

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: STREETWORKS

Report Number: P511098

Luminaire Tested: **USSL-P-PA1A-740-U-T2U**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511098  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-PA1A-740-U-T2U  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4496 lumens  
Efficiency: N/A  
Efficacy: 146.4 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 30.7  
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: 24 FT



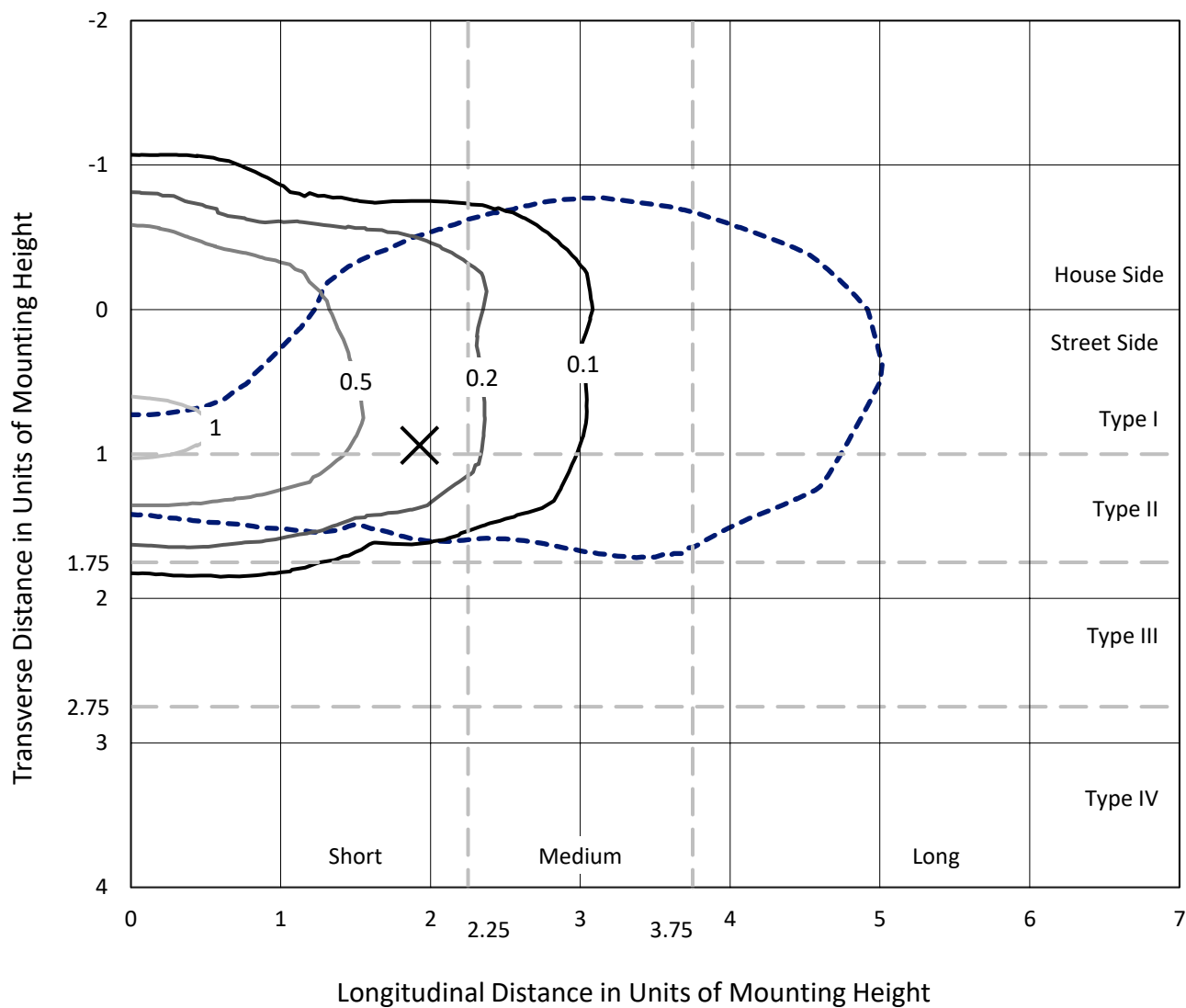
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

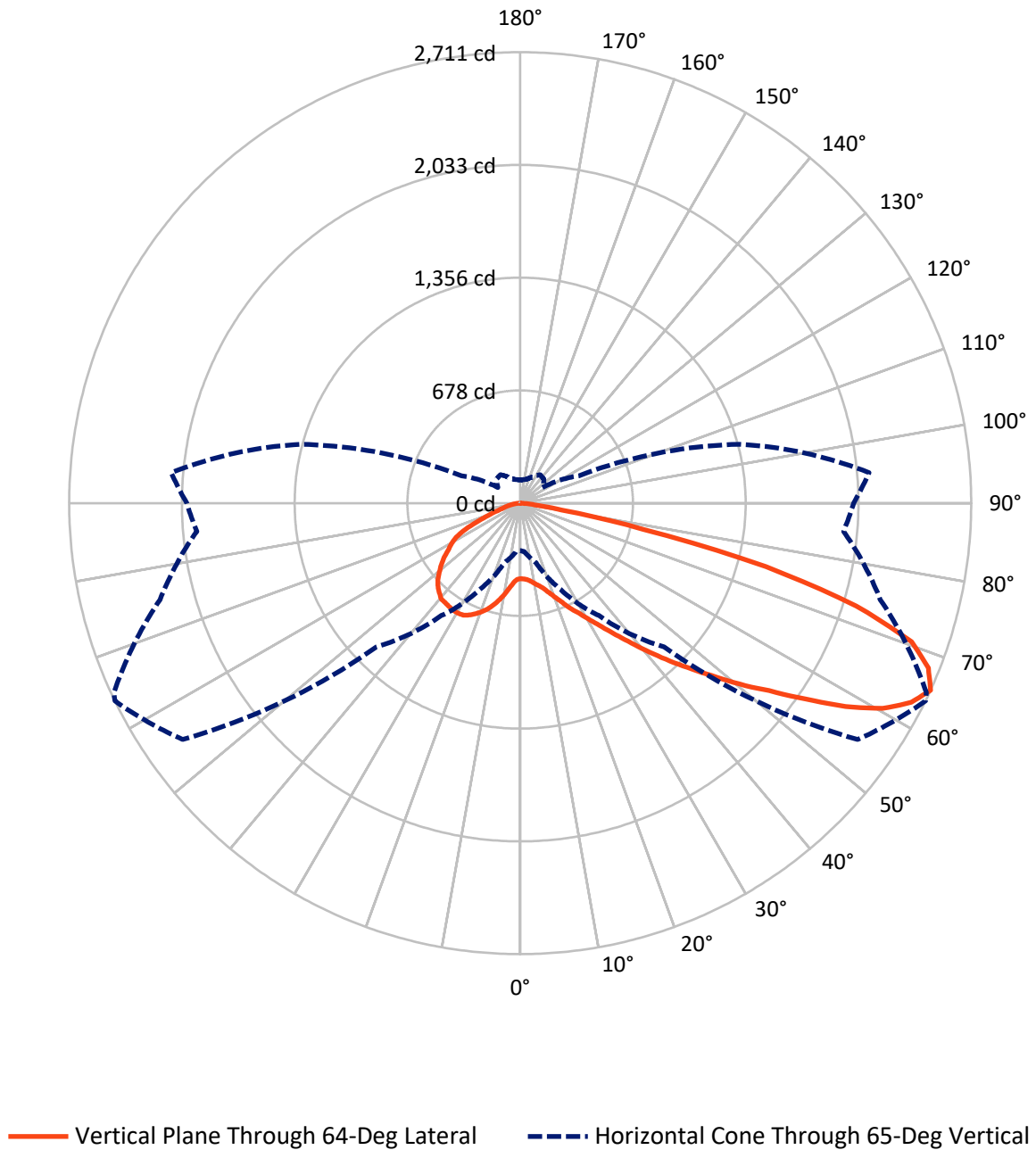
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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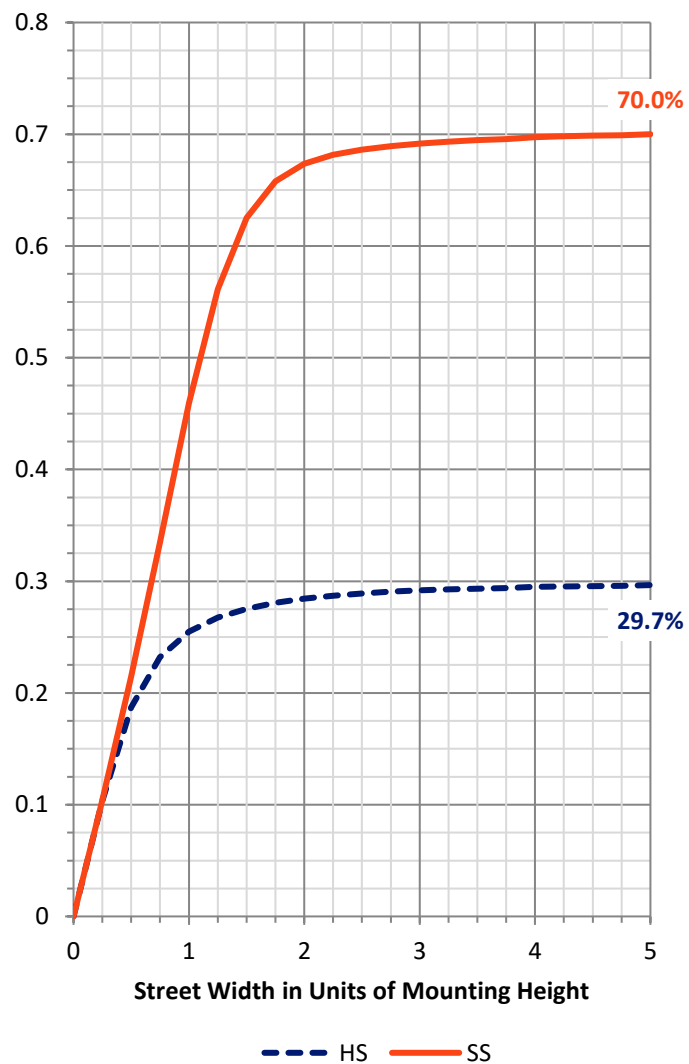
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1343.5   | 0.0    | 1343.5 |
|                    | % Fixture | 29.9     | 0.0    | 29.9   |
| <b>Street Side</b> | Lumens    | 3152.5   | 0.0    | 3152.5 |
|                    | % Fixture | 70.1     | 0.0    | 70.1   |
| <b>Total</b>       | Lumens    | 4496.0   | 0.0    | 4496.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.8   | 1.0       |
| 10°-20°   | 162.7  | 3.6       |
| 20°-30°   | 315.0  | 7.0       |
| 30°-40°   | 503.6  | 11.2      |
| 40°-50°   | 807.3  | 18.0      |
| 50°-60°   | 1057.7 | 23.5      |
| 60°-70°   | 960.9  | 21.4      |
| 70°-80°   | 573.9  | 12.8      |
| 80°-90°   | 68.1   | 1.5       |
| 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°    | 4496.0 | 100.0     |
| 0°-180°   | 4496.0 | 100.0     |

**Coefficient of Utilization**



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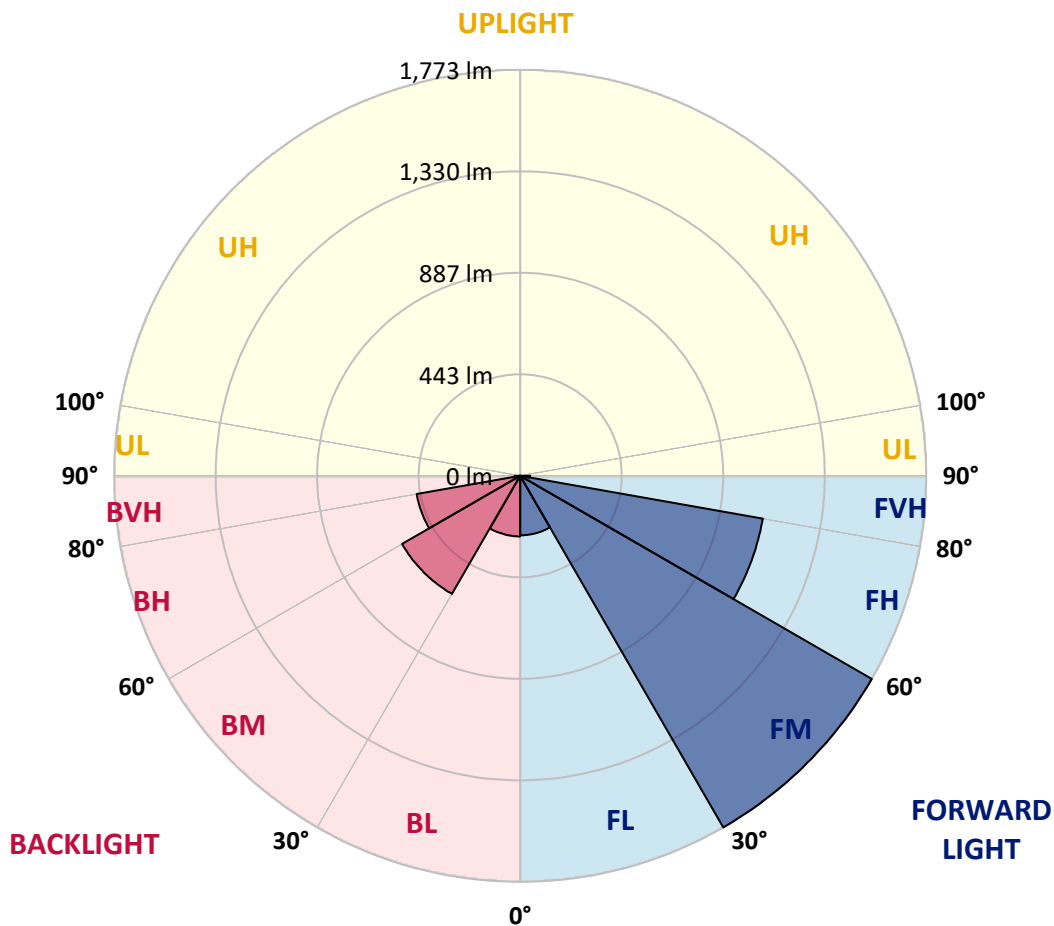
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 259.7  | 5.8       |                         |      |         |
| FM   | (30°-60°)   | 1773.1 | 39.4      |                         |      |         |
| FH   | (60°-80°)   | 1076.1 | 23.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 43.6   | 1.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 264.8  | 5.9       | B1/500                  |      |         |
| BM   | (30°-60°)   | 595.5  | 13.2      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 458.7  | 10.2      | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 24.4   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 454.0  | 454.0  | 454.0  | 454.0  | 454.0  | 454.0  | 454.0  | 454.0  | 454.0  | 454.0  | 454.0  |
| 2.5°  | 455.0  | 454.0  | 457.0  | 457.0  | 457.0  | 456.0  | 455.0  | 456.0  | 456.0  | 455.0  | 456.0  |
| 5°    | 453.0  | 453.0  | 456.0  | 460.0  | 460.0  | 463.0  | 461.0  | 462.0  | 463.0  | 464.0  | 464.0  |
| 7.5°  | 440.0  | 443.0  | 446.0  | 452.0  | 458.0  | 466.0  | 471.0  | 475.0  | 476.0  | 480.0  | 483.0  |
| 10°   | 447.0  | 446.0  | 451.0  | 455.0  | 461.0  | 474.0  | 482.0  | 493.0  | 491.0  | 502.0  | 507.0  |
| 12.5° | 460.0  | 460.0  | 464.0  | 471.0  | 479.0  | 491.0  | 497.0  | 510.0  | 511.0  | 521.0  | 531.1  |
| 15°   | 476.0  | 476.0  | 483.0  | 491.0  | 503.0  | 519.0  | 527.0  | 533.1  | 538.1  | 546.1  | 556.1  |
| 17.5° | 505.0  | 509.0  | 510.0  | 518.0  | 528.0  | 548.1  | 561.1  | 566.1  | 566.1  | 573.1  | 582.1  |
| 20°   | 560.1  | 568.1  | 561.1  | 560.1  | 562.1  | 583.1  | 596.1  | 605.1  | 604.1  | 606.1  | 607.1  |
| 22.5° | 635.1  | 640.1  | 633.1  | 625.1  | 613.1  | 626.1  | 638.1  | 648.1  | 642.1  | 642.1  | 633.1  |
| 25°   | 733.1  | 727.1  | 721.1  | 698.1  | 676.1  | 671.1  | 688.1  | 700.1  | 697.1  | 682.1  | 662.1  |
| 27.5° | 835.1  | 827.1  | 813.1  | 788.1  | 752.1  | 733.1  | 737.1  | 747.1  | 751.1  | 726.1  | 694.1  |
| 30°   | 933.1  | 935.1  | 918.1  | 883.1  | 837.1  | 805.1  | 800.1  | 807.1  | 805.1  | 772.1  | 726.1  |
| 32.5° | 1072.1 | 1059.1 | 1045.1 | 997.1  | 929.1  | 891.1  | 875.1  | 876.1  | 876.1  | 827.1  | 763.1  |
| 35°   | 1228.1 | 1230.1 | 1189.1 | 1122.1 | 1039.1 | 986.1  | 961.1  | 959.1  | 954.1  | 899.1  | 816.1  |
| 37.5° | 1451.1 | 1437.1 | 1387.1 | 1295.1 | 1177.1 | 1102.1 | 1059.1 | 1053.1 | 1048.1 | 981.1  | 883.1  |
| 40°   | 1645.2 | 1647.2 | 1595.2 | 1501.1 | 1350.1 | 1226.1 | 1174.1 | 1163.1 | 1161.1 | 1071.1 | 960.1  |
| 42.5° | 1775.2 | 1768.2 | 1766.2 | 1711.2 | 1563.1 | 1429.1 | 1315.1 | 1283.1 | 1268.1 | 1179.1 | 1052.1 |
| 45°   | 1836.2 | 1839.2 | 1848.2 | 1858.2 | 1789.2 | 1661.2 | 1495.1 | 1409.1 | 1396.1 | 1289.1 | 1152.1 |
| 47.5° | 1872.2 | 1879.2 | 1907.2 | 1937.2 | 1968.2 | 1922.2 | 1681.2 | 1548.1 | 1537.1 | 1404.1 | 1255.1 |
| 50°   | 1850.2 | 1845.2 | 1912.2 | 1996.2 | 2095.2 | 2185.2 | 1895.2 | 1710.2 | 1696.2 | 1544.1 | 1370.1 |
| 52.5° | 1619.2 | 1643.2 | 1791.2 | 1979.2 | 2175.2 | 2350.2 | 2139.2 | 1873.2 | 1861.2 | 1676.2 | 1473.1 |
| 55°   | 1308.1 | 1326.1 | 1481.1 | 1779.2 | 2182.2 | 2455.2 | 2328.2 | 2077.2 | 2061.2 | 1808.2 | 1591.1 |
| 57.5° | 992.1  | 1039.1 | 1212.1 | 1448.1 | 1975.2 | 2473.2 | 2474.2 | 2306.2 | 2252.2 | 1939.2 | 1697.2 |
| 60°   | 666.1  | 685.1  | 898.1  | 1126.1 | 1586.1 | 2310.2 | 2548.2 | 2505.2 | 2462.2 | 2066.2 | 1795.2 |
| 62.5° | 451.0  | 455.0  | 583.1  | 851.1  | 1173.1 | 1925.2 | 2552.2 | 2638.2 | 2594.2 | 2169.2 | 1875.2 |
| 65°   | 285.0  | 293.0  | 371.0  | 570.1  | 825.1  | 1222.1 | 2477.2 | 2711.3 | 2694.3 | 2241.2 | 1951.2 |
| 67.5° | 217.0  | 219.0  | 253.0  | 345.0  | 577.1  | 735.1  | 2142.2 | 2646.2 | 2651.2 | 2294.2 | 1987.2 |
| 70°   | 185.0  | 188.0  | 216.0  | 239.0  | 397.0  | 395.0  | 1373.1 | 2496.2 | 2514.2 | 2313.2 | 2007.2 |
| 72.5° | 147.0  | 152.0  | 183.0  | 220.0  | 291.0  | 269.0  | 587.1  | 2113.2 | 2167.2 | 2250.2 | 1992.2 |
| 75°   | 108.0  | 111.0  | 138.0  | 179.0  | 228.0  | 207.0  | 233.0  | 1526.1 | 1668.2 | 1974.2 | 1895.2 |
| 77.5° | 77.0   | 82.0   | 103.0  | 133.0  | 207.0  | 150.0  | 145.0  | 752.1  | 904.1  | 1500.1 | 1629.2 |
| 80°   | 54.0   | 53.0   | 69.0   | 90.0   | 129.0  | 112.0  | 86.0   | 254.0  | 326.0  | 859.1  | 1060.1 |
| 82.5° | 27.0   | 28.0   | 40.0   | 56.0   | 73.0   | 89.0   | 48.0   | 101.0  | 117.0  | 353.0  | 396.0  |
| 85°   | 12.0   | 12.0   | 17.0   | 20.0   | 33.0   | 33.0   | 23.0   | 37.0   | 41.0   | 97.0   | 36.0   |
| 87.5° | 0.0    | 1.0    | 1.0    | 2.0    | 2.0    | 3.0    | 4.0    | 5.0    | 6.0    | 6.0    | 5.0    |
| 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):**

|       | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 454.0  | 454.0  | 454.0  | 454.0 | 454.0 | 454.0 | 454.0 | 454.0 | 454.0 | 454.0 | 454.0 |
| 2.5°  | 457.0  | 457.0  | 457.0  | 457.0 | 460.0 | 462.0 | 465.0 | 467.0 | 466.0 | 467.0 | 467.0 |
| 5°    | 466.0  | 467.0  | 471.0  | 476.0 | 483.0 | 489.0 | 499.0 | 501.0 | 506.0 | 504.0 | 509.0 |
| 7.5°  | 485.0  | 490.0  | 497.0  | 509.0 | 522.0 | 533.1 | 542.1 | 548.1 | 552.1 | 555.1 | 552.1 |
| 10°   | 513.0  | 519.0  | 533.1  | 550.1 | 566.1 | 581.1 | 587.1 | 593.1 | 592.1 | 589.1 | 588.1 |
| 12.5° | 538.1  | 546.1  | 568.1  | 589.1 | 610.1 | 622.1 | 617.1 | 610.1 | 604.1 | 600.1 | 599.1 |
| 15°   | 564.1  | 575.1  | 599.1  | 629.1 | 646.1 | 645.1 | 631.1 | 620.1 | 619.1 | 617.1 | 615.1 |
| 17.5° | 590.1  | 604.1  | 635.1  | 663.1 | 674.1 | 656.1 | 642.1 | 637.1 | 639.1 | 637.1 | 636.1 |
| 20°   | 614.1  | 627.1  | 663.1  | 693.1 | 688.1 | 664.1 | 655.1 | 651.1 | 646.1 | 643.1 | 641.1 |
| 22.5° | 637.1  | 651.1  | 692.1  | 719.1 | 702.1 | 671.1 | 660.1 | 646.1 | 641.1 | 635.1 | 633.1 |
| 25°   | 659.1  | 675.1  | 716.1  | 743.1 | 702.1 | 668.1 | 645.1 | 627.1 | 616.1 | 610.1 | 610.1 |
| 27.5° | 691.1  | 702.1  | 740.1  | 762.1 | 694.1 | 651.1 | 610.1 | 585.1 | 568.1 | 567.1 | 567.1 |
| 30°   | 715.1  | 721.1  | 760.1  | 769.1 | 676.1 | 612.1 | 560.1 | 523.0 | 505.0 | 500.0 | 499.0 |
| 32.5° | 747.1  | 745.1  | 777.1  | 771.1 | 653.1 | 563.1 | 494.0 | 452.0 | 429.0 | 422.0 | 418.0 |
| 35°   | 787.1  | 784.1  | 812.1  | 769.1 | 621.1 | 505.0 | 421.0 | 373.0 | 357.0 | 345.0 | 346.0 |
| 37.5° | 852.1  | 832.1  | 866.1  | 768.1 | 578.1 | 429.0 | 344.0 | 315.0 | 294.0 | 282.0 | 283.0 |
| 40°   | 920.1  | 891.1  | 927.1  | 770.1 | 528.0 | 354.0 | 292.0 | 271.0 | 251.0 | 233.0 | 235.0 |
| 42.5° | 1003.1 | 968.1  | 992.1  | 754.1 | 469.0 | 295.0 | 260.0 | 245.0 | 228.0 | 215.0 | 217.0 |
| 45°   | 1096.1 | 1046.1 | 1053.1 | 738.1 | 402.0 | 263.0 | 250.0 | 239.0 | 224.0 | 207.0 | 208.0 |
| 47.5° | 1198.1 | 1141.1 | 1099.1 | 713.1 | 349.0 | 256.0 | 259.0 | 242.0 | 209.0 | 188.0 | 188.0 |
| 50°   | 1300.1 | 1243.1 | 1137.1 | 674.1 | 315.0 | 273.0 | 258.0 | 217.0 | 191.0 | 178.0 | 176.0 |
| 52.5° | 1405.1 | 1368.1 | 1159.1 | 635.1 | 305.0 | 272.0 | 237.0 | 205.0 | 183.0 | 168.0 | 166.0 |
| 55°   | 1522.1 | 1503.1 | 1192.1 | 592.1 | 276.0 | 262.0 | 227.0 | 196.0 | 172.0 | 160.0 | 157.0 |
| 57.5° | 1632.2 | 1658.2 | 1223.1 | 546.1 | 236.0 | 239.0 | 216.0 | 189.0 | 168.0 | 159.0 | 157.0 |
| 60°   | 1758.2 | 1815.2 | 1264.1 | 509.0 | 204.0 | 222.0 | 212.0 | 193.0 | 172.0 | 161.0 | 159.0 |
| 62.5° | 1868.2 | 1964.2 | 1316.1 | 463.0 | 182.0 | 212.0 | 214.0 | 188.0 | 165.0 | 155.0 | 152.0 |
| 65°   | 2004.2 | 2105.2 | 1367.1 | 389.0 | 163.0 | 202.0 | 208.0 | 173.0 | 148.0 | 141.0 | 138.0 |
| 67.5° | 2101.2 | 2192.2 | 1394.1 | 283.0 | 145.0 | 182.0 | 190.0 | 154.0 | 128.0 | 124.0 | 122.0 |
| 70°   | 2157.2 | 2171.2 | 1380.1 | 197.0 | 126.0 | 154.0 | 169.0 | 135.0 | 113.0 | 110.0 | 107.0 |
| 72.5° | 2116.2 | 2029.2 | 1280.1 | 137.0 | 109.0 | 132.0 | 147.0 | 121.0 | 95.0  | 91.0  | 89.0  |
| 75°   | 1948.2 | 1759.2 | 1028.1 | 101.0 | 95.0  | 112.0 | 124.0 | 102.0 | 76.0  | 69.0  | 68.0  |
| 77.5° | 1583.1 | 1342.1 | 664.1  | 80.0  | 79.0  | 91.0  | 99.0  | 80.0  | 58.0  | 55.0  | 52.0  |
| 80°   | 962.1  | 820.1  | 282.0  | 60.0  | 60.0  | 66.0  | 73.0  | 63.0  | 44.0  | 38.0  | 37.0  |
| 82.5° | 361.0  | 281.0  | 93.0   | 39.0  | 38.0  | 47.0  | 57.0  | 43.0  | 25.0  | 21.0  | 19.0  |
| 85°   | 27.0   | 33.0   | 34.0   | 19.0  | 17.0  | 19.0  | 23.0  | 12.0  | 7.0   | 5.0   | 5.0   |
| 87.5° | 4.0    | 4.0    | 4.0    | 3.0   | 2.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 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)