

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: P510892

Luminaire Tested: **USSL-P-C014-D-U-T2**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510892  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-C014-D-U-T2  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 600mA LED AND TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4775 lumens  
Efficiency: N/A  
Efficacy: 138.0 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): 34.6  
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

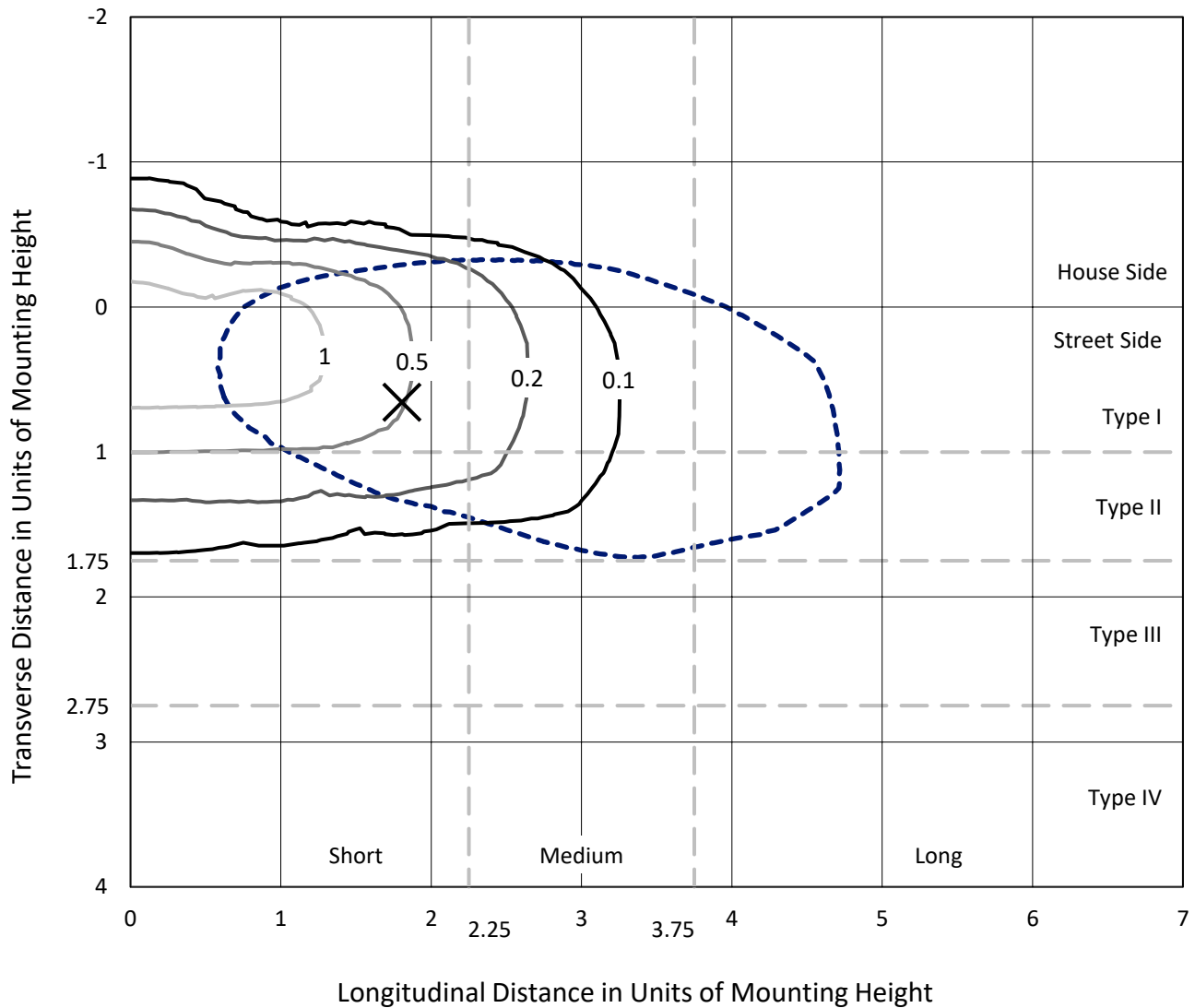


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## Iso-Footcandle Lines of Horizontal Illumination

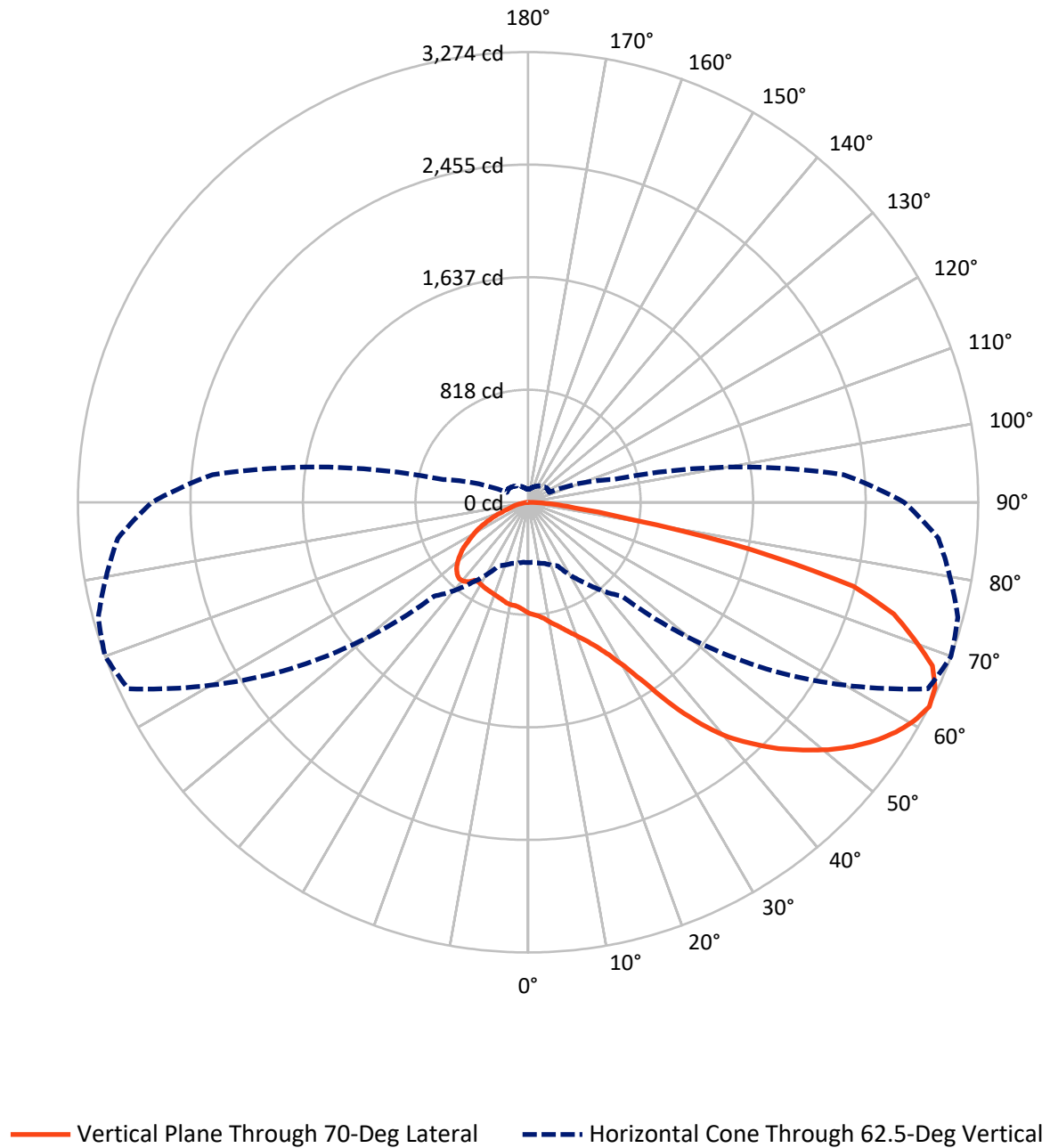
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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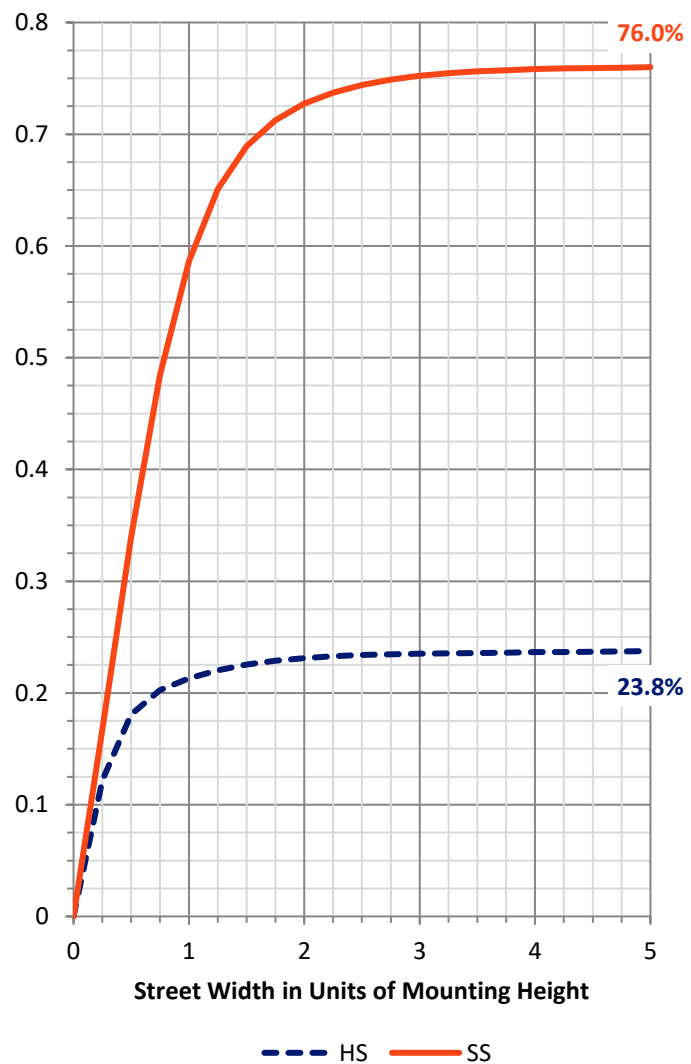
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1147.3   | 0.0    | 1147.3 |
|                    | % Fixture | 24.0     | 0.0    | 24.0   |
| <b>Street Side</b> | Lumens    | 3627.8   | 0.0    | 3627.8 |
|                    | % Fixture | 76.0     | 0.0    | 76.0   |
| <b>Total</b>       | Lumens    | 4775.0   | 0.0    | 4775.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 77.3   | 1.6       |
| 10°-20°   | 237.1  | 5.0       |
| 20°-30°   | 403.3  | 8.4       |
| 30°-40°   | 609.7  | 12.8      |
| 40°-50°   | 841.4  | 17.6      |
| 50°-60°   | 982.5  | 20.6      |
| 60°-70°   | 964.9  | 20.2      |
| 70°-80°   | 579.3  | 12.1      |
| 80°-90°   | 79.4   | 1.7       |
| 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°    | 4775.0 | 100.0     |
| 0°-180°   | 4775.0 | 100.0     |

**Coefficient of Utilization**



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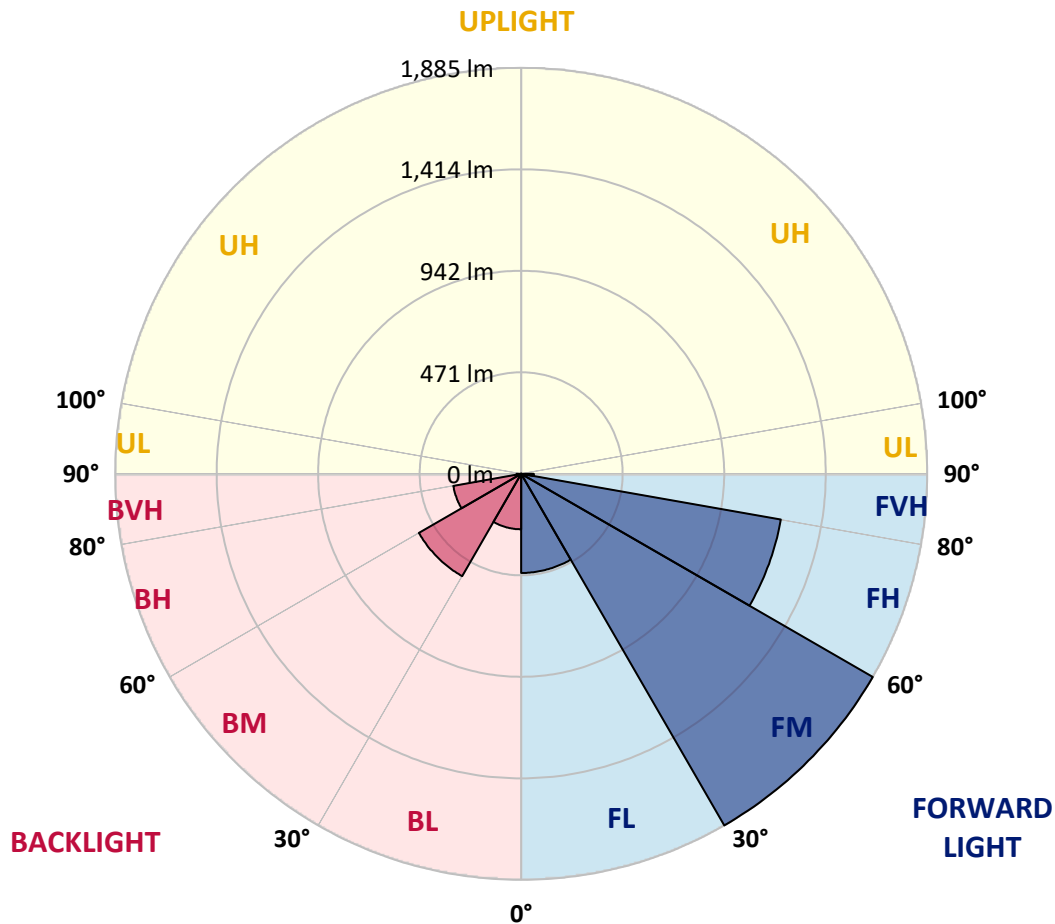
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 460.2  | 9.6       |                         |      |         |
| FM   | (30°-60°)   | 1885.0 | 39.5      |                         |      |         |
| FH   | (60°-80°)   | 1224.1 | 25.6      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 58.5   | 1.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 257.6  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 548.7  | 11.5      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 320.1  | 6.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 20.9   | 0.4       |                         |      | 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°    | 65°    | 70°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 805.9  | 805.9  | 805.9  | 805.9  | 805.9  | 805.9  | 805.9  | 805.9  | 805.9  | 805.9  | 805.9  |
| 2.5°  | 853.9  | 854.9  | 848.9  | 845.9  | 841.9  | 838.9  | 830.9  | 823.9  | 818.9  | 814.9  | 806.9  |
| 5°    | 901.9  | 900.9  | 894.9  | 883.9  | 876.9  | 866.9  | 849.9  | 837.9  | 830.9  | 822.9  | 806.9  |
| 7.5°  | 949.9  | 945.9  | 939.9  | 929.9  | 920.9  | 906.9  | 888.9  | 864.9  | 854.9  | 841.9  | 816.9  |
| 10°   | 989.9  | 989.9  | 987.9  | 978.9  | 968.9  | 949.9  | 931.9  | 903.9  | 886.9  | 867.9  | 831.9  |
| 12.5° | 1029.9 | 1028.9 | 1022.9 | 1017.9 | 1007.9 | 990.9  | 969.9  | 938.9  | 916.9  | 896.9  | 847.9  |
| 15°   | 1070.9 | 1068.9 | 1061.9 | 1054.9 | 1040.9 | 1027.9 | 1006.9 | 977.9  | 953.9  | 928.9  | 866.9  |
| 17.5° | 1113.9 | 1110.9 | 1101.9 | 1097.9 | 1081.9 | 1068.9 | 1051.9 | 1020.9 | 995.9  | 965.9  | 893.9  |
| 20°   | 1145.9 | 1144.9 | 1136.9 | 1134.9 | 1126.9 | 1111.9 | 1098.9 | 1071.9 | 1041.9 | 1009.9 | 924.9  |
| 22.5° | 1170.9 | 1170.9 | 1168.9 | 1172.9 | 1175.9 | 1165.9 | 1148.9 | 1125.9 | 1093.9 | 1062.9 | 964.9  |
| 25°   | 1188.9 | 1188.9 | 1195.9 | 1207.9 | 1224.9 | 1223.9 | 1215.9 | 1192.9 | 1165.9 | 1130.9 | 1015.9 |
| 27.5° | 1194.9 | 1195.9 | 1205.9 | 1236.9 | 1274.9 | 1285.9 | 1281.9 | 1275.9 | 1256.9 | 1213.9 | 1085.9 |
| 30°   | 1194.9 | 1195.9 | 1216.9 | 1260.9 | 1321.9 | 1350.9 | 1362.9 | 1389.9 | 1383.9 | 1351.9 | 1204.9 |
| 32.5° | 1177.9 | 1179.9 | 1206.9 | 1268.9 | 1353.9 | 1408.9 | 1452.9 | 1540.9 | 1566.9 | 1572.9 | 1424.9 |
| 35°   | 1115.9 | 1120.9 | 1164.9 | 1257.9 | 1379.9 | 1479.9 | 1568.9 | 1740.8 | 1818.8 | 1825.8 | 1659.8 |
| 37.5° | 1061.9 | 1064.9 | 1124.9 | 1235.9 | 1395.9 | 1544.9 | 1693.8 | 1963.8 | 2047.8 | 2046.8 | 1841.8 |
| 40°   | 1010.9 | 1016.9 | 1073.9 | 1200.9 | 1393.9 | 1601.8 | 1820.8 | 2163.8 | 2247.8 | 2214.8 | 1994.8 |
| 42.5° | 952.9  | 959.9  | 1014.9 | 1156.9 | 1380.9 | 1653.8 | 1943.8 | 2347.8 | 2401.8 | 2382.8 | 2146.8 |
| 45°   | 890.9  | 893.9  | 950.9  | 1084.9 | 1350.9 | 1685.8 | 2061.8 | 2509.8 | 2554.8 | 2519.8 | 2281.8 |
| 47.5° | 834.9  | 838.9  | 886.9  | 1012.9 | 1293.9 | 1695.8 | 2165.8 | 2653.7 | 2691.7 | 2662.7 | 2402.8 |
| 50°   | 663.9  | 675.9  | 816.9  | 947.9  | 1209.9 | 1674.8 | 2263.8 | 2782.7 | 2827.7 | 2789.7 | 2529.8 |
| 52.5° | 572.9  | 579.9  | 635.9  | 880.9  | 1097.9 | 1618.8 | 2332.8 | 2912.7 | 2951.7 | 2901.7 | 2639.8 |
| 55°   | 535.9  | 536.9  | 569.9  | 752.9  | 1005.9 | 1523.9 | 2373.8 | 3030.7 | 3060.7 | 3011.7 | 2749.7 |
| 57.5° | 503.0  | 508.0  | 536.9  | 613.9  | 916.9  | 1351.9 | 2375.8 | 3119.7 | 3153.7 | 3092.7 | 2839.7 |
| 60°   | 466.0  | 470.0  | 503.0  | 554.9  | 814.9  | 1128.9 | 2292.8 | 3196.7 | 3226.7 | 3174.7 | 2928.7 |
| 62.5° | 437.0  | 438.0  | 460.0  | 510.0  | 712.9  | 964.9  | 2111.8 | 3207.7 | 3273.7 | 3235.7 | 2994.7 |
| 65°   | 402.0  | 404.0  | 426.0  | 470.0  | 629.9  | 838.9  | 1907.8 | 3145.7 | 3252.7 | 3253.7 | 3030.7 |
| 67.5° | 357.0  | 358.0  | 382.0  | 426.0  | 544.9  | 741.9  | 1571.9 | 3081.7 | 3170.7 | 3187.7 | 2958.7 |
| 70°   | 297.0  | 303.0  | 324.0  | 366.0  | 462.0  | 627.9  | 1194.9 | 2902.7 | 2979.7 | 3023.7 | 2771.7 |
| 72.5° | 225.0  | 235.0  | 261.0  | 305.0  | 371.0  | 526.0  | 839.9  | 2626.8 | 2781.7 | 2812.7 | 2497.8 |
| 75°   | 47.0   | 48.0   | 78.0   | 161.0  | 300.0  | 408.0  | 575.9  | 1997.8 | 2446.8 | 2498.8 | 2122.8 |
| 77.5° | 21.0   | 23.0   | 36.0   | 54.0   | 97.0   | 263.0  | 377.0  | 1047.9 | 1661.8 | 1950.8 | 1675.8 |
| 80°   | 16.0   | 17.0   | 29.0   | 43.0   | 60.0   | 79.0   | 186.0  | 575.9  | 771.9  | 1078.9 | 1127.9 |
| 82.5° | 9.0    | 10.0   | 19.0   | 31.0   | 38.0   | 36.0   | 77.0   | 250.0  | 346.0  | 438.0  | 549.9  |
| 85°   | 5.0    | 6.0    | 11.0   | 17.0   | 16.0   | 18.0   | 34.0   | 133.0  | 197.0  | 260.0  | 278.0  |
| 87.5° | 2.0    | 3.0    | 4.0    | 6.0    | 6.0    | 5.0    | 6.0    | 25.0   | 36.0   | 34.0   | 24.0   |
| 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°    | 805.9  | 805.9  | 805.9  | 805.9 | 805.9 | 805.9 | 805.9 | 805.9 | 805.9 | 805.9 | 805.9 |
| 2.5°  | 802.9  | 797.9  | 789.9  | 781.9 | 774.9 | 768.9 | 762.9 | 760.9 | 759.9 | 759.9 | 763.9 |
| 5°    | 798.9  | 790.9  | 774.9  | 760.9 | 746.9 | 736.9 | 728.9 | 720.9 | 720.9 | 718.9 | 718.9 |
| 7.5°  | 803.9  | 791.9  | 767.9  | 746.9 | 728.9 | 714.9 | 705.9 | 696.9 | 691.9 | 690.9 | 690.9 |
| 10°   | 813.9  | 798.9  | 768.9  | 741.9 | 718.9 | 696.9 | 682.9 | 668.9 | 660.9 | 656.9 | 657.9 |
| 12.5° | 823.9  | 801.9  | 764.9  | 731.9 | 700.9 | 672.9 | 648.9 | 628.9 | 619.9 | 620.9 | 620.9 |
| 15°   | 833.9  | 806.9  | 754.9  | 713.9 | 675.9 | 639.9 | 615.9 | 594.9 | 581.9 | 579.9 | 582.9 |
| 17.5° | 853.9  | 816.9  | 750.9  | 696.9 | 649.9 | 607.9 | 584.9 | 567.9 | 543.9 | 543.9 | 541.9 |
| 20°   | 877.9  | 833.9  | 751.9  | 678.9 | 622.9 | 574.9 | 547.9 | 531.9 | 511.0 | 499.0 | 496.0 |
| 22.5° | 908.9  | 856.9  | 753.9  | 661.9 | 593.9 | 540.9 | 505.0 | 485.0 | 470.0 | 453.0 | 450.0 |
| 25°   | 952.9  | 884.9  | 758.9  | 644.9 | 562.9 | 502.0 | 456.0 | 430.0 | 413.0 | 394.0 | 393.0 |
| 27.5° | 1001.9 | 916.9  | 763.9  | 627.9 | 527.0 | 453.0 | 395.0 | 366.0 | 352.0 | 343.0 | 340.0 |
| 30°   | 1083.9 | 969.9  | 770.9  | 607.9 | 484.0 | 389.0 | 332.0 | 314.0 | 303.0 | 283.0 | 287.0 |
| 32.5° | 1289.9 | 1108.9 | 778.9  | 584.9 | 440.0 | 332.0 | 290.0 | 268.0 | 248.0 | 233.0 | 232.0 |
| 35°   | 1488.9 | 1287.9 | 817.9  | 558.9 | 386.0 | 278.0 | 251.0 | 220.0 | 196.0 | 189.0 | 189.0 |
| 37.5° | 1663.8 | 1436.9 | 912.9  | 534.9 | 333.0 | 249.0 | 209.0 | 185.0 | 170.0 | 160.0 | 172.0 |
| 40°   | 1818.8 | 1586.9 | 983.9  | 501.0 | 276.0 | 214.0 | 168.0 | 160.0 | 151.0 | 149.0 | 150.0 |
| 42.5° | 1955.8 | 1704.8 | 1038.9 | 458.0 | 235.0 | 175.0 | 146.0 | 153.0 | 152.0 | 151.0 | 147.0 |
| 45°   | 2090.8 | 1822.8 | 1073.9 | 396.0 | 201.0 | 149.0 | 144.0 | 155.0 | 156.0 | 156.0 | 152.0 |
| 47.5° | 2205.8 | 1923.8 | 1095.9 | 326.0 | 172.0 | 148.0 | 148.0 | 150.0 | 156.0 | 158.0 | 156.0 |
| 50°   | 2321.8 | 2015.8 | 1094.9 | 254.0 | 170.0 | 155.0 | 150.0 | 145.0 | 150.0 | 145.0 | 144.0 |
| 52.5° | 2434.8 | 2096.8 | 1051.9 | 207.0 | 176.0 | 164.0 | 151.0 | 142.0 | 134.0 | 134.0 | 130.0 |
| 55°   | 2526.8 | 2164.8 | 968.9  | 194.0 | 182.0 | 169.0 | 152.0 | 139.0 | 128.0 | 119.0 | 124.0 |
| 57.5° | 2610.8 | 2231.8 | 845.9  | 189.0 | 182.0 | 168.0 | 152.0 | 136.0 | 123.0 | 110.0 | 104.0 |
| 60°   | 2688.7 | 2288.8 | 740.9  | 180.0 | 181.0 | 164.0 | 148.0 | 132.0 | 114.0 | 101.0 | 97.0  |
| 62.5° | 2734.7 | 2303.8 | 637.9  | 170.0 | 173.0 | 160.0 | 145.0 | 128.0 | 110.0 | 96.0  | 94.0  |
| 65°   | 2723.7 | 2261.8 | 513.0  | 159.0 | 166.0 | 155.0 | 140.0 | 121.0 | 103.0 | 89.0  | 85.0  |
| 67.5° | 2617.8 | 2099.8 | 394.0  | 143.0 | 155.0 | 148.0 | 132.0 | 99.0  | 60.0  | 49.0  | 50.0  |
| 70°   | 2384.8 | 1888.8 | 279.0  | 122.0 | 136.0 | 134.0 | 101.0 | 67.0  | 48.0  | 38.0  | 41.0  |
| 72.5° | 2110.8 | 1633.8 | 193.0  | 96.0  | 103.0 | 94.0  | 77.0  | 58.0  | 41.0  | 32.0  | 32.0  |
| 75°   | 1757.8 | 1308.9 | 145.0  | 78.0  | 54.0  | 65.0  | 66.0  | 51.0  | 41.0  | 48.0  | 53.0  |
| 77.5° | 1371.9 | 967.9  | 115.0  | 62.0  | 24.0  | 36.0  | 48.0  | 43.0  | 73.0  | 76.0  | 71.0  |
| 80°   | 920.9  | 653.9  | 90.0   | 21.0  | 13.0  | 15.0  | 29.0  | 59.0  | 61.0  | 34.0  | 32.0  |
| 82.5° | 510.0  | 341.0  | 38.0   | 12.0  | 7.0   | 8.0   | 15.0  | 77.0  | 40.0  | 31.0  | 30.0  |
| 85°   | 235.0  | 144.0  | 14.0   | 6.0   | 4.0   | 4.0   | 4.0   | 13.0  | 8.0   | 6.0   | 8.0   |
| 87.5° | 18.0   | 11.0   | 3.0    | 2.0   | 2.0   | 1.0   | 0.0   | 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)