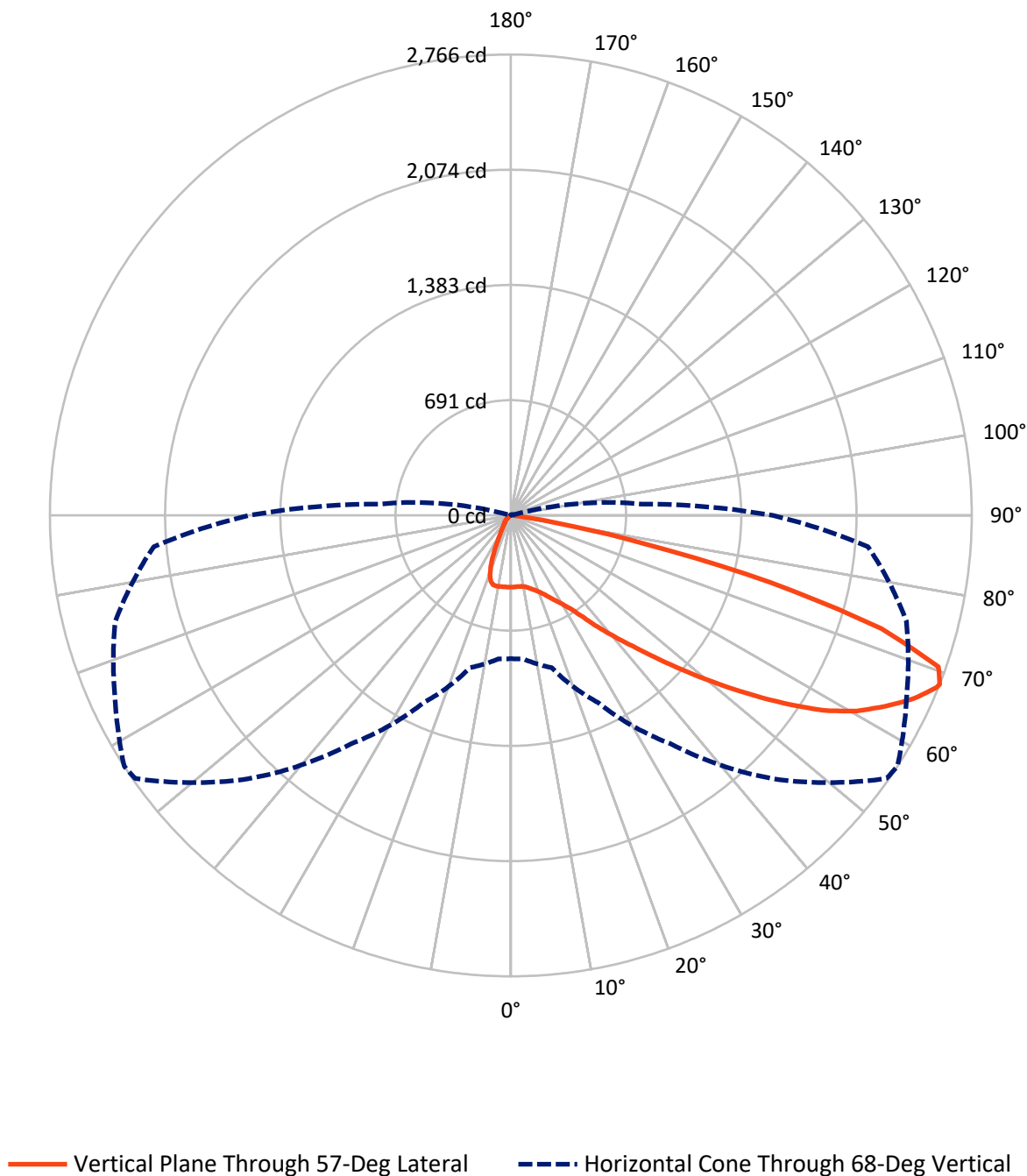


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc  
 Type III - Short - N/A

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## Luminous Intensity Polar Plot



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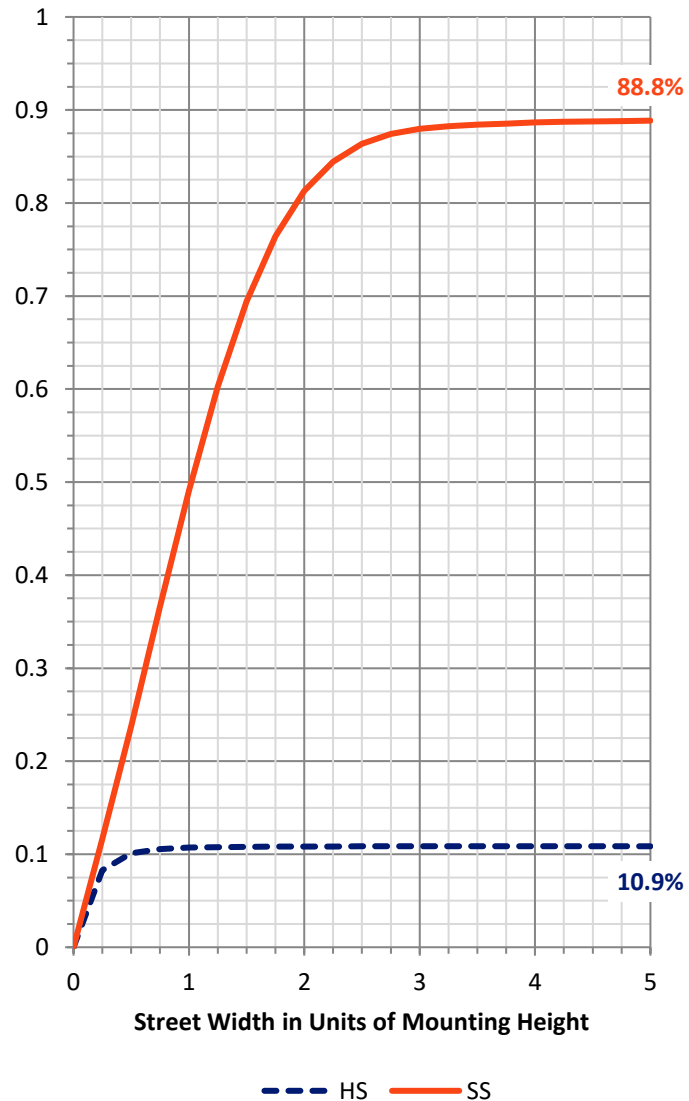
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 397.7    | 0.0    | 397.7  |
|                    | % Fixture | 11.0     | 0.0    | 11.0   |
| <b>Street Side</b> | Lumens    | 3229.3   | 0.0    | 3229.3 |
|                    | % Fixture | 89.0     | 0.0    | 89.0   |
| <b>Total</b>       | Lumens    | 3627.0   | 0.0    | 3627.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 40.3   | 1.1       |
| 10°-20°   | 111.8  | 3.1       |
| 20°-30°   | 192.8  | 5.3       |
| 30°-40°   | 332.8  | 9.2       |
| 40°-50°   | 569.2  | 15.7      |
| 50°-60°   | 910.7  | 25.1      |
| 60°-70°   | 1052.2 | 29.0      |
| 70°-80°   | 402.1  | 11.1      |
| 80°-90°   | 15.1   | 0.4       |
| 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°    | 3627.0 | 100.0     |
| 0°-180°   | 3627.0 | 100.0     |

**Coefficient of Utilization**



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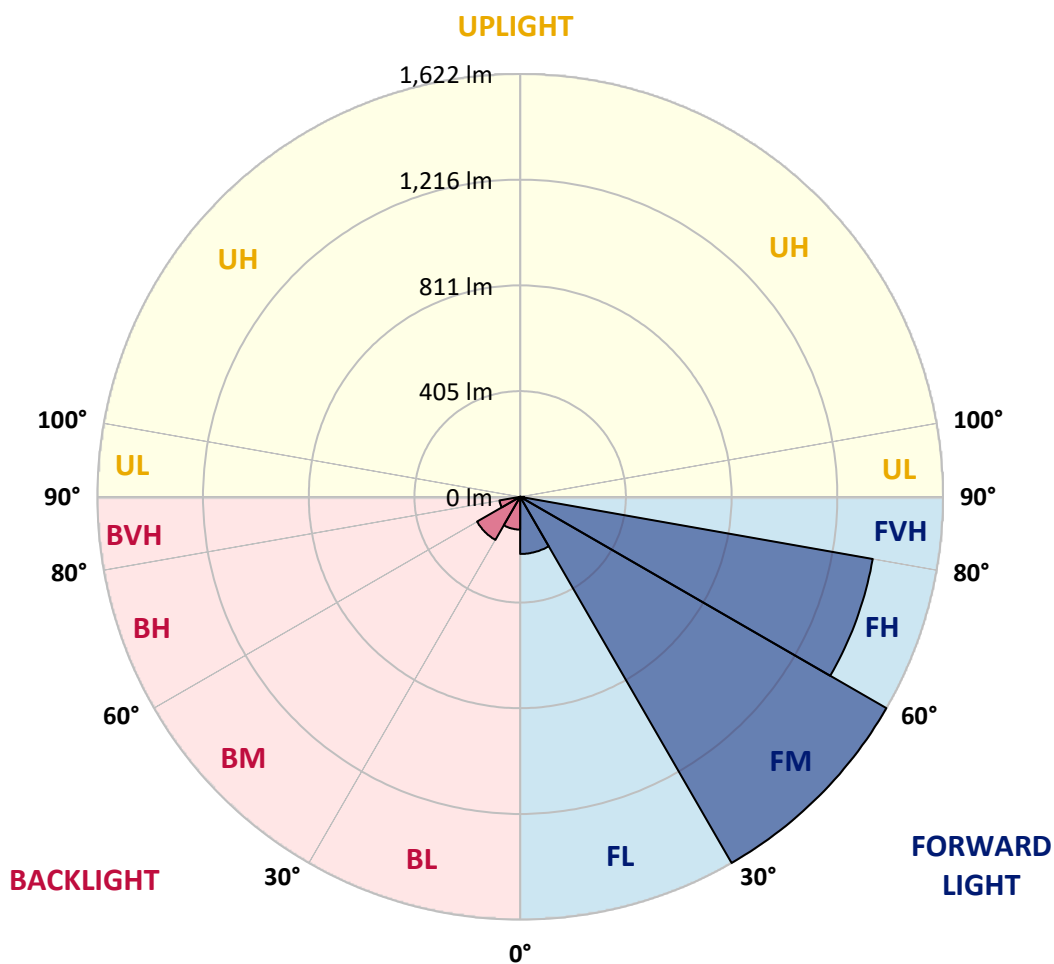
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 219.2  | 6.0       |                         |      |         |
| FM   | (30°-60°)   | 1622.0 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 1373.3 | 37.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 14.8   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 125.7  | 3.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 190.8  | 5.3       | B0/220                  |      |         |
| BH   | (60°-80°)   | 81.0   | 2.2       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.3    | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 57°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 431.0  | 431.0  | 431.0  | 431.0  | 431.0  | 431.0  | 431.0  | 431.0  | 431.0  | 431.0  | 431.0  |
| 2.5°  | 420.9  | 422.8  | 424.1  | 425.0  | 426.0  | 428.2  | 428.9  | 430.0  | 430.5  | 430.5  | 431.7  |
| 5°    | 404.2  | 406.3  | 409.2  | 411.6  | 416.4  | 422.6  | 427.0  | 428.8  | 431.8  | 434.6  | 436.1  |
| 7.5°  | 388.8  | 391.2  | 394.6  | 400.3  | 408.5  | 418.5  | 427.7  | 430.1  | 436.1  | 442.0  | 444.9  |
| 10°   | 378.8  | 380.7  | 385.2  | 393.3  | 404.1  | 417.9  | 431.0  | 433.9  | 444.2  | 454.0  | 459.5  |
| 12.5° | 375.4  | 377.1  | 381.8  | 390.9  | 404.2  | 420.5  | 438.5  | 442.8  | 457.9  | 472.1  | 479.9  |
| 15°   | 380.4  | 380.7  | 385.7  | 394.3  | 407.5  | 426.9  | 451.0  | 456.2  | 475.2  | 493.8  | 503.4  |
| 17.5° | 399.6  | 398.1  | 400.6  | 404.4  | 414.9  | 435.3  | 464.3  | 472.0  | 497.4  | 519.1  | 528.2  |
| 20°   | 447.6  | 447.6  | 441.8  | 431.5  | 431.7  | 448.3  | 482.1  | 490.8  | 521.9  | 547.1  | 555.3  |
| 22.5° | 529.8  | 528.2  | 516.6  | 491.4  | 468.2  | 470.8  | 503.9  | 515.2  | 551.4  | 578.3  | 581.0  |
| 25°   | 628.6  | 626.7  | 608.7  | 573.2  | 533.0  | 507.1  | 533.4  | 546.4  | 586.5  | 610.4  | 604.7  |
| 27.5° | 733.2  | 731.6  | 713.8  | 669.7  | 612.6  | 565.1  | 568.5  | 580.9  | 622.4  | 645.9  | 627.9  |
| 30°   | 834.5  | 835.0  | 817.4  | 772.1  | 707.4  | 639.0  | 613.1  | 620.3  | 657.2  | 681.0  | 655.3  |
| 32.5° | 930.9  | 931.6  | 916.3  | 865.7  | 805.4  | 724.9  | 674.9  | 673.0  | 697.7  | 721.2  | 691.7  |
| 35°   | 1016.8 | 1018.5 | 1008.1 | 968.8  | 904.8  | 820.6  | 754.9  | 750.5  | 755.1  | 781.7  | 747.4  |
| 37.5° | 1099.7 | 1100.7 | 1092.8 | 1059.7 | 1006.2 | 925.8  | 856.1  | 849.8  | 839.8  | 860.3  | 821.0  |
| 40°   | 1190.4 | 1187.8 | 1178.7 | 1148.7 | 1102.8 | 1041.9 | 964.9  | 953.9  | 936.6  | 954.7  | 917.7  |
| 42.5° | 1274.8 | 1271.9 | 1273.4 | 1239.4 | 1200.7 | 1161.2 | 1091.6 | 1072.7 | 1062.6 | 1083.5 | 1036.4 |
| 45°   | 1380.2 | 1378.7 | 1383.8 | 1354.3 | 1323.0 | 1294.3 | 1236.9 | 1216.3 | 1211.8 | 1236.4 | 1179.9 |
| 47.5° | 1484.3 | 1488.1 | 1504.1 | 1491.5 | 1478.9 | 1453.6 | 1390.7 | 1381.4 | 1384.2 | 1413.9 | 1331.4 |
| 50°   | 1571.1 | 1575.6 | 1619.3 | 1633.7 | 1652.1 | 1637.3 | 1574.2 | 1568.6 | 1579.4 | 1606.1 | 1494.3 |
| 52.5° | 1633.9 | 1643.0 | 1697.4 | 1763.7 | 1830.6 | 1840.6 | 1777.6 | 1772.5 | 1787.0 | 1791.2 | 1620.2 |
| 55°   | 1677.5 | 1685.5 | 1747.1 | 1868.5 | 2004.7 | 2047.6 | 2008.5 | 1988.6 | 1985.8 | 1945.2 | 1752.6 |
| 57.5° | 1685.2 | 1684.3 | 1772.8 | 1936.3 | 2141.2 | 2251.8 | 2227.1 | 2207.6 | 2151.3 | 2087.5 | 1904.4 |
| 60°   | 1641.6 | 1646.6 | 1749.3 | 1959.7 | 2226.9 | 2406.3 | 2408.2 | 2382.8 | 2295.2 | 2225.9 | 2051.5 |
| 62.5° | 1507.5 | 1527.7 | 1631.5 | 1898.2 | 2225.9 | 2468.6 | 2541.0 | 2521.6 | 2416.8 | 2339.3 | 2200.7 |
| 65°   | 1290.0 | 1297.2 | 1396.2 | 1687.2 | 2075.5 | 2442.5 | 2660.5 | 2653.3 | 2526.4 | 2449.4 | 2277.4 |
| 67.5° | 942.1  | 926.5  | 1030.4 | 1328.6 | 1757.2 | 2290.6 | 2746.3 | 2755.3 | 2610.9 | 2472.0 | 2195.7 |
| 68°   | 859.7  | 864.4  | 945.3  | 1240.0 | 1673.9 | 2236.9 | 2751.9 | 2765.8 | 2619.3 | 2457.3 | 2151.1 |
| 70°   | 512.4  | 521.4  | 593.6  | 853.7  | 1273.4 | 1933.2 | 2690.9 | 2722.6 | 2569.3 | 2305.2 | 1860.6 |
| 72.5° | 130.9  | 141.5  | 209.7  | 382.1  | 727.3  | 1362.1 | 2271.5 | 2325.2 | 2230.7 | 1870.1 | 1256.1 |
| 75°   | 53.9   | 56.6   | 74.9   | 125.9  | 271.0  | 613.6  | 1497.2 | 1612.1 | 1546.4 | 1119.6 | 567.7  |
| 77.5° | 37.2   | 39.1   | 48.2   | 69.8   | 117.3  | 208.0  | 734.0  | 817.0  | 736.1  | 382.1  | 123.8  |
| 80°   | 26.8   | 28.3   | 34.5   | 46.5   | 67.4   | 74.3   | 239.2  | 276.6  | 219.7  | 83.9   | 30.7   |
| 82.5° | 15.9   | 17.2   | 25.7   | 33.1   | 41.0   | 35.5   | 59.5   | 67.6   | 63.6   | 41.7   | 13.7   |
| 85°   | 7.9    | 9.3    | 17.3   | 23.7   | 22.1   | 14.9   | 18.2   | 20.2   | 25.0   | 25.4   | 7.4    |
| 87.5° | 0.5    | 1.0    | 10.1   | 14.2   | 6.2    | 3.4    | 5.3    | 6.5    | 8.9    | 12.5   | 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°    | 431.0  | 431.0  | 431.0 | 431.0 | 431.0 | 431.0 | 431.0 | 431.0 | 431.0 | 431.0 | 431.0 |
| 2.5°  | 432.2  | 432.4  | 431.2 | 430.6 | 431.0 | 428.9 | 428.1 | 428.4 | 428.4 | 428.9 | 428.1 |
| 5°    | 436.5  | 436.5  | 434.4 | 431.7 | 430.1 | 426.2 | 423.6 | 422.9 | 422.4 | 422.1 | 421.4 |
| 7.5°  | 445.7  | 444.7  | 441.1 | 435.1 | 430.0 | 421.4 | 414.9 | 411.4 | 409.7 | 409.0 | 408.5 |
| 10°   | 460.7  | 458.8  | 452.8 | 441.6 | 429.8 | 414.5 | 400.3 | 390.2 | 381.8 | 378.3 | 376.3 |
| 12.5° | 480.7  | 478.0  | 467.9 | 449.3 | 428.6 | 400.5 | 369.6 | 339.9 | 312.3 | 301.0 | 295.3 |
| 15°   | 503.9  | 499.9  | 484.0 | 455.9 | 421.6 | 368.7 | 301.7 | 249.7 | 211.5 | 197.1 | 190.9 |
| 17.5° | 527.4  | 522.2  | 498.0 | 460.0 | 400.5 | 303.0 | 211.6 | 159.8 | 134.3 | 127.4 | 125.0 |
| 20°   | 551.0  | 543.5  | 510.2 | 456.9 | 352.8 | 218.5 | 139.6 | 116.8 | 109.4 | 107.4 | 106.7 |
| 22.5° | 573.5  | 561.8  | 521.2 | 444.9 | 279.4 | 146.6 | 110.4 | 103.2 | 100.8 | 99.6  | 99.3  |
| 25°   | 593.1  | 576.8  | 530.8 | 407.8 | 197.7 | 110.8 | 99.5  | 97.1  | 94.0  | 91.8  | 91.9  |
| 27.5° | 611.4  | 591.7  | 536.6 | 346.8 | 131.9 | 94.7  | 92.1  | 88.8  | 83.2  | 79.9  | 79.9  |
| 30°   | 633.5  | 611.6  | 540.9 | 266.9 | 97.1  | 83.7  | 81.6  | 76.7  | 68.9  | 64.7  | 64.7  |
| 32.5° | 666.8  | 641.8  | 538.2 | 187.3 | 80.4  | 73.6  | 68.8  | 61.9  | 53.5  | 49.4  | 49.2  |
| 35°   | 717.7  | 688.4  | 518.6 | 122.8 | 71.0  | 64.0  | 56.3  | 47.8  | 40.5  | 37.0  | 36.9  |
| 37.5° | 786.3  | 750.8  | 474.7 | 87.8  | 63.6  | 55.1  | 45.8  | 36.5  | 31.0  | 28.8  | 28.6  |
| 40°   | 875.3  | 823.4  | 411.9 | 71.2  | 56.8  | 46.5  | 35.3  | 28.3  | 24.5  | 22.8  | 23.0  |
| 42.5° | 982.2  | 901.1  | 336.7 | 61.4  | 50.1  | 38.2  | 27.6  | 22.3  | 19.9  | 18.7  | 18.4  |
| 45°   | 1100.9 | 977.7  | 257.8 | 54.7  | 43.4  | 30.9  | 21.6  | 17.7  | 15.8  | 15.1  | 15.1  |
| 47.5° | 1231.4 | 1052.3 | 188.7 | 48.9  | 36.2  | 23.8  | 17.3  | 14.4  | 12.9  | 12.3  | 12.2  |
| 50°   | 1349.9 | 1104.1 | 136.0 | 42.7  | 29.7  | 18.9  | 14.1  | 12.0  | 11.0  | 10.3  | 10.3  |
| 52.5° | 1448.7 | 1120.4 | 100.2 | 36.0  | 24.0  | 15.1  | 11.7  | 10.3  | 9.3   | 8.7   | 8.7   |
| 55°   | 1535.6 | 1113.7 | 74.4  | 29.7  | 19.4  | 12.3  | 9.9   | 8.7   | 7.9   | 7.4   | 7.4   |
| 57.5° | 1619.0 | 1092.1 | 55.6  | 24.2  | 15.6  | 9.9   | 8.4   | 7.4   | 6.5   | 6.2   | 6.2   |
| 60°   | 1687.1 | 1056.1 | 41.3  | 19.6  | 12.5  | 8.1   | 7.0   | 6.0   | 5.3   | 4.8   | 4.8   |
| 62.5° | 1742.3 | 1016.3 | 30.4  | 16.1  | 9.9   | 6.3   | 5.5   | 5.0   | 3.9   | 3.4   | 3.4   |
| 65°   | 1742.6 | 950.3  | 22.8  | 13.4  | 7.7   | 5.0   | 4.1   | 3.9   | 2.6   | 2.1   | 1.9   |
| 67.5° | 1616.6 | 819.3  | 17.5  | 11.5  | 6.0   | 3.8   | 3.1   | 3.3   | 1.4   | 0.9   | 0.7   |
| 68°   | 1570.8 | 786.0  | 16.5  | 11.3  | 5.7   | 3.6   | 2.9   | 3.3   | 1.2   | 0.7   | 0.5   |
| 70°   | 1324.3 | 625.3  | 13.2  | 11.0  | 5.0   | 2.7   | 2.4   | 3.3   | 1.0   | 0.5   | 0.3   |
| 72.5° | 847.0  | 362.9  | 9.8   | 8.7   | 3.8   | 2.1   | 1.5   | 2.9   | 1.0   | 0.3   | 0.2   |
| 75°   | 360.5  | 112.5  | 6.7   | 6.2   | 2.2   | 1.5   | 1.0   | 1.9   | 0.7   | 0.2   | 0.0   |
| 77.5° | 76.0   | 25.4   | 3.9   | 3.8   | 1.5   | 1.0   | 0.7   | 0.5   | 0.2   | 0.0   | 0.0   |
| 80°   | 19.6   | 7.4    | 2.1   | 1.9   | 0.9   | 0.5   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 6.2    | 2.9    | 1.2   | 0.9   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 3.1    | 1.7    | 0.7   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 1.7    | 0.5    | 0.2   | 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)