

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: P510963

Luminaire Tested: **USSL-P-C016-D-U-T4-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510963  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-C016-D-U-T4-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 880mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6325 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 49.1  
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

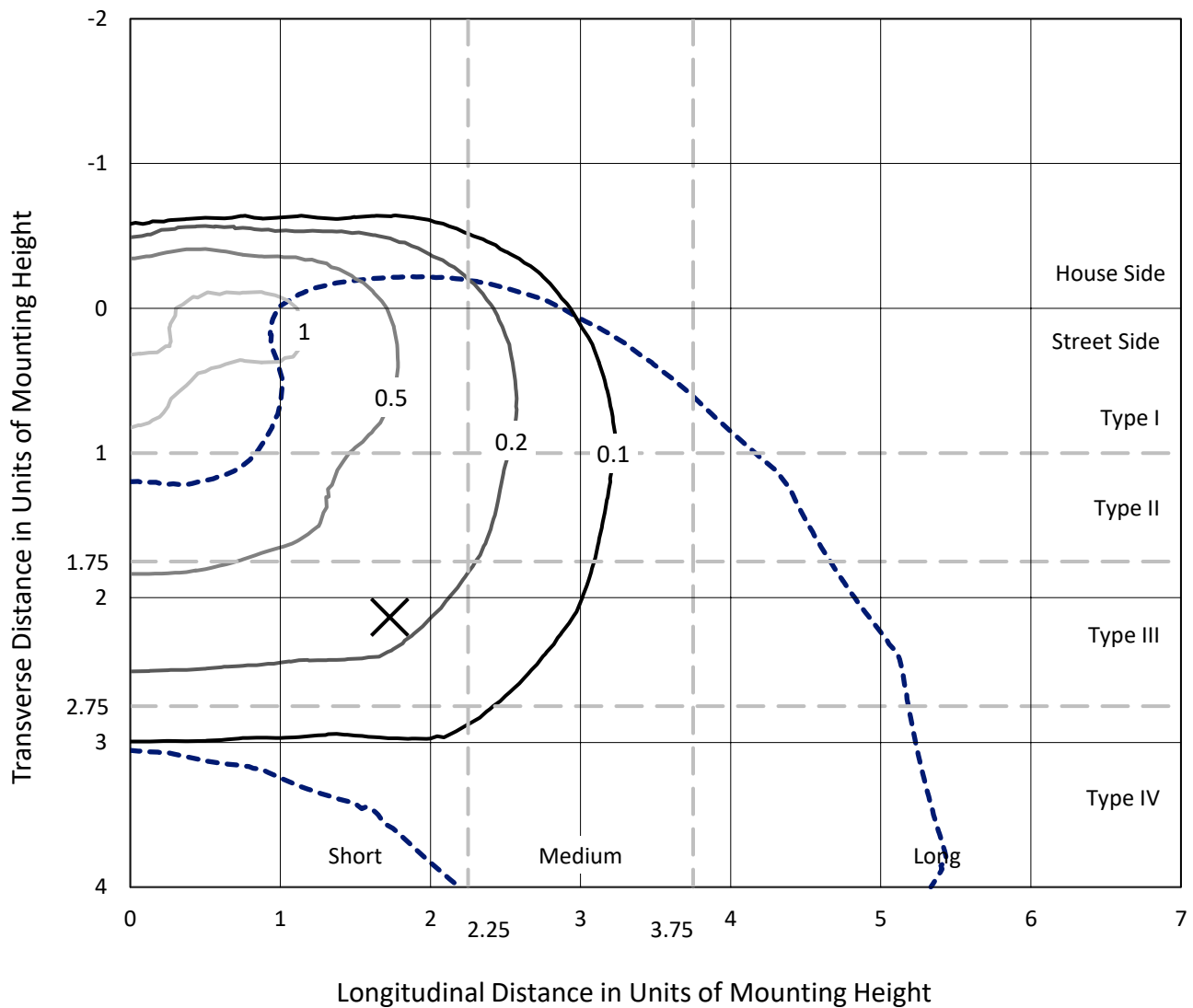


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

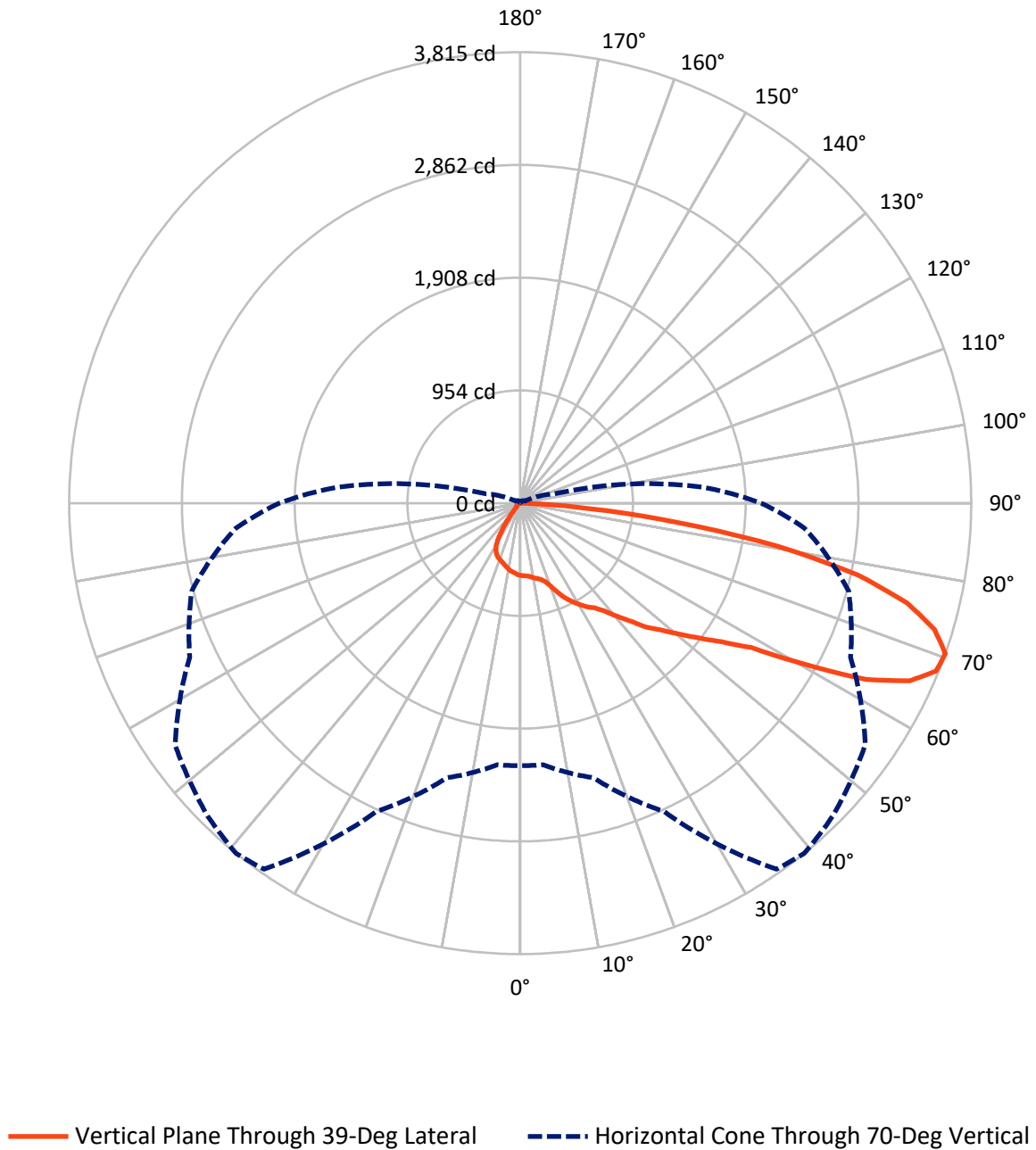


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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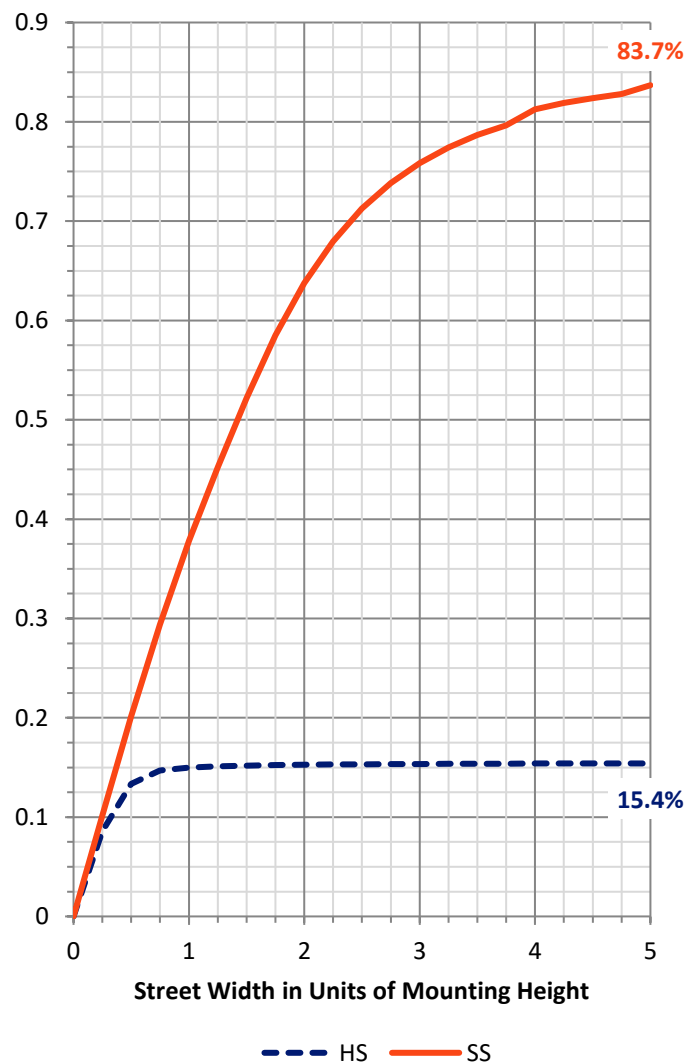
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 984.2    | 0.0    | 984.2  |
|                    | % Fixture | 15.6     | 0.0    | 15.6   |
| <b>Street Side</b> | Lumens    | 5340.8   | 0.0    | 5340.8 |
|                    | % Fixture | 84.4     | 0.0    | 84.4   |
| <b>Total</b>       | Lumens    | 6325.0   | 0.0    | 6325.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.2   | 0.9       |
| 10°-20°   | 177.8  | 2.8       |
| 20°-30°   | 333.3  | 5.3       |
| 30°-40°   | 526.2  | 8.3       |
| 40°-50°   | 819.9  | 13.0      |
| 50°-60°   | 1240.6 | 19.6      |
| 60°-70°   | 1661.5 | 26.3      |
| 70°-80°   | 1279.4 | 20.2      |
| 80°-90°   | 228.0  | 3.6       |
| 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°    | 6325.0 | 100.0     |
| 0°-180°   | 6325.0 | 100.0     |

**Coefficient of Utilization**



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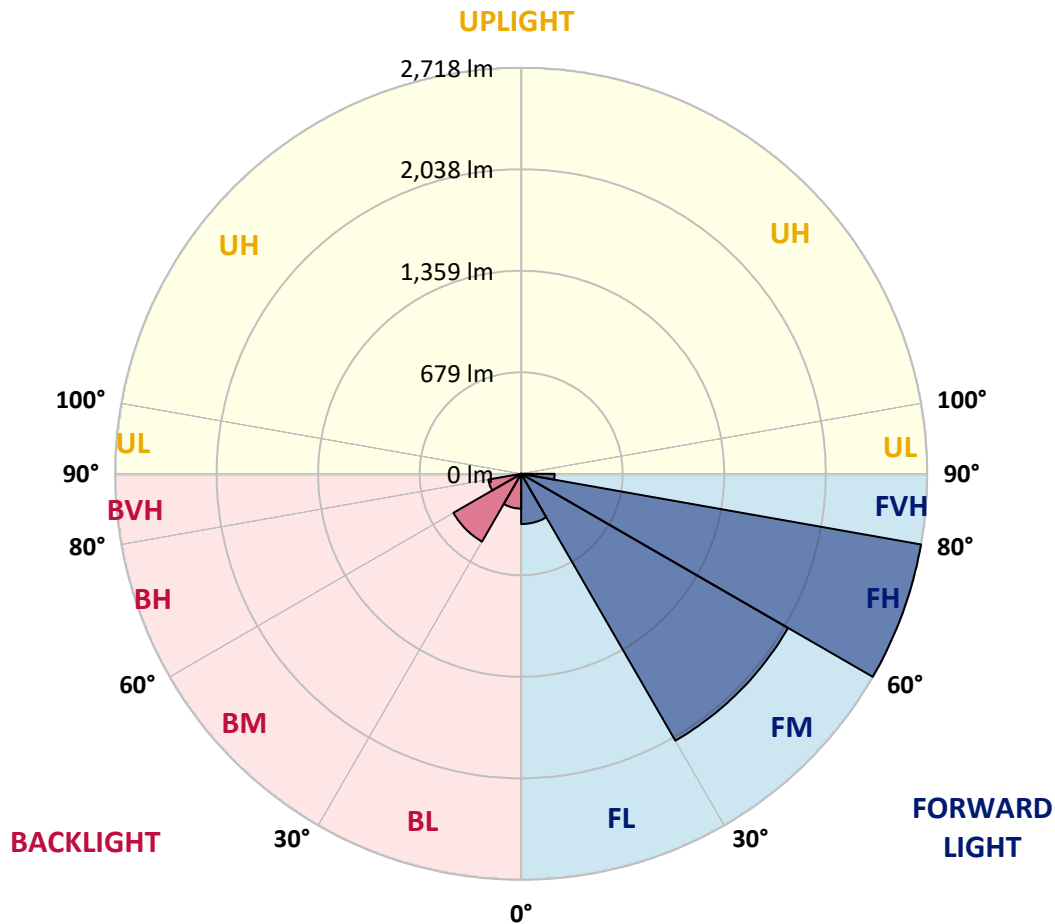
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 336.4  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 2062.8 | 32.6      |                         |      |         |
| FH   | (60°-80°)   | 2718.0 | 43.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 223.7  | 3.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 232.9  | 3.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 524.0  | 8.3       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 223.0  | 3.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.4    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 39°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 612.0  | 612.0  | 612.0  | 612.0  | 612.0  | 612.0  | 612.0  | 612.0  | 612.0  | 612.0  | 612.0  |
| 2.5°  | 612.0  | 614.8  | 614.8  | 614.8  | 614.8  | 614.8  | 614.8  | 613.4  | 614.8  | 617.6  | 614.8  |
| 5°    | 614.8  | 616.2  | 616.2  | 619.0  | 619.0  | 619.0  | 619.0  | 617.6  | 619.0  | 619.0  | 616.2  |
| 7.5°  | 621.8  | 621.8  | 623.2  | 626.1  | 628.9  | 628.9  | 628.9  | 630.3  | 630.3  | 627.5  | 626.1  |
| 10°   | 628.9  | 628.9  | 630.3  | 635.9  | 641.5  | 644.3  | 645.8  | 648.6  | 650.0  | 647.2  | 642.9  |
| 12.5° | 637.3  | 637.3  | 638.7  | 644.3  | 651.4  | 654.2  | 658.4  | 664.0  | 666.9  | 665.4  | 659.8  |
| 15°   | 650.0  | 650.0  | 652.8  | 658.4  | 669.7  | 671.1  | 676.7  | 685.1  | 689.4  | 689.4  | 683.7  |
| 17.5° | 693.6  | 696.4  | 693.6  | 692.2  | 697.8  | 700.6  | 704.8  | 714.7  | 723.1  | 723.1  | 721.7  |
| 20°   | 778.0  | 773.8  | 769.6  | 763.9  | 755.5  | 755.5  | 751.3  | 752.7  | 759.7  | 771.0  | 769.6  |
| 22.5° | 854.0  | 855.4  | 851.2  | 841.3  | 827.2  | 823.0  | 814.6  | 811.8  | 811.8  | 823.0  | 825.8  |
| 25°   | 915.9  | 920.1  | 918.7  | 904.6  | 889.1  | 890.5  | 889.1  | 886.3  | 883.5  | 884.9  | 890.5  |
| 27.5° | 966.5  | 967.9  | 963.7  | 955.3  | 945.4  | 945.4  | 945.4  | 951.0  | 965.1  | 965.1  | 966.5  |
| 30°   | 1007.3 | 1010.1 | 1005.9 | 1003.1 | 998.9  | 996.1  | 996.1  | 1017.2 | 1046.7 | 1067.8 | 1080.5 |
| 32.5° | 1093.1 | 1083.3 | 1070.6 | 1042.5 | 1046.7 | 1046.7 | 1049.5 | 1077.7 | 1128.3 | 1167.7 | 1208.5 |
| 35°   | 1170.5 | 1171.9 | 1153.6 | 1133.9 | 1088.9 | 1087.5 | 1103.0 | 1139.6 | 1204.3 | 1283.1 | 1354.8 |
| 37.5° | 1271.8 | 1271.8 | 1256.3 | 1221.2 | 1179.0 | 1156.4 | 1149.4 | 1200.1 | 1288.7 | 1423.7 | 1515.2 |
| 40°   | 1402.6 | 1402.6 | 1375.9 | 1326.7 | 1271.8 | 1256.3 | 1228.2 | 1267.6 | 1388.6 | 1603.8 | 1691.1 |
| 42.5° | 1494.1 | 1492.7 | 1474.4 | 1423.7 | 1378.7 | 1360.4 | 1347.8 | 1360.4 | 1526.4 | 1798.0 | 1882.4 |
| 45°   | 1558.8 | 1567.2 | 1556.0 | 1533.5 | 1512.4 | 1495.5 | 1491.3 | 1519.4 | 1678.4 | 1996.3 | 2032.9 |
| 47.5° | 1639.0 | 1646.0 | 1617.9 | 1606.6 | 1608.0 | 1603.8 | 1633.4 | 1709.3 | 1843.0 | 2166.6 | 2173.6 |
| 50°   | 1871.1 | 1864.1 | 1771.2 | 1726.2 | 1720.6 | 1738.9 | 1792.3 | 1864.1 | 2030.1 | 2324.1 | 2298.8 |
| 52.5° | 2173.6 | 2123.0 | 1962.6 | 1885.2 | 1866.9 | 1895.0 | 1933.0 | 2040.0 | 2266.5 | 2478.9 | 2397.3 |
| 55°   | 2460.6 | 2432.5 | 2319.9 | 2121.6 | 2051.2 | 2069.5 | 2103.3 | 2201.7 | 2467.6 | 2606.9 | 2488.7 |
| 57.5° | 2666.0 | 2657.6 | 2644.9 | 2553.5 | 2324.1 | 2303.0 | 2307.3 | 2373.4 | 2632.2 | 2750.4 | 2566.1 |
| 60°   | 2805.3 | 2826.4 | 2893.9 | 2882.7 | 2850.3 | 2767.3 | 2577.4 | 2554.9 | 2796.8 | 2843.3 | 2625.2 |
| 62.5° | 2882.7 | 2893.9 | 3009.3 | 3104.9 | 3280.8 | 3285.0 | 3106.4 | 2761.7 | 2940.3 | 2915.0 | 2649.1 |
| 65°   | 2796.8 | 2819.4 | 2965.7 | 3162.6 | 3567.8 | 3622.7 | 3562.2 | 3109.2 | 3065.6 | 2950.2 | 2639.3 |
| 67.5° | 2567.5 | 2571.7 | 2740.6 | 3103.5 | 3764.8 | 3792.9 | 3740.9 | 3503.1 | 3107.8 | 2933.3 | 2560.5 |
| 70°   | 2220.0 | 2222.8 | 2405.7 | 2877.0 | 3780.2 | 3815.4 | 3740.9 | 3563.6 | 3083.8 | 2877.0 | 2412.8 |
| 72.5° | 1796.6 | 1828.9 | 2003.4 | 2500.0 | 3641.0 | 3666.3 | 3621.3 | 3480.6 | 3026.2 | 2775.7 | 2111.7 |
| 75°   | 1356.2 | 1367.5 | 1551.8 | 1959.8 | 3256.9 | 3382.1 | 3399.0 | 3331.5 | 2896.7 | 2428.2 | 1626.3 |
| 77.5° | 863.8  | 876.5  | 1056.6 | 1491.3 | 2677.3 | 2917.8 | 3058.5 | 3050.1 | 2485.9 | 1903.5 | 966.5  |
| 80°   | 405.2  | 409.4  | 602.1  | 1014.3 | 1979.5 | 2203.1 | 2439.5 | 2463.4 | 1892.2 | 1056.6 | 281.4  |
| 82.5° | 114.0  | 126.6  | 230.7  | 565.6  | 1260.6 | 1347.8 | 1594.0 | 1495.5 | 614.8  | 125.2  | 40.8   |
| 85°   | 50.6   | 53.5   | 94.3   | 209.6  | 491.0  | 585.3  | 685.1  | 650.0  | 71.8   | 35.2   | 23.9   |
| 87.5° | 29.5   | 31.0   | 38.0   | 54.9   | 76.0   | 77.4   | 97.1   | 85.8   | 16.9   | 15.5   | 8.4    |
| 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°    | 612.0  | 612.0  | 612.0  | 612.0 | 612.0 | 612.0 | 612.0 | 612.0 | 612.0 | 612.0 | 612.0 |
| 2.5°  | 614.8  | 613.4  | 613.4  | 612.0 | 609.2 | 606.4 | 603.5 | 602.1 | 599.3 | 599.3 | 596.5 |
| 5°    | 614.8  | 613.4  | 610.6  | 607.8 | 602.1 | 595.1 | 588.1 | 583.8 | 581.0 | 578.2 | 581.0 |
| 7.5°  | 624.6  | 621.8  | 616.2  | 609.2 | 599.3 | 588.1 | 578.2 | 569.8 | 564.2 | 562.7 | 562.7 |
| 10°   | 640.1  | 637.3  | 627.5  | 614.8 | 597.9 | 581.0 | 562.7 | 550.1 | 541.6 | 538.8 | 536.0 |
| 12.5° | 655.6  | 652.8  | 640.1  | 620.4 | 596.5 | 568.4 | 543.0 | 526.2 | 512.1 | 509.3 | 505.1 |
| 15°   | 680.9  | 675.3  | 658.4  | 630.3 | 595.1 | 557.1 | 521.9 | 496.6 | 478.3 | 471.3 | 467.1 |
| 17.5° | 717.5  | 711.9  | 690.8  | 651.4 | 603.5 | 550.1 | 500.8 | 460.0 | 431.9 | 419.2 | 416.4 |
| 20°   | 768.1  | 761.1  | 731.6  | 679.5 | 617.6 | 548.7 | 481.1 | 422.1 | 377.0 | 354.5 | 348.9 |
| 22.5° | 827.2  | 818.8  | 782.2  | 711.9 | 633.1 | 547.3 | 461.5 | 386.9 | 325.0 | 288.4 | 271.5 |
| 25°   | 892.0  | 889.1  | 827.2  | 738.6 | 641.5 | 537.4 | 437.5 | 351.7 | 265.9 | 206.8 | 198.4 |
| 27.5° | 973.6  | 958.1  | 869.4  | 756.9 | 638.7 | 516.3 | 408.0 | 295.4 | 184.3 | 142.1 | 135.1 |
| 30°   | 1073.4 | 1035.5 | 914.5  | 772.4 | 626.1 | 489.6 | 358.8 | 205.4 | 114.0 | 90.0  | 87.2  |
| 32.5° | 1183.2 | 1121.3 | 956.7  | 778.0 | 605.0 | 450.2 | 268.7 | 121.0 | 67.5  | 52.1  | 52.1  |
| 35°   | 1309.8 | 1221.2 | 1001.7 | 772.4 | 567.0 | 378.4 | 166.0 | 64.7  | 36.6  | 32.4  | 32.4  |
| 37.5° | 1461.7 | 1352.0 | 1048.1 | 754.1 | 514.9 | 282.8 | 94.3  | 32.4  | 29.5  | 28.1  | 28.1  |
| 40°   | 1630.6 | 1508.2 | 1112.8 | 723.1 | 443.2 | 187.1 | 42.2  | 28.1  | 28.1  | 26.7  | 26.7  |
| 42.5° | 1793.8 | 1651.7 | 1190.2 | 683.7 | 361.6 | 106.9 | 32.4  | 29.5  | 25.3  | 23.9  | 23.9  |
| 45°   | 1941.5 | 1775.5 | 1256.3 | 635.9 | 268.7 | 52.1  | 33.8  | 25.3  | 22.5  | 22.5  | 22.5  |
| 47.5° | 2063.9 | 1890.8 | 1304.2 | 586.7 | 180.1 | 36.6  | 35.2  | 23.9  | 21.1  | 19.7  | 19.7  |
| 50°   | 2173.6 | 1972.4 | 1330.9 | 523.4 | 97.1  | 36.6  | 31.0  | 23.9  | 19.7  | 19.7  | 19.7  |
| 52.5° | 2265.1 | 2044.2 | 1336.5 | 440.3 | 47.8  | 36.6  | 32.4  | 23.9  | 18.3  | 21.1  | 21.1  |
| 55°   | 2338.2 | 2085.0 | 1312.6 | 347.5 | 40.8  | 33.8  | 32.4  | 22.5  | 18.3  | 22.5  | 23.9  |
| 57.5° | 2395.9 | 2101.9 | 1262.0 | 239.2 | 40.8  | 32.4  | 32.4  | 21.1  | 16.9  | 18.3  | 18.3  |
| 60°   | 2421.2 | 2103.3 | 1188.8 | 133.7 | 39.4  | 32.4  | 31.0  | 21.1  | 15.5  | 12.7  | 12.7  |
| 62.5° | 2414.2 | 2072.3 | 1062.2 | 68.9  | 35.2  | 31.0  | 28.1  | 19.7  | 12.7  | 8.4   | 8.4   |
| 65°   | 2362.1 | 1992.1 | 899.0  | 50.6  | 32.4  | 29.5  | 26.7  | 18.3  | 11.3  | 7.0   | 7.0   |
| 67.5° | 2245.4 | 1833.1 | 661.2  | 46.4  | 33.8  | 28.1  | 23.9  | 16.9  | 9.8   | 5.6   | 5.6   |
| 70°   | 2038.5 | 1553.2 | 310.9  | 43.6  | 35.2  | 28.1  | 22.5  | 15.5  | 8.4   | 4.2   | 4.2   |
| 72.5° | 1632.0 | 1066.4 | 73.2   | 38.0  | 33.8  | 26.7  | 22.5  | 12.7  | 5.6   | 2.8   | 2.8   |
| 75°   | 1073.4 | 493.8  | 54.9   | 32.4  | 31.0  | 23.9  | 19.7  | 14.1  | 5.6   | 1.4   | 1.4   |
| 77.5° | 468.5  | 90.0   | 49.2   | 25.3  | 31.0  | 26.7  | 16.9  | 9.8   | 2.8   | 0.0   | 0.0   |
| 80°   | 67.5   | 50.6   | 47.8   | 16.9  | 28.1  | 15.5  | 7.0   | 2.8   | 1.4   | 0.0   | 0.0   |
| 82.5° | 35.2   | 43.6   | 43.6   | 9.8   | 12.7  | 2.8   | 2.8   | 1.4   | 0.0   | 0.0   | 0.0   |
| 85°   | 26.7   | 39.4   | 16.9   | 7.0   | 2.8   | 1.4   | 1.4   | 1.4   | 0.0   | 0.0   | 0.0   |
| 87.5° | 8.4    | 5.6    | 4.2    | 2.8   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 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)