

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: P144502

Luminaire Tested: **RDG-E03-LED-E-U-5XQ-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P144502  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33699)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: RDG-E03-LED-E-U-5XQ-7060  
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE  
Light Source: (63) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9518.5 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 75.2  
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

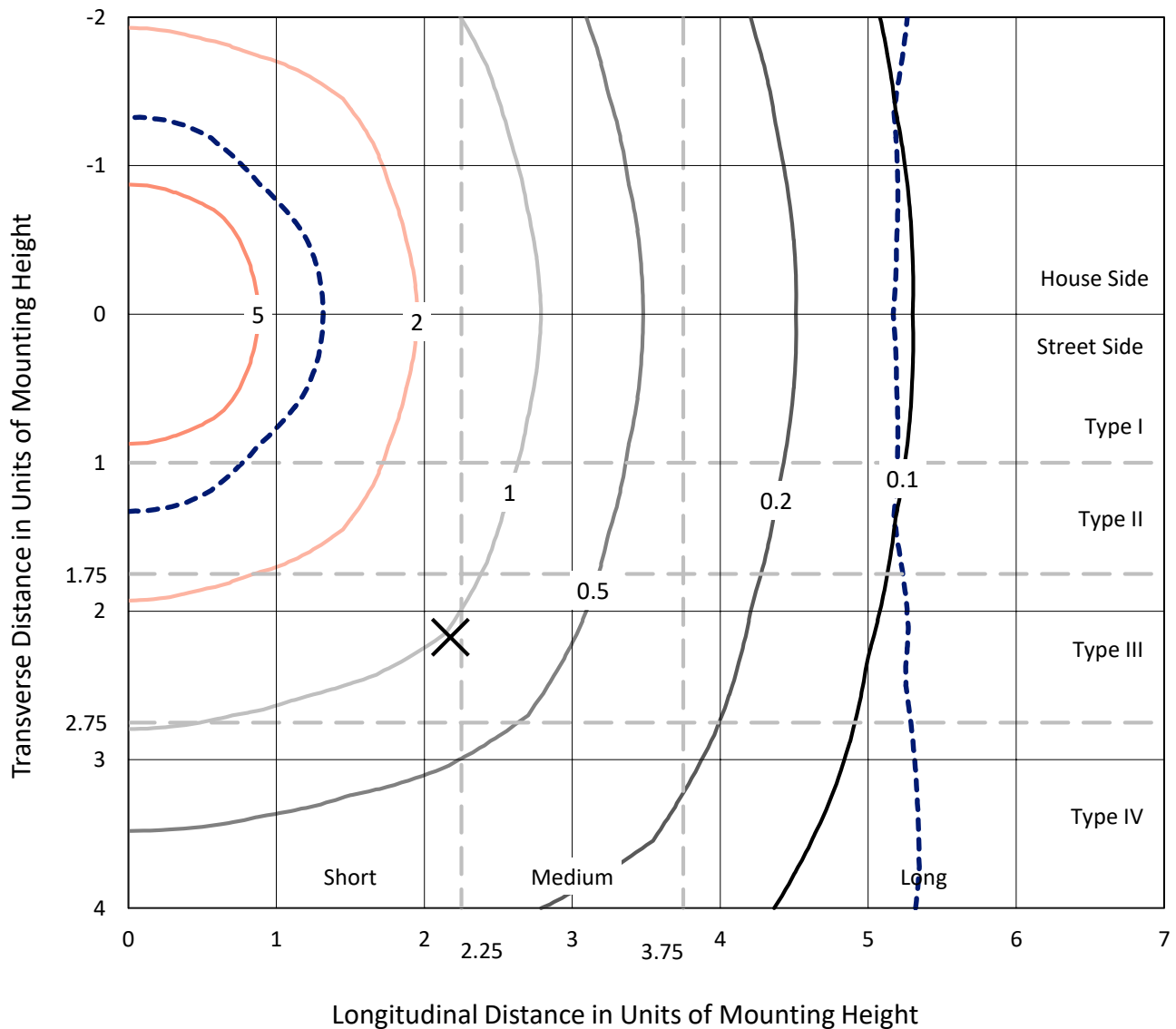


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

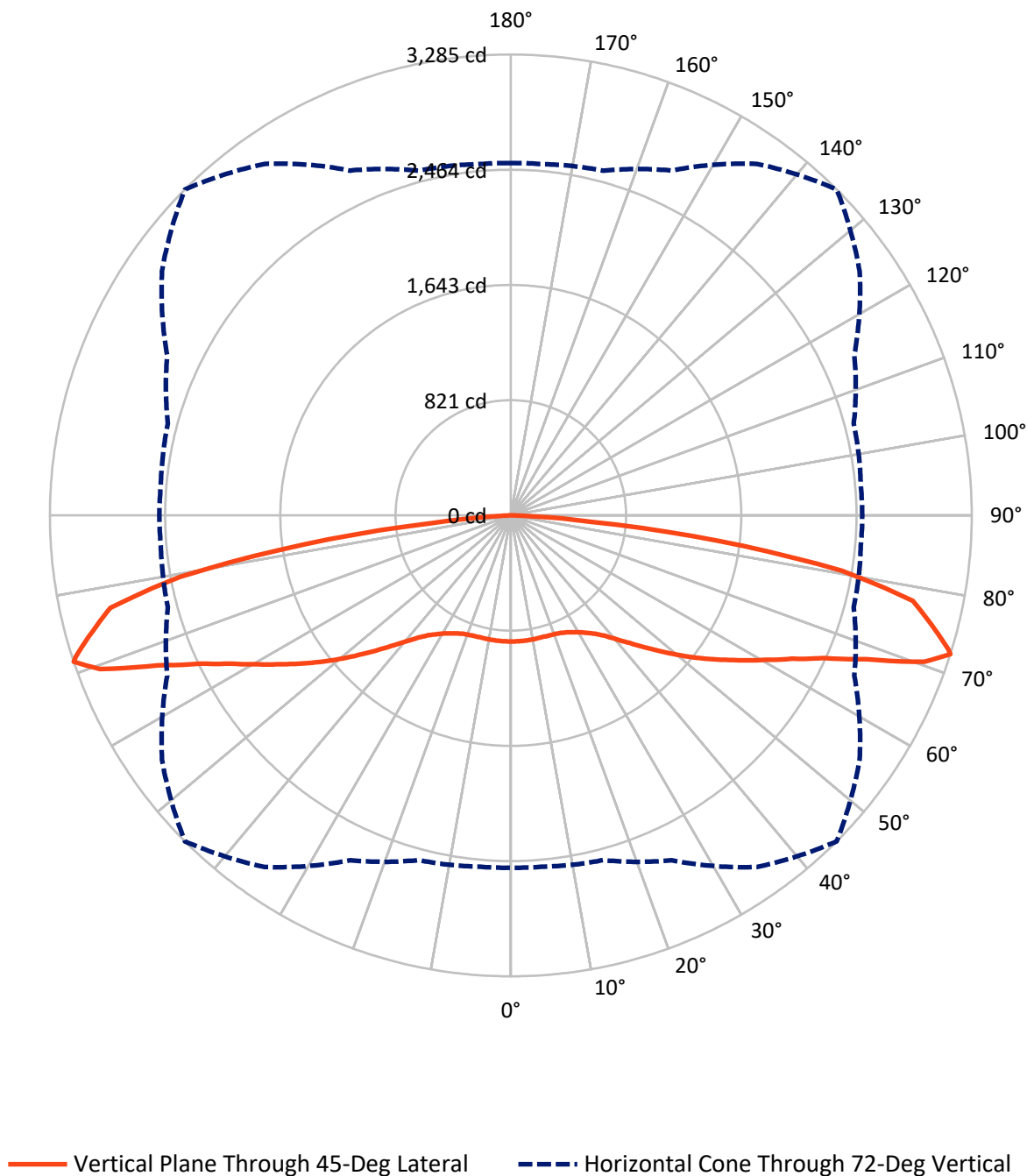


Based on 10 foot mounting height. Maximum calculated value = 9 fc  
Type V - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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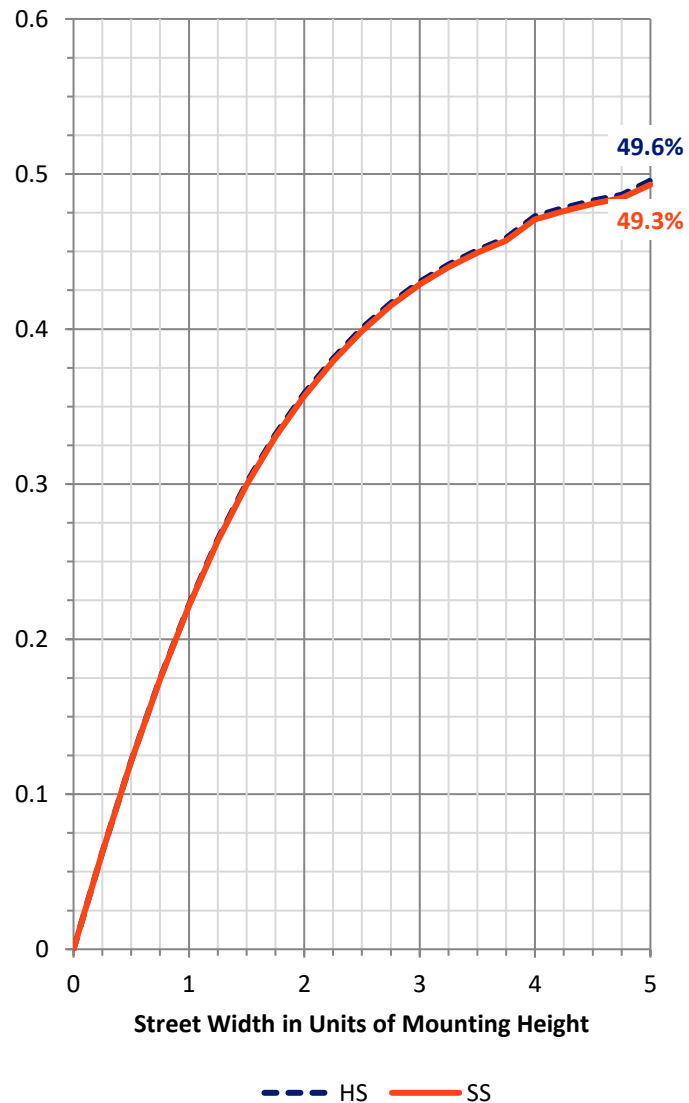
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4759.2   | 0.0    | 4759.2 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4759.2   | 0.0    | 4759.2 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 9518.5   | 0.0    | 9518.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 85.8   | 0.9       |
| 10°-20°   | 254.8  | 2.7       |
| 20°-30°   | 428.1  | 4.5       |
| 30°-40°   | 651.5  | 6.8       |
| 40°-50°   | 1030.0 | 10.8      |
| 50°-60°   | 1573.2 | 16.5      |
| 60°-70°   | 2304.7 | 24.2      |
| 70°-80°   | 2618.4 | 27.5      |
| 80°-90°   | 571.9  | 6.0       |
| 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°    | 9518.5 | 100.0     |
| 0°-180°   | 9518.5 | 100.0     |

**Coefficient of Utilization**



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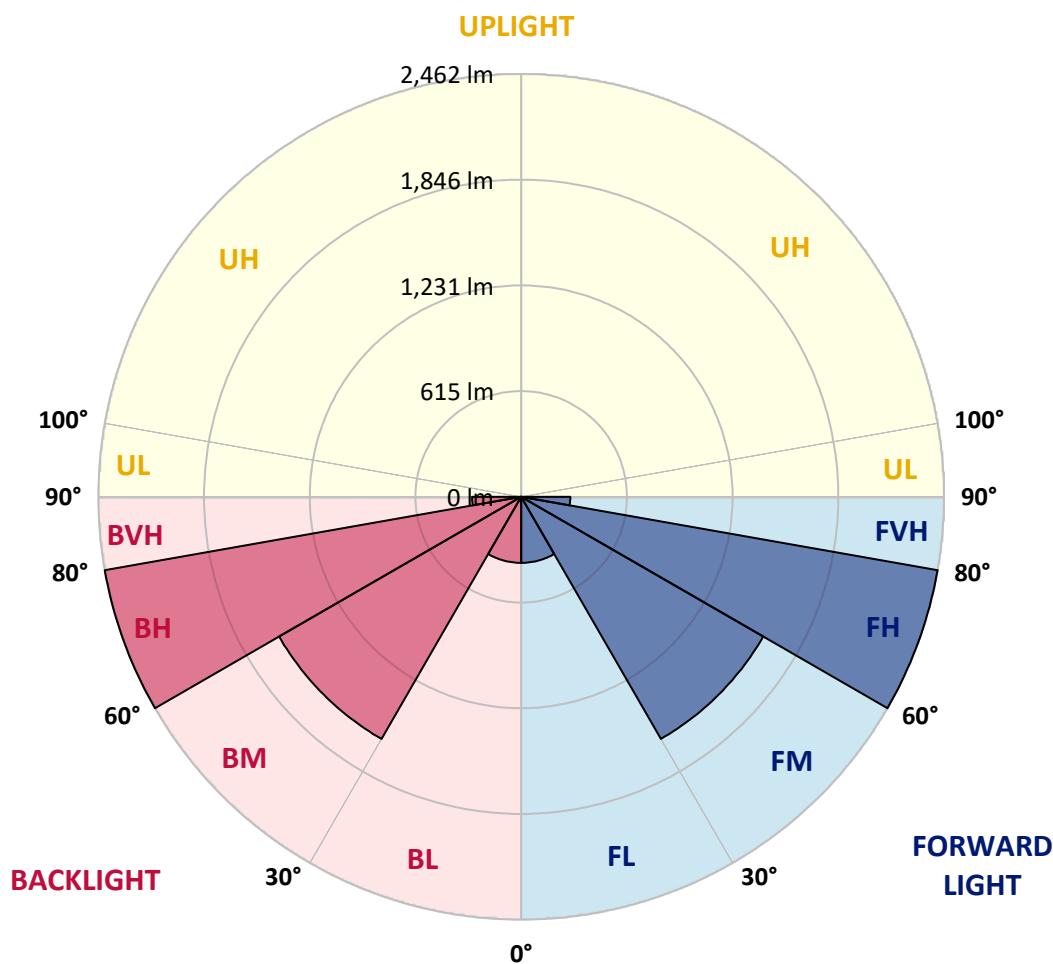
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 384.4  | 4.0       |                         |      |         |
| FM   | (30°-60°)   | 1627.4 | 17.1      |                         |      |         |
| FH   | (60°-80°)   | 2461.6 | 25.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 286.0  | 3.0       |                         |      | G3/500  |
| BL   | (0°-30°)    | 384.4  | 4.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1627.4 | 17.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 2461.6 | 25.9      | B3/2500                 |      | G2/5000 |
| BVH  | (80°-90°)   | 286.0  | 3.0       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 898.9  | 898.9  | 898.9  | 898.9  | 898.9  | 898.9  | 898.9  | 898.9  | 898.9  | 898.9  | 898.9  |
| 2.5°  | 900.8  | 900.4  | 899.8  | 899.2  | 898.9  | 898.6  | 898.6  | 898.6  | 898.4  | 898.2  | 898.4  |
| 5°    | 900.7  | 900.4  | 899.9  | 899.4  | 899.0  | 898.6  | 898.6  | 898.6  | 898.4  | 898.2  | 898.6  |
| 7.5°  | 899.5  | 899.8  | 899.4  | 898.9  | 898.7  | 898.6  | 898.4  | 898.2  | 898.0  | 897.6  | 897.8  |
| 10°   | 899.8  | 901.0  | 900.1  | 899.2  | 898.8  | 898.6  | 897.9  | 897.3  | 897.2  | 897.0  | 896.7  |
| 12.5° | 900.4  | 901.6  | 900.6  | 899.5  | 899.0  | 898.6  | 898.0  | 897.4  | 896.9  | 896.4  | 896.0  |
| 15°   | 902.2  | 903.2  | 902.2  | 901.3  | 900.4  | 899.5  | 898.9  | 898.2  | 897.4  | 896.4  | 896.0  |
| 17.5° | 903.5  | 905.0  | 904.0  | 902.9  | 901.8  | 900.7  | 900.1  | 899.5  | 898.9  | 898.2  | 897.5  |
| 20°   | 905.6  | 907.2  | 906.2  | 905.3  | 904.7  | 904.1  | 903.6  | 903.2  | 902.7  | 902.2  | 901.2  |
| 22.5° | 909.6  | 910.9  | 910.6  | 910.3  | 910.4  | 910.6  | 910.8  | 910.9  | 910.6  | 910.2  | 909.2  |
| 25°   | 918.0  | 918.0  | 918.6  | 919.2  | 920.1  | 921.0  | 921.8  | 922.6  | 923.0  | 923.5  | 922.1  |
| 27.5° | 932.4  | 933.6  | 934.1  | 934.6  | 936.1  | 937.6  | 939.4  | 941.0  | 942.0  | 942.9  | 941.5  |
| 30°   | 951.2  | 951.2  | 952.3  | 953.4  | 956.0  | 958.6  | 960.7  | 962.9  | 964.6  | 966.3  | 965.2  |
| 32.5° | 975.2  | 976.8  | 978.3  | 979.8  | 983.1  | 986.3  | 990.0  | 993.6  | 995.8  | 998.0  | 996.3  |
| 35°   | 1011.8 | 1013.7 | 1015.2 | 1016.8 | 1020.2 | 1023.6 | 1027.7 | 1031.8 | 1033.7 | 1035.6 | 1034.5 |
| 37.5° | 1063.6 | 1063.6 | 1065.7 | 1067.9 | 1070.0 | 1072.2 | 1077.8 | 1083.3 | 1085.6 | 1087.9 | 1086.1 |
| 40°   | 1133.4 | 1133.8 | 1134.2 | 1134.7 | 1136.7 | 1138.6 | 1145.4 | 1152.2 | 1156.2 | 1160.2 | 1156.4 |
| 42.5° | 1213.8 | 1217.2 | 1217.0 | 1216.9 | 1218.3 | 1219.6 | 1226.1 | 1232.6 | 1238.2 | 1244.0 | 1241.6 |
| 45°   | 1308.6 | 1307.9 | 1306.8 | 1305.6 | 1309.7 | 1313.8 | 1323.0 | 1332.3 | 1337.4 | 1342.4 | 1337.7 |
| 47.5° | 1404.4 | 1403.4 | 1401.7 | 1400.0 | 1404.2 | 1408.3 | 1422.2 | 1436.0 | 1443.2 | 1450.5 | 1442.8 |
| 50°   | 1499.8 | 1503.4 | 1501.3 | 1499.2 | 1505.3 | 1511.4 | 1529.0 | 1546.6 | 1557.2 | 1567.8 | 1558.9 |
| 52.5° | 1605.4 | 1608.1 | 1605.6 | 1603.2 | 1611.6 | 1620.1 | 1640.9 | 1661.7 | 1675.8 | 1690.0 | 1678.0 |
| 55°   | 1714.6 | 1711.2 | 1712.6 | 1714.0 | 1722.0 | 1730.0 | 1755.6 | 1781.1 | 1798.0 | 1815.0 | 1801.4 |
| 57.5° | 1816.8 | 1818.0 | 1816.7 | 1815.3 | 1827.9 | 1840.6 | 1872.7 | 1904.9 | 1926.1 | 1947.4 | 1930.4 |
| 60°   | 1921.4 | 1921.8 | 1918.7 | 1915.6 | 1929.4 | 1943.0 | 1989.2 | 2035.4 | 2063.0 | 2090.5 | 2067.2 |
| 62.5° | 2038.5 | 2038.2 | 2032.8 | 2027.4 | 2043.5 | 2059.7 | 2117.0 | 2174.2 | 2212.1 | 2250.0 | 2221.6 |
| 65°   | 2181.9 | 2178.2 | 2175.1 | 2172.0 | 2190.7 | 2209.3 | 2280.4 | 2351.6 | 2402.6 | 2453.7 | 2417.2 |
| 67.5° | 2393.4 | 2390.6 | 2384.2 | 2377.7 | 2398.5 | 2419.2 | 2510.4 | 2601.5 | 2667.5 | 2733.6 | 2685.4 |
| 70°   | 2626.1 | 2620.8 | 2625.3 | 2629.8 | 2677.8 | 2725.9 | 2848.1 | 2970.3 | 3048.5 | 3126.6 | 3045.7 |
| 72°   | 2511.2 | 2513.4 | 2528.4 | 2543.3 | 2627.5 | 2711.7 | 2885.3 | 3058.9 | 3172.0 | 3285.2 | 3160.0 |
| 72.5° | 2471.2 | 2473.2 | 2490.1 | 2507.0 | 2587.3 | 2667.6 | 2846.7 | 3025.7 | 3142.8 | 3260.0 | 3131.3 |
| 75°   | 2301.4 | 2306.2 | 2325.8 | 2345.4 | 2426.8 | 2508.2 | 2688.8 | 2869.3 | 2981.5 | 3093.7 | 2964.9 |
| 77.5° | 2024.0 | 2039.4 | 2059.2 | 2079.1 | 2176.1 | 2273.0 | 2477.1 | 2681.2 | 2805.1 | 2929.0 | 2782.8 |
| 80°   | 1544.7 | 1539.2 | 1573.3 | 1607.5 | 1700.2 | 1792.8 | 1950.7 | 2108.6 | 2251.3 | 2394.0 | 2229.6 |
| 82.5° | 600.2  | 613.5  | 684.3  | 755.1  | 852.2  | 949.4  | 1090.8 | 1232.2 | 1360.8 | 1489.3 | 1352.5 |
| 85°   | 61.8   | 70.4   | 95.9   | 121.3  | 174.2  | 227.2  | 313.4  | 399.6  | 484.1  | 568.6  | 476.8  |
| 87.5° | 24.9   | 27.4   | 35.2   | 43.1   | 45.1   | 47.1   | 57.0   | 66.8   | 66.3   | 65.8   | 65.0   |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 898.9  | 898.9  | 898.9  | 898.9  | 898.9  | 898.9  | 898.9  | 898.9  |
| 2.5°  | 898.6  | 898.8  | 899.2  | 899.2  | 899.2  | 899.6  | 900.1  | 899.5  |
| 5°    | 898.9  | 899.0  | 899.2  | 899.2  | 899.2  | 899.6  | 900.1  | 899.5  |
| 7.5°  | 898.0  | 898.0  | 898.0  | 898.4  | 898.8  | 899.0  | 899.2  | 898.9  |
| 10°   | 896.4  | 896.6  | 896.7  | 897.2  | 897.6  | 898.1  | 898.6  | 898.9  |
| 12.5° | 895.5  | 895.6  | 895.8  | 896.2  | 896.7  | 897.2  | 897.6  | 898.3  |
| 15°   | 895.5  | 895.6  | 895.8  | 896.1  | 896.4  | 897.0  | 897.6  | 898.3  |
| 17.5° | 896.8  | 896.4  | 896.1  | 896.4  | 896.7  | 897.5  | 898.2  | 898.9  |
| 20°   | 900.1  | 899.6  | 899.2  | 899.2  | 899.2  | 900.0  | 900.7  | 900.7  |
| 22.5° | 908.1  | 906.6  | 905.0  | 904.7  | 904.4  | 904.6  | 904.7  | 905.0  |
| 25°   | 920.7  | 918.2  | 915.8  | 915.0  | 914.2  | 914.0  | 913.6  | 914.3  |
| 27.5° | 940.1  | 937.3  | 934.6  | 932.8  | 931.2  | 930.2  | 929.4  | 929.7  |
| 30°   | 964.2  | 960.9  | 957.6  | 954.9  | 952.2  | 950.9  | 949.6  | 950.0  |
| 32.5° | 994.6  | 990.8  | 986.9  | 983.2  | 979.5  | 977.8  | 976.2  | 976.4  |
| 35°   | 1033.4 | 1028.9 | 1024.4 | 1021.4 | 1018.3 | 1015.7 | 1013.0 | 1015.2 |
| 37.5° | 1084.2 | 1080.1 | 1075.9 | 1073.9 | 1071.8 | 1069.6 | 1067.2 | 1067.6 |
| 40°   | 1152.5 | 1148.2 | 1143.9 | 1142.2 | 1140.6 | 1137.6 | 1134.6 | 1135.3 |
| 42.5° | 1239.4 | 1232.9 | 1226.4 | 1223.3 | 1220.2 | 1218.9 | 1217.5 | 1218.4 |
| 45°   | 1332.9 | 1326.4 | 1320.0 | 1317.4 | 1314.8 | 1311.1 | 1307.4 | 1310.7 |
| 47.5° | 1435.1 | 1426.9 | 1418.8 | 1414.2 | 1409.6 | 1410.8 | 1412.0 | 1409.3 |
| 50°   | 1549.9 | 1536.2 | 1522.5 | 1517.2 | 1511.8 | 1511.8 | 1511.8 | 1511.5 |
| 52.5° | 1666.0 | 1647.0 | 1628.2 | 1623.5 | 1618.9 | 1617.8 | 1616.7 | 1615.5 |
| 55°   | 1787.9 | 1764.6 | 1741.4 | 1732.8 | 1724.2 | 1725.4 | 1726.6 | 1730.0 |
| 57.5° | 1913.5 | 1882.8 | 1852.2 | 1842.4 | 1832.6 | 1833.3 | 1834.0 | 1839.6 |
| 60°   | 2044.0 | 2004.4 | 1964.9 | 1954.0 | 1943.0 | 1946.0 | 1948.9 | 1952.3 |
| 62.5° | 2193.3 | 2145.4 | 2097.6 | 2082.9 | 2068.3 | 2072.0 | 2075.7 | 2084.6 |
| 65°   | 2380.8 | 2321.0 | 2261.3 | 2246.1 | 2230.9 | 2232.6 | 2234.2 | 2249.6 |
| 67.5° | 2637.2 | 2557.6 | 2478.0 | 2464.0 | 2450.0 | 2452.5 | 2455.0 | 2479.9 |
| 70°   | 2964.7 | 2846.8 | 2728.9 | 2670.9 | 2612.9 | 2603.8 | 2594.7 | 2607.9 |
| 72°   | 3034.9 | 2868.4 | 2701.9 | 2616.2 | 2530.6 | 2517.3 | 2503.9 | 2505.1 |
| 72.5° | 3002.6 | 2834.2 | 2665.8 | 2582.7 | 2499.6 | 2488.7 | 2477.8 | 2475.6 |
| 75°   | 2836.0 | 2671.4 | 2506.6 | 2420.8 | 2334.9 | 2314.1 | 2293.4 | 2293.3 |
| 77.5° | 2636.6 | 2429.0 | 2221.4 | 2128.7 | 2036.0 | 2014.3 | 1992.6 | 1975.7 |
| 80°   | 2065.2 | 1879.2 | 1693.0 | 1599.0 | 1505.0 | 1470.2 | 1435.4 | 1414.8 |
| 82.5° | 1215.6 | 1044.5 | 873.4  | 753.9  | 634.4  | 598.6  | 562.7  | 512.8  |
| 85°   | 385.1  | 296.3  | 207.5  | 162.0  | 116.4  | 94.1   | 71.7   | 62.8   |
| 87.5° | 64.0   | 52.0   | 40.0   | 38.6   | 37.2   | 29.2   | 21.2   | 17.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)