

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: P286958

Luminaire Tested: **USSL-C01-D-U-T3-BZ**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P286958  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-6)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-C01-D-U-T3-BZ  
Description: PREVAIL AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K LED AND TYPE III OPTIC, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7111 lumens  
Efficiency: N/A  
Efficacy: 136.8 lumens/watt  
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 52  
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



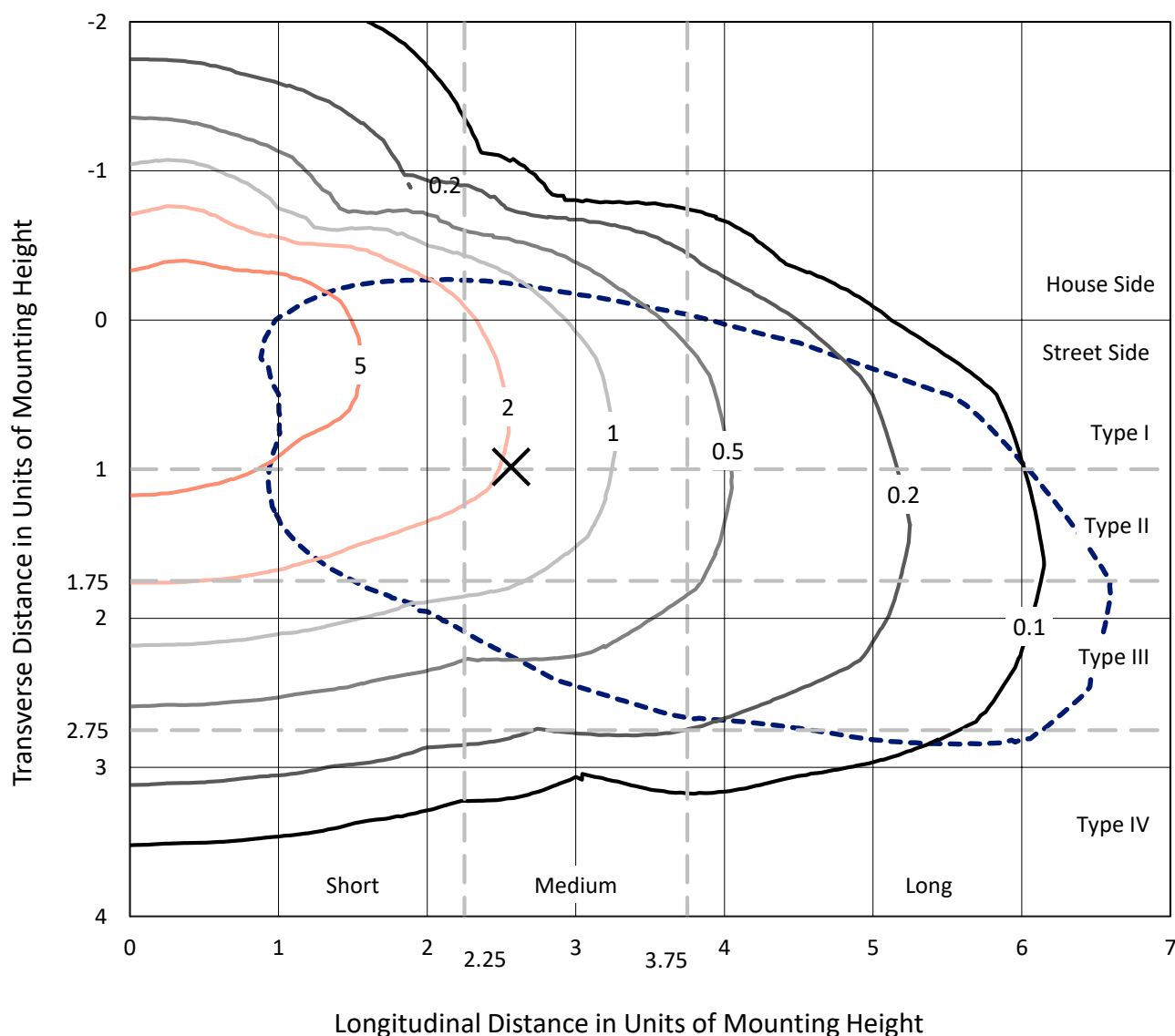
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

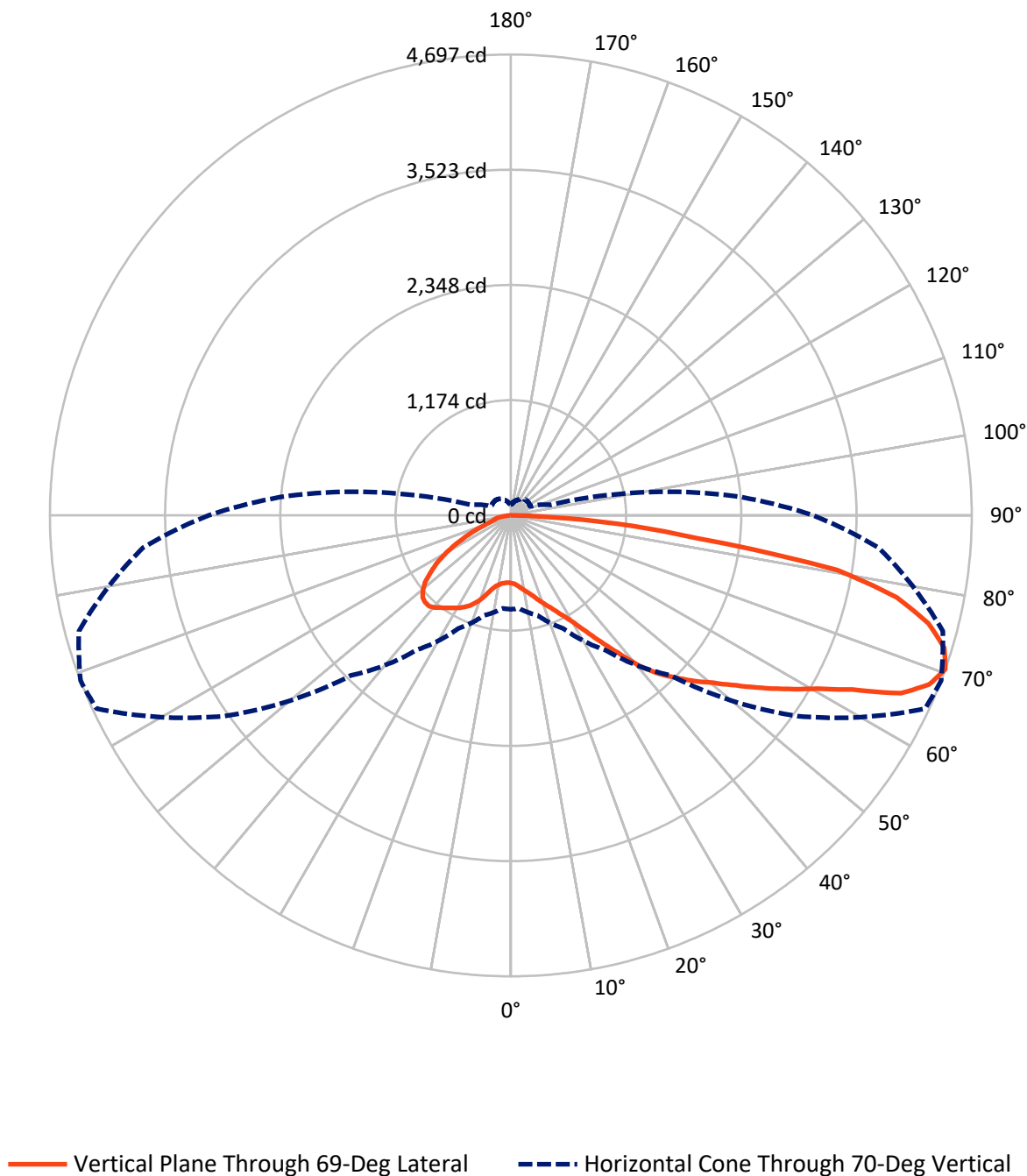


Based on 10 foot mounting height. Maximum calculated value = 9.8 fc  
 Type III - Medium - Non-Cutoff

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## Luminous Intensity Polar Plot



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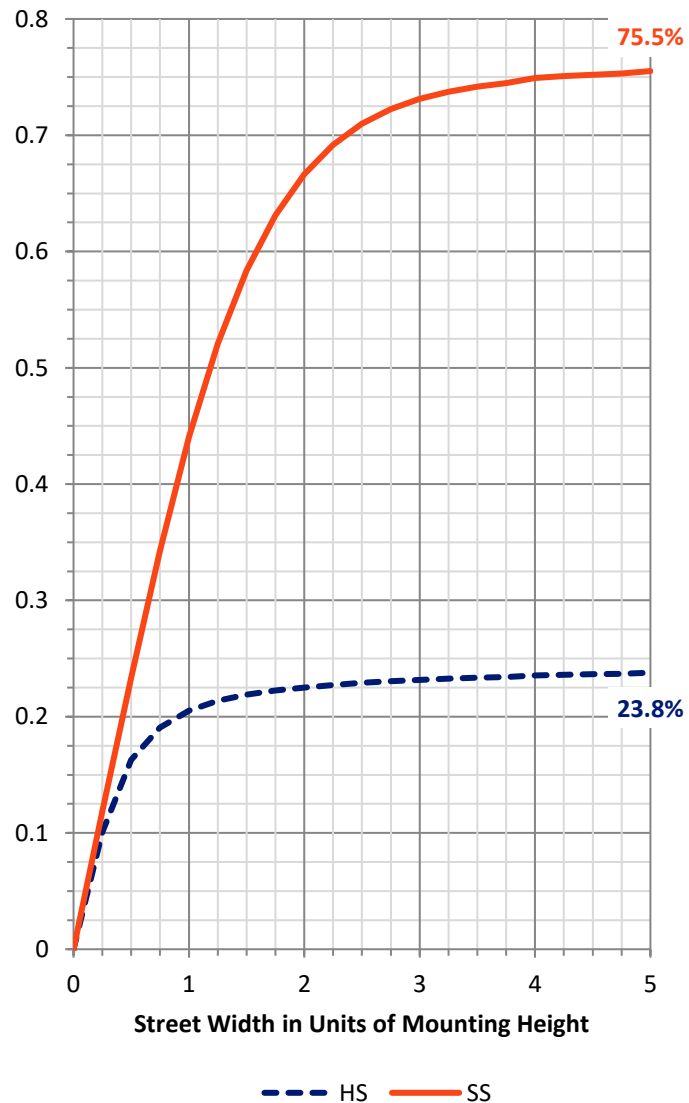
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1724.8   | 0.0    | 1724.8 |
|                    | % Fixture | 24.3     | 0.0    | 24.3   |
| <b>Street Side</b> | Lumens    | 5386.2   | 0.0    | 5386.2 |
|                    | % Fixture | 75.7     | 0.0    | 75.7   |
| <b>Total</b>       | Lumens    | 7111.0   | 0.0    | 7111.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 68.4   | 1.0       |
| 10°-20°   | 224.9  | 3.2       |
| 20°-30°   | 422.9  | 5.9       |
| 30°-40°   | 724.0  | 10.2      |
| 40°-50°   | 1105.8 | 15.6      |
| 50°-60°   | 1430.0 | 20.1      |
| 60°-70°   | 1626.6 | 22.9      |
| 70°-80°   | 1239.5 | 17.4      |
| 80°-90°   | 268.9  | 3.8       |
| 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°    | 7111.0 | 100.0     |
| 0°-180°   | 7111.0 | 100.0     |

**Coefficient of Utilization**



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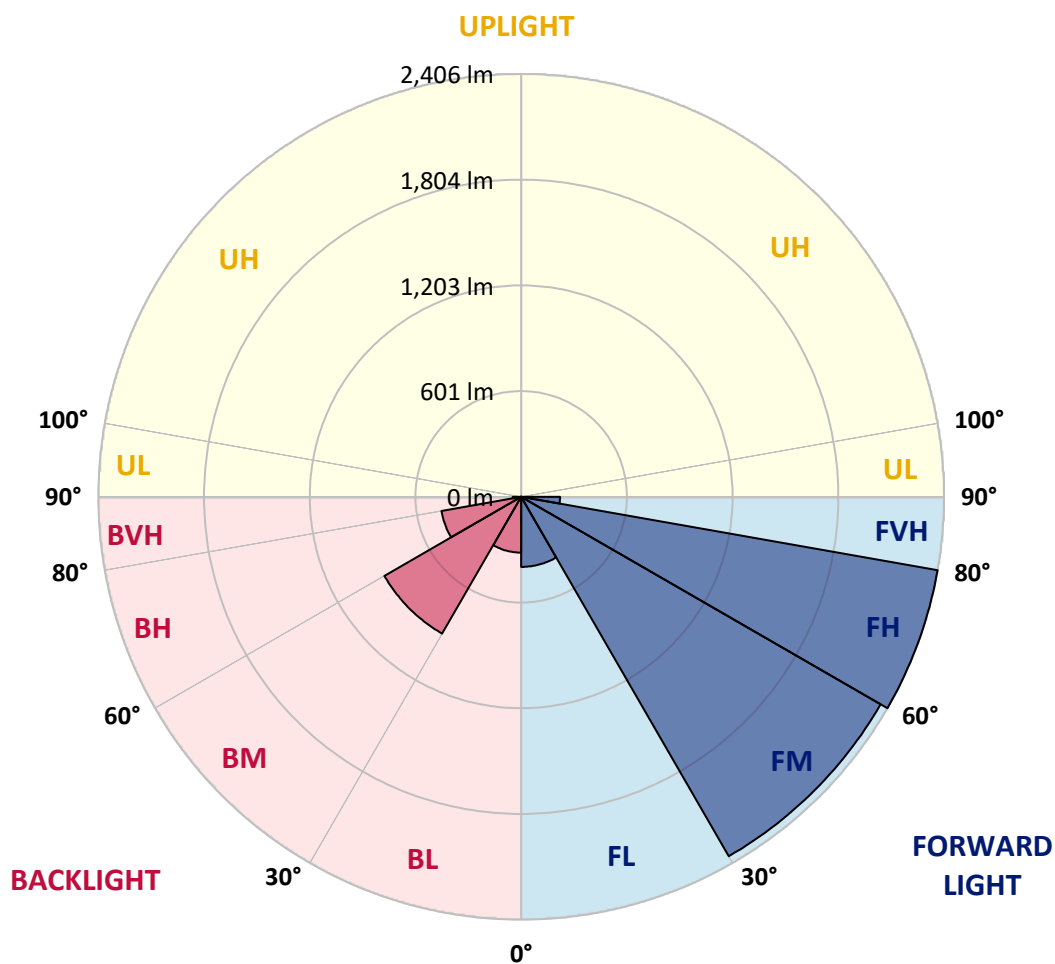
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 398.6  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 2361.0 | 33.2      |                         |      |         |
| FH   | (60°-80°)   | 2405.6 | 33.8      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 221.0  | 3.1       |                         |      | G2/225  |
| BL   | (0°-30°)    | 317.5  | 4.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 898.8  | 12.6      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 460.5  | 6.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 47.9   | 0.7       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 69°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 690.7  | 690.7  | 690.7  | 690.7  | 690.7  | 690.7  | 690.7  | 690.7  | 690.7  | 690.7  | 690.7  |
| 2.5°  | 732.8  | 727.9  | 728.3  | 715.8  | 716.1  | 711.2  | 708.5  | 704.3  | 697.3  | 699.8  | 688.3  |
| 5°    | 768.2  | 761.6  | 763.7  | 748.8  | 748.1  | 741.5  | 734.5  | 722.0  | 718.9  | 717.5  | 707.4  |
| 7.5°  | 791.5  | 790.1  | 789.1  | 781.5  | 780.8  | 773.1  | 766.5  | 752.9  | 747.7  | 741.5  | 728.6  |
| 10°   | 814.1  | 815.2  | 816.2  | 803.0  | 811.3  | 802.3  | 795.0  | 783.9  | 776.9  | 774.8  | 755.0  |
| 12.5° | 825.6  | 826.6  | 832.2  | 828.4  | 833.2  | 838.1  | 830.8  | 819.3  | 812.4  | 812.4  | 789.4  |
| 15°   | 835.7  | 838.5  | 847.8  | 851.0  | 859.7  | 863.8  | 869.4  | 862.1  | 851.7  | 849.9  | 830.8  |
| 17.5° | 852.7  | 851.3  | 859.7  | 873.6  | 883.7  | 891.6  | 907.3  | 905.2  | 904.5  | 900.0  | 886.1  |
| 20°   | 875.7  | 873.2  | 881.6  | 887.5  | 903.1  | 927.1  | 948.3  | 959.1  | 958.4  | 956.0  | 943.8  |
| 22.5° | 900.7  | 898.3  | 898.6  | 903.1  | 924.3  | 960.5  | 993.2  | 1013.7 | 1014.0 | 1015.4 | 1026.5 |
| 25°   | 943.4  | 933.4  | 930.2  | 934.1  | 959.4  | 1003.6 | 1045.6 | 1079.4 | 1086.0 | 1094.0 | 1129.4 |
| 27.5° | 1047.0 | 1051.9 | 1009.5 | 982.0  | 1003.2 | 1057.5 | 1106.8 | 1156.5 | 1167.0 | 1190.9 | 1261.9 |
| 30°   | 1208.0 | 1200.0 | 1178.4 | 1118.6 | 1070.3 | 1118.6 | 1188.2 | 1249.7 | 1269.5 | 1330.7 | 1394.7 |
| 32.5° | 1329.7 | 1330.0 | 1319.6 | 1268.8 | 1202.1 | 1190.3 | 1268.8 | 1370.7 | 1410.0 | 1523.6 | 1581.0 |
| 35°   | 1453.1 | 1447.8 | 1456.9 | 1408.9 | 1349.8 | 1307.8 | 1356.8 | 1491.3 | 1581.3 | 1749.6 | 1780.5 |
| 37.5° | 1568.8 | 1570.6 | 1572.6 | 1526.4 | 1498.2 | 1483.6 | 1478.1 | 1647.4 | 1776.7 | 1959.5 | 1979.0 |
| 40°   | 1654.7 | 1664.1 | 1670.7 | 1645.3 | 1635.2 | 1635.9 | 1611.9 | 1832.7 | 2011.7 | 2191.8 | 2169.5 |
| 42.5° | 1723.2 | 1733.9 | 1781.9 | 1747.8 | 1762.4 | 1791.6 | 1787.5 | 1979.4 | 2202.2 | 2369.7 | 2344.0 |
| 45°   | 1780.5 | 1780.9 | 1814.2 | 1827.8 | 1879.9 | 1935.2 | 1939.7 | 2135.8 | 2360.0 | 2530.3 | 2481.0 |
| 47.5° | 1820.1 | 1813.2 | 1839.3 | 1894.5 | 1990.5 | 2055.5 | 2098.6 | 2312.7 | 2523.0 | 2674.2 | 2621.1 |
| 50°   | 1832.3 | 1842.0 | 1885.5 | 1955.7 | 2083.6 | 2186.2 | 2276.9 | 2536.9 | 2681.9 | 2815.0 | 2734.7 |
| 52.5° | 1854.9 | 1859.1 | 1919.9 | 2011.7 | 2178.2 | 2314.8 | 2405.2 | 2768.5 | 2877.3 | 2959.3 | 2873.8 |
| 55°   | 1874.0 | 1885.8 | 1943.9 | 2041.2 | 2238.0 | 2419.1 | 2541.1 | 2979.5 | 3102.2 | 3118.2 | 3019.4 |
| 57.5° | 1805.5 | 1817.0 | 1920.3 | 2049.6 | 2287.7 | 2503.2 | 2690.2 | 3184.6 | 3337.2 | 3310.0 | 3146.7 |
| 60°   | 1679.0 | 1692.2 | 1816.0 | 2026.6 | 2295.7 | 2597.1 | 2885.6 | 3457.1 | 3585.4 | 3552.7 | 3289.9 |
| 62.5° | 1564.3 | 1565.0 | 1698.8 | 1928.3 | 2257.8 | 2661.4 | 3123.0 | 3809.6 | 3906.2 | 3848.9 | 3448.7 |
| 65°   | 1413.1 | 1411.7 | 1532.7 | 1770.1 | 2150.7 | 2641.6 | 3308.3 | 4239.9 | 4367.9 | 4205.2 | 3600.7 |
| 67.5° | 1208.7 | 1204.5 | 1326.9 | 1546.9 | 1951.9 | 2539.7 | 3465.4 | 4532.6 | 4598.7 | 4465.2 | 3722.0 |
| 70°   | 955.6  | 951.1  | 1054.7 | 1273.0 | 1674.8 | 2307.2 | 3564.5 | 4657.8 | 4696.7 | 4557.3 | 3760.2 |
| 72.5° | 670.2  | 667.4  | 729.3  | 902.1  | 1281.3 | 1941.1 | 3543.3 | 4595.2 | 4619.9 | 4461.0 | 3647.9 |
| 75°   | 396.6  | 395.6  | 453.3  | 552.0  | 757.5  | 1446.5 | 3303.8 | 4365.8 | 4395.3 | 4251.1 | 3372.3 |
| 77.5° | 153.0  | 141.8  | 221.4  | 268.7  | 430.7  | 677.5  | 2527.2 | 3953.8 | 4022.3 | 3886.8 | 2971.1 |
| 80°   | 50.1   | 51.8   | 155.4  | 189.8  | 249.9  | 303.5  | 1352.2 | 3208.9 | 3371.2 | 3284.3 | 2250.5 |
| 82.5° | 36.5   | 37.5   | 96.6   | 128.3  | 165.5  | 205.8  | 511.7  | 1744.4 | 1915.4 | 1885.8 | 1104.7 |
| 85°   | 24.0   | 24.0   | 33.0   | 45.5   | 61.9   | 82.4   | 143.6  | 885.4  | 1085.3 | 1052.9 | 478.7  |
| 87.5° | 12.9   | 13.2   | 19.1   | 27.5   | 37.2   | 43.5   | 45.9   | 181.1  | 247.2  | 215.2  | 95.6   |
| 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°    | 690.7  | 690.7  | 690.7  | 690.7  | 690.7 | 690.7 | 690.7 | 690.7 | 690.7 | 690.7 | 690.7 |
| 2.5°  | 684.8  | 691.8  | 686.6  | 682.4  | 675.4 | 671.6 | 672.6 | 669.2 | 666.0 | 674.0 | 670.2 |
| 5°    | 703.9  | 708.5  | 694.9  | 686.9  | 675.8 | 666.4 | 665.7 | 658.0 | 654.2 | 657.4 | 658.7 |
| 7.5°  | 720.3  | 723.7  | 705.7  | 691.4  | 680.3 | 669.2 | 661.5 | 648.3 | 643.1 | 648.7 | 650.7 |
| 10°   | 748.4  | 744.3  | 722.4  | 706.4  | 690.0 | 676.5 | 663.6 | 651.1 | 641.7 | 642.1 | 642.8 |
| 12.5° | 780.4  | 768.9  | 749.5  | 726.9  | 709.1 | 695.6 | 677.9 | 656.7 | 641.7 | 641.4 | 643.8 |
| 15°   | 824.9  | 811.0  | 794.0  | 767.2  | 747.4 | 727.9 | 699.4 | 662.6 | 638.9 | 630.6 | 627.1 |
| 17.5° | 880.5  | 862.1  | 856.2  | 825.3  | 792.6 | 755.4 | 709.8 | 665.0 | 623.3 | 607.6 | 608.3 |
| 20°   | 947.3  | 941.4  | 933.7  | 883.0  | 836.0 | 773.5 | 714.7 | 653.9 | 597.9 | 570.4 | 567.7 |
| 22.5° | 1041.1 | 1038.3 | 1002.2 | 932.7  | 860.7 | 785.3 | 710.5 | 630.2 | 562.8 | 528.7 | 521.8 |
| 25°   | 1149.6 | 1127.0 | 1059.9 | 974.7  | 880.2 | 788.4 | 693.9 | 595.8 | 521.4 | 479.0 | 476.9 |
| 27.5° | 1257.3 | 1217.4 | 1118.6 | 1001.1 | 881.9 | 776.2 | 658.7 | 548.9 | 480.4 | 440.8 | 435.6 |
| 30°   | 1382.8 | 1329.0 | 1178.1 | 1020.3 | 878.1 | 745.6 | 609.7 | 509.6 | 453.3 | 414.0 | 408.1 |
| 32.5° | 1541.4 | 1449.9 | 1236.8 | 1029.0 | 852.4 | 704.6 | 557.6 | 492.6 | 433.5 | 388.3 | 381.3 |
| 35°   | 1731.2 | 1609.5 | 1316.4 | 1028.6 | 818.6 | 641.0 | 531.2 | 482.8 | 419.6 | 364.0 | 353.5 |
| 37.5° | 1913.0 | 1788.2 | 1406.5 | 1024.4 | 764.8 | 574.6 | 512.7 | 467.2 | 410.2 | 359.1 | 353.2 |
| 40°   | 2080.5 | 1934.9 | 1515.6 | 1016.8 | 701.5 | 534.3 | 492.2 | 442.9 | 399.1 | 363.6 | 357.0 |
| 42.5° | 2236.6 | 2073.2 | 1613.3 | 997.7  | 632.0 | 505.8 | 464.4 | 426.5 | 387.2 | 342.4 | 332.3 |
| 45°   | 2377.7 | 2190.0 | 1680.7 | 952.5  | 555.8 | 474.2 | 433.1 | 404.6 | 365.7 | 319.8 | 311.8 |
| 47.5° | 2495.6 | 2296.4 | 1728.4 | 891.6  | 494.3 | 440.8 | 397.0 | 373.7 | 339.3 | 297.2 | 286.8 |
| 50°   | 2598.8 | 2401.7 | 1760.7 | 788.1  | 440.4 | 406.7 | 361.2 | 335.8 | 304.9 | 275.0 | 267.7 |
| 52.5° | 2699.6 | 2508.4 | 1798.2 | 649.7  | 389.7 | 367.1 | 320.2 | 292.0 | 268.7 | 254.8 | 249.9 |
| 55°   | 2832.8 | 2644.4 | 1798.2 | 476.2  | 343.1 | 335.5 | 284.7 | 247.5 | 231.2 | 221.4 | 223.9 |
| 57.5° | 2953.0 | 2727.8 | 1722.5 | 354.6  | 313.6 | 302.8 | 246.1 | 209.6 | 192.2 | 194.7 | 202.0 |
| 60°   | 3086.2 | 2807.4 | 1511.1 | 293.4  | 288.5 | 257.9 | 210.0 | 184.2 | 175.2 | 166.5 | 165.5 |
| 62.5° | 3177.6 | 2818.9 | 1239.6 | 259.0  | 263.5 | 227.7 | 196.4 | 169.6 | 159.6 | 147.0 | 144.3 |
| 65°   | 3279.8 | 2757.3 | 932.7  | 243.0  | 241.2 | 216.2 | 193.6 | 167.6 | 153.6 | 133.1 | 129.7 |
| 67.5° | 3242.3 | 2575.5 | 662.2  | 224.9  | 225.6 | 217.6 | 198.1 | 167.2 | 150.5 | 128.3 | 125.8 |
| 70°   | 3079.2 | 2281.1 | 415.1  | 216.6  | 222.5 | 220.4 | 206.1 | 175.9 | 149.5 | 116.5 | 113.0 |
| 72.5° | 2849.4 | 1902.2 | 232.2  | 200.9  | 220.7 | 222.1 | 215.9 | 183.9 | 137.0 | 95.2  | 93.2  |
| 75°   | 2472.6 | 1451.7 | 166.2  | 186.0  | 212.4 | 221.8 | 211.7 | 176.9 | 125.5 | 89.7  | 86.9  |
| 77.5° | 1933.1 | 851.0  | 146.3  | 171.4  | 196.8 | 198.1 | 210.0 | 183.9 | 130.4 | 91.1  | 87.9  |
| 80°   | 1045.3 | 352.1  | 123.1  | 150.9  | 161.6 | 187.4 | 203.7 | 171.7 | 120.6 | 73.3  | 68.8  |
| 82.5° | 424.1  | 99.4   | 71.6   | 95.9   | 131.1 | 154.7 | 181.5 | 151.9 | 110.5 | 61.2  | 57.7  |
| 85°   | 108.5  | 34.1   | 33.4   | 49.0   | 78.6  | 115.8 | 147.4 | 130.0 | 90.0  | 27.1  | 1.7   |
| 87.5° | 13.6   | 11.1   | 13.2   | 27.1   | 51.1  | 83.1  | 108.1 | 93.9  | 64.0  | 0.3   | 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)