

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: P151436

Luminaire Tested: **AVM-F05-LED-E-U-SL3-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P151436  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVM-F05-LED-E-U-SL3-7050  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (35) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12859.3 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

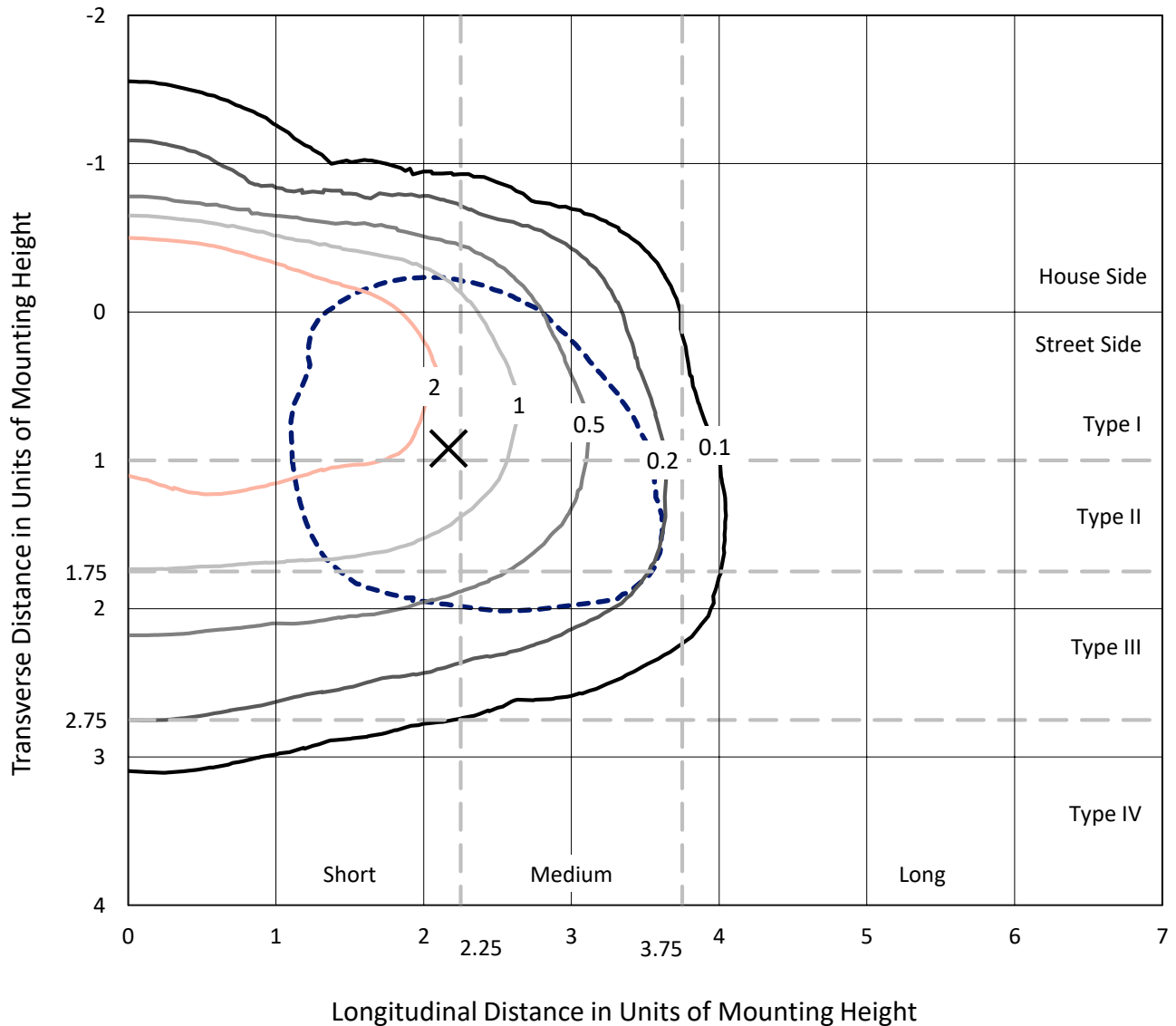
Input Watts (W): 133.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

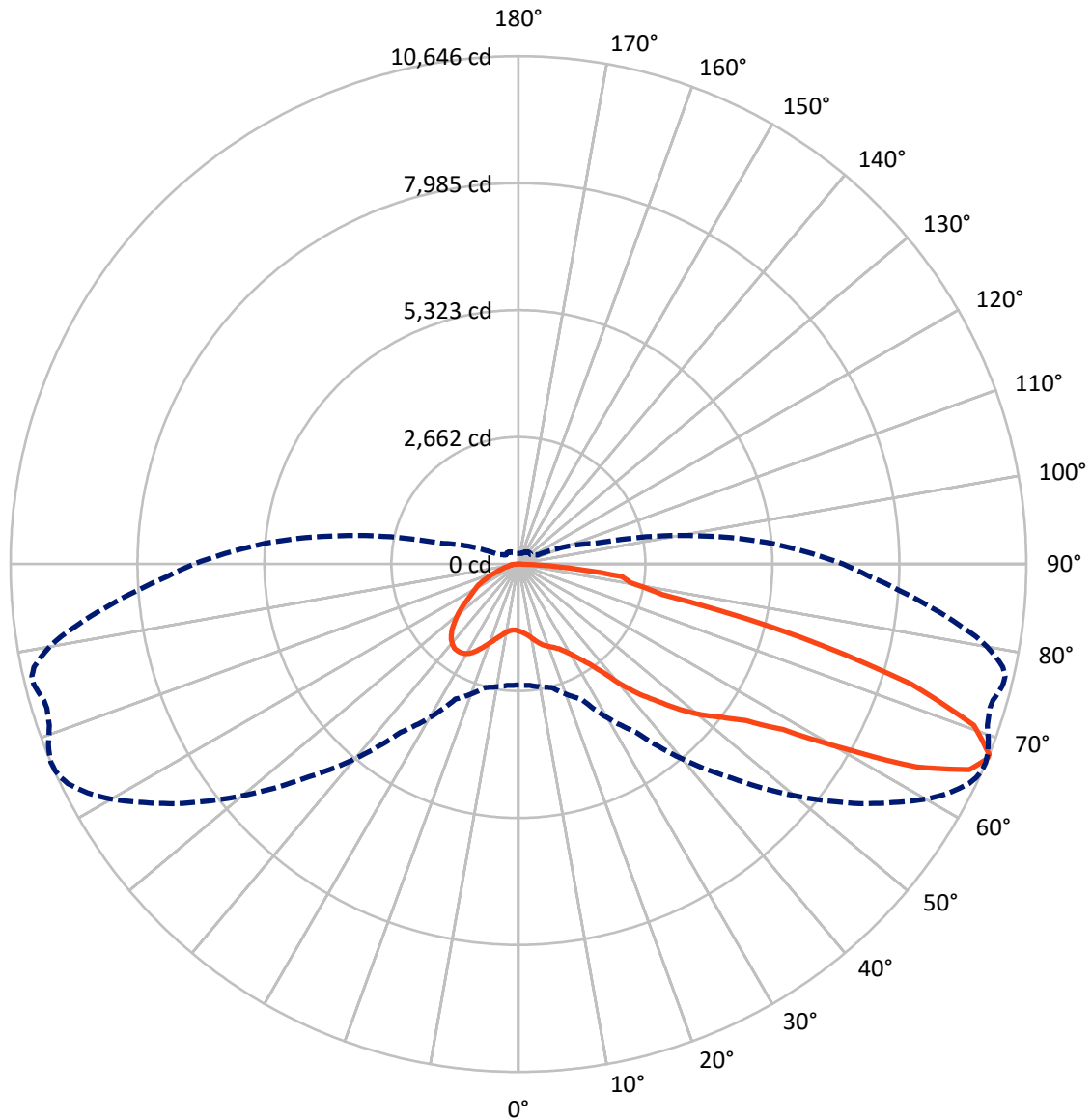
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2967.4   | 0.0    | 2967.4  |
|                    | % Fixture | 23.1     | 0.0    | 23.1    |
| <b>Street Side</b> | Lumens    | 9891.8   | 0.0    | 9891.8  |
|                    | % Fixture | 76.9     | 0.0    | 76.9    |
| <b>Total</b>       | Lumens    | 12859.3  | 0.0    | 12859.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 139.9   | 1.1       |
| 10°-20°   | 479.6   | 3.7       |
| 20°-30°   | 846.8   | 6.6       |
| 30°-40°   | 1215.4  | 9.5       |
| 40°-50°   | 1846.0  | 14.4      |
| 50°-60°   | 2717.9  | 21.1      |
| 60°-70°   | 3612.0  | 28.1      |
| 70°-80°   | 1767.1  | 13.7      |
| 80°-90°   | 234.6   | 1.8       |
| 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°    | 12859.3 | 100.0     |
| 0°-180°   | 12859.3 | 100.0     |



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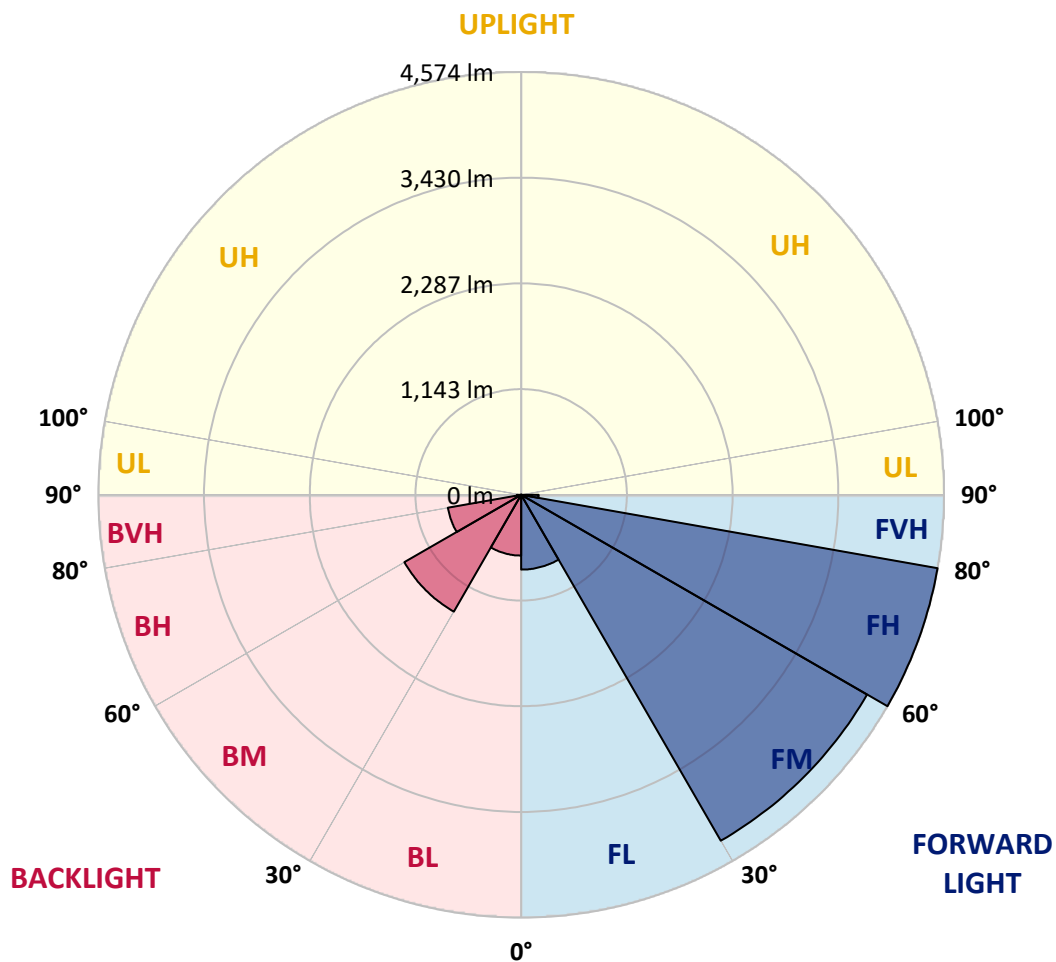
CATALOG NUMBER: AVM-F05-LED-E-U-SL3-7050

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 809.0  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 4320.4 | 33.6      |                         |      |         |
| FH   | (60°-80°)   | 4573.9 | 35.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 188.5  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 657.2  | 5.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1458.9 | 11.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 805.2  | 6.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 46.2   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°     | 62°     | 64°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7  | 1404.7  | 1404.7  |
| 2.5°  | 1471.1 | 1472.5 | 1469.7 | 1468.3 | 1459.8 | 1451.3 | 1445.7 | 1438.6 | 1438.6  | 1438.6  | 1435.8  |
| 5°    | 1554.4 | 1548.7 | 1553.0 | 1543.1 | 1526.1 | 1510.6 | 1495.1 | 1482.4 | 1479.6  | 1479.6  | 1473.9  |
| 7.5°  | 1654.6 | 1647.6 | 1644.7 | 1630.6 | 1605.2 | 1582.6 | 1551.6 | 1538.9 | 1531.8  | 1529.0  | 1526.1  |
| 10°   | 1776.0 | 1776.0 | 1757.7 | 1733.7 | 1699.8 | 1660.3 | 1626.4 | 1603.8 | 1602.4  | 1602.4  | 1589.7  |
| 12.5° | 1900.3 | 1903.1 | 1879.1 | 1855.1 | 1800.0 | 1747.8 | 1708.3 | 1682.9 | 1681.4  | 1675.8  | 1668.7  |
| 15°   | 2014.6 | 2007.6 | 1992.0 | 1956.7 | 1896.0 | 1833.9 | 1784.5 | 1759.1 | 1753.4  | 1747.8  | 1743.6  |
| 17.5° | 2109.2 | 2102.2 | 2082.4 | 2037.2 | 1973.7 | 1900.3 | 1839.6 | 1812.7 | 1809.9  | 1807.1  | 1801.4  |
| 20°   | 2168.5 | 2162.9 | 2134.6 | 2082.4 | 2016.0 | 1941.2 | 1876.3 | 1857.9 | 1852.3  | 1852.3  | 1849.4  |
| 22.5° | 2202.4 | 2193.9 | 2153.0 | 2083.8 | 2018.9 | 1963.8 | 1910.2 | 1898.9 | 1894.6  | 1896.0  | 1896.0  |
| 25°   | 2219.3 | 2212.3 | 2154.4 | 2055.6 | 1993.5 | 1977.9 | 1955.3 | 1948.3 | 1949.7  | 1951.1  | 1953.9  |
| 27.5° | 2222.2 | 2212.3 | 2144.5 | 2018.9 | 1961.0 | 2004.7 | 2020.3 | 2031.6 | 2031.6  | 2037.2  | 2047.1  |
| 30°   | 2201.0 | 2189.7 | 2124.7 | 1990.6 | 1946.9 | 2058.4 | 2120.5 | 2150.2 | 2161.5  | 2158.6  | 2181.2  |
| 32.5° | 2164.3 | 2157.2 | 2105.0 | 1990.6 | 1986.4 | 2164.3 | 2274.4 | 2316.8 | 2322.4  | 2325.2  | 2350.6  |
| 35°   | 2151.6 | 2150.2 | 2127.6 | 2058.4 | 2109.2 | 2350.6 | 2518.6 | 2551.1 | 2558.2  | 2558.2  | 2576.5  |
| 37.5° | 2148.7 | 2155.8 | 2181.2 | 2185.5 | 2325.2 | 2627.3 | 2847.6 | 2897.0 | 2897.0  | 2911.1  | 2911.1  |
| 40°   | 2148.7 | 2164.3 | 2260.3 | 2374.6 | 2589.2 | 2987.4 | 3292.3 | 3348.8 | 3348.8  | 3364.3  | 3355.8  |
| 42.5° | 2232.0 | 2254.6 | 2412.8 | 2630.2 | 2922.4 | 3358.7 | 3708.8 | 3772.3 | 3776.5  | 3772.3  | 3785.0  |
| 45°   | 2395.8 | 2415.6 | 2607.6 | 2919.6 | 3265.5 | 3756.8 | 4106.9 | 4183.1 | 4167.6  | 4177.5  | 4181.7  |
| 47.5° | 2613.2 | 2644.3 | 2863.1 | 3235.8 | 3600.1 | 4125.3 | 4553.0 | 4622.2 | 4616.6  | 4620.8  | 4602.4  |
| 50°   | 2844.8 | 2877.2 | 3121.5 | 3549.2 | 3933.3 | 4421.7 | 4911.6 | 5014.7 | 5004.8  | 5011.9  | 5021.7  |
| 52.5° | 3049.5 | 3069.2 | 3305.0 | 3785.0 | 4186.0 | 4698.4 | 5186.9 | 5315.4 | 5338.0  | 5340.8  | 5347.9  |
| 55°   | 3170.9 | 3194.9 | 3410.9 | 3902.2 | 4369.5 | 4969.5 | 5501.8 | 5696.6 | 5740.3  | 5751.6  | 5782.7  |
| 57.5° | 3213.2 | 3238.7 | 3434.9 | 3919.1 | 4469.7 | 5223.6 | 5940.8 | 6283.9 | 6320.6  | 6381.3  | 6480.1  |
| 60°   | 3211.8 | 3238.7 | 3409.5 | 3881.0 | 4571.4 | 5538.5 | 6624.1 | 7198.7 | 7385.1  | 7447.2  | 7588.4  |
| 62.5° | 3080.5 | 3111.6 | 3285.2 | 3765.3 | 4701.3 | 5940.8 | 7640.6 | 8524.4 | 8764.4  | 8877.4  | 9029.8  |
| 65°   | 2792.5 | 2815.1 | 2977.5 | 3471.6 | 4664.6 | 6337.5 | 8490.5 | 9593.1 | 9812.0  | 9977.1  | 10249.6 |
| 67°   | 2537.0 | 2551.1 | 2678.2 | 3124.3 | 4306.0 | 6351.7 | 8758.8 | 9858.5 | 10049.1 | 10224.2 | 10505.1 |
| 67.5° | 2472.0 | 2501.7 | 2600.5 | 3018.4 | 4171.8 | 6271.2 | 8740.4 | 9817.6 | 10012.4 | 10194.6 | 10491.0 |
| 70°   | 2011.8 | 2054.2 | 2103.6 | 2384.5 | 3279.6 | 5275.9 | 8092.4 | 9108.9 | 9279.7  | 9449.1  | 9862.8  |
| 72.5° | 1241.0 | 1317.2 | 1327.1 | 1505.0 | 2134.6 | 3646.7 | 6547.9 | 7681.6 | 7810.0  | 7931.5  | 8355.0  |
| 75°   | 731.3  | 742.6  | 777.9  | 921.9  | 1252.3 | 2179.8 | 4393.5 | 5706.5 | 5825.1  | 5884.4  | 6216.1  |
| 77.5° | 408.0  | 419.3  | 449.0  | 573.2  | 962.8  | 1468.3 | 2558.2 | 3353.0 | 3425.0  | 3499.8  | 3446.2  |
| 80°   | 169.4  | 184.9  | 199.1  | 231.5  | 450.4  | 1159.1 | 1759.1 | 2131.8 | 2178.4  | 2222.2  | 2277.2  |
| 82.5° | 81.9   | 87.5   | 107.3  | 122.8  | 163.8  | 475.8  | 1379.3 | 1848.0 | 1903.1  | 1966.6  | 2095.1  |
| 85°   | 38.1   | 42.4   | 59.3   | 70.6   | 79.1   | 120.0  | 461.7  | 899.3  | 975.5   | 989.7   | 1015.1  |
| 87.5° | 2.8    | 2.8    | 7.1    | 9.9    | 14.1   | 15.5   | 48.0   | 67.8   | 76.2    | 69.2    | 87.5    |
| 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):**

|       | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     | 71°     | 72°     | 73°     | 74°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1404.7  | 1404.7  | 1404.7  | 1404.7  | 1404.7  | 1404.7  | 1404.7  | 1404.7  | 1404.7  | 1404.7  | 1404.7  |
| 2.5°  | 1434.4  | 1433.0  | 1430.1  | 1430.1  | 1428.7  | 1428.7  | 1428.7  | 1425.9  | 1425.9  | 1425.9  | 1424.5  |
| 5°    | 1472.5  | 1471.1  | 1466.9  | 1466.9  | 1464.0  | 1464.0  | 1459.8  | 1458.4  | 1455.6  | 1455.6  | 1454.1  |
| 7.5°  | 1521.9  | 1520.5  | 1514.9  | 1514.9  | 1510.6  | 1509.2  | 1506.4  | 1502.1  | 1502.1  | 1499.3  | 1496.5  |
| 10°   | 1589.7  | 1585.4  | 1584.0  | 1577.0  | 1578.4  | 1575.6  | 1572.7  | 1568.5  | 1565.7  | 1562.9  | 1560.0  |
| 12.5° | 1665.9  | 1665.9  | 1658.9  | 1654.6  | 1657.4  | 1654.6  | 1649.0  | 1647.6  | 1643.3  | 1643.3  | 1639.1  |
| 15°   | 1737.9  | 1737.9  | 1735.1  | 1729.4  | 1730.9  | 1726.6  | 1725.2  | 1722.4  | 1716.7  | 1718.2  | 1716.7  |
| 17.5° | 1800.0  | 1800.0  | 1795.8  | 1793.0  | 1793.0  | 1788.7  | 1790.2  | 1787.3  | 1784.5  | 1783.1  | 1778.9  |
| 20°   | 1849.4  | 1849.4  | 1846.6  | 1843.8  | 1845.2  | 1845.2  | 1841.0  | 1841.0  | 1841.0  | 1838.2  | 1838.2  |
| 22.5° | 1897.4  | 1898.9  | 1898.9  | 1898.9  | 1900.3  | 1901.7  | 1900.3  | 1903.1  | 1901.7  | 1904.5  | 1904.5  |
| 25°   | 1961.0  | 1965.2  | 1968.0  | 1968.0  | 1975.1  | 1976.5  | 1977.9  | 1982.2  | 1982.2  | 1986.4  | 1987.8  |
| 27.5° | 2055.6  | 2058.4  | 2069.7  | 2072.5  | 2073.9  | 2085.2  | 2086.6  | 2092.3  | 2097.9  | 2099.3  | 2100.7  |
| 30°   | 2185.5  | 2192.5  | 2201.0  | 2206.6  | 2206.6  | 2220.7  | 2226.4  | 2223.6  | 2239.1  | 2243.3  | 2249.0  |
| 32.5° | 2359.1  | 2364.8  | 2373.2  | 2378.9  | 2384.5  | 2391.6  | 2393.0  | 2400.0  | 2412.8  | 2424.0  | 2417.0  |
| 35°   | 2577.9  | 2592.1  | 2577.9  | 2593.5  | 2597.7  | 2607.6  | 2604.8  | 2613.2  | 2618.9  | 2623.1  | 2621.7  |
| 37.5° | 2895.6  | 2888.5  | 2885.7  | 2880.1  | 2870.2  | 2904.1  | 2887.1  | 2885.7  | 2877.2  | 2901.2  | 2885.7  |
| 40°   | 3313.5  | 3317.7  | 3321.9  | 3299.4  | 3286.7  | 3286.7  | 3282.4  | 3266.9  | 3259.8  | 3281.0  | 3278.2  |
| 42.5° | 3749.7  | 3754.0  | 3734.2  | 3720.1  | 3687.6  | 3683.4  | 3663.6  | 3659.4  | 3652.3  | 3663.6  | 3652.3  |
| 45°   | 4146.4  | 4149.3  | 4105.5  | 4112.6  | 4087.1  | 4091.4  | 4060.3  | 4073.0  | 4056.1  | 4067.4  | 4088.6  |
| 47.5° | 4589.7  | 4595.4  | 4557.3  | 4572.8  | 4547.4  | 4531.9  | 4530.4  | 4538.9  | 4520.6  | 4531.9  | 4537.5  |
| 50°   | 4992.1  | 4985.0  | 4965.3  | 4969.5  | 4958.2  | 4961.0  | 4944.1  | 4959.6  | 4938.5  | 4961.0  | 4958.2  |
| 52.5° | 5349.3  | 5340.8  | 5336.6  | 5350.7  | 5340.8  | 5340.8  | 5330.9  | 5338.0  | 5340.8  | 5374.7  | 5381.8  |
| 55°   | 5782.7  | 5789.8  | 5796.8  | 5822.2  | 5833.5  | 5815.2  | 5833.5  | 5868.8  | 5870.2  | 5950.7  | 5994.5  |
| 57.5° | 6478.7  | 6528.1  | 6553.5  | 6569.1  | 6635.4  | 6628.4  | 6670.7  | 6755.4  | 6763.9  | 6950.3  | 7059.0  |
| 60°   | 7692.9  | 7780.4  | 7863.7  | 7818.5  | 7952.6  | 7993.6  | 8019.0  | 8177.1  | 8226.5  | 8403.0  | 8497.6  |
| 62.5° | 9226.1  | 9235.9  | 9365.8  | 9324.9  | 9401.1  | 9382.8  | 9413.8  | 9485.8  | 9550.8  | 9696.2  | 9785.1  |
| 65°   | 10296.2 | 10342.8 | 10393.6 | 10341.4 | 10340.0 | 10277.9 | 10238.3 | 10236.9 | 10276.4 | 10307.5 | 10406.3 |
| 67°   | 10587.0 | 10633.6 | 10646.3 | 10608.2 | 10553.2 | 10474.1 | 10400.7 | 10362.6 | 10337.1 | 10351.3 | 10413.4 |
| 67.5° | 10584.2 | 10628.0 | 10643.5 | 10606.8 | 10530.6 | 10464.2 | 10386.6 | 10342.8 | 10308.9 | 10316.0 | 10368.2 |
| 70°   | 9982.8  | 10077.4 | 10128.2 | 10139.5 | 10129.6 | 10013.8 | 9947.5  | 9908.0  | 9879.7  | 9810.5  | 9806.3  |
| 72.5° | 8458.1  | 8572.4  | 8611.9  | 8675.5  | 8703.7  | 8532.9  | 8460.9  | 8504.6  | 8405.8  | 8187.0  | 8196.9  |
| 75°   | 6210.5  | 6218.9  | 6086.2  | 6060.8  | 5966.2  | 5579.4  | 5463.6  | 5357.8  | 5188.3  | 4924.3  | 4675.9  |
| 77.5° | 3237.2  | 3235.8  | 3083.4  | 3005.7  | 2892.8  | 2659.8  | 2648.5  | 2459.3  | 2326.6  | 2085.2  | 1997.7  |
| 80°   | 2299.8  | 2336.5  | 2387.3  | 2412.8  | 2373.2  | 2282.9  | 2158.6  | 2024.5  | 1870.6  | 1719.6  | 1538.9  |
| 82.5° | 2138.9  | 2161.5  | 2188.3  | 2089.5  | 2034.4  | 1907.3  | 1812.7  | 1617.9  | 1509.2  | 1337.0  | 1154.8  |
| 85°   | 1040.5  | 1109.7  | 1056.0  | 993.9   | 972.7   | 761.0   | 735.5   | 614.1   | 557.7   | 458.8   | 427.8   |
| 87.5° | 66.4    | 81.9    | 73.4    | 66.4    | 57.9    | 32.5    | 43.8    | 31.1    | 32.5    | 24.0    | 21.2    |
| 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):**

|       | 76°     | 77°     | 78°     | 79°     | 80°     | 81°     | 82°    | 83°    | 84°    | 85°    | 86°    |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0°    | 1404.7  | 1404.7  | 1404.7  | 1404.7  | 1404.7  | 1404.7  | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 |
| 2.5°  | 1424.5  | 1423.1  | 1421.7  | 1420.3  | 1418.9  | 1418.9  | 1417.4 | 1416.0 | 1414.6 | 1411.8 | 1411.8 |
| 5°    | 1451.3  | 1451.3  | 1449.9  | 1447.1  | 1447.1  | 1444.3  | 1440.0 | 1438.6 | 1438.6 | 1435.8 | 1433.0 |
| 7.5°  | 1495.1  | 1493.7  | 1490.9  | 1489.4  | 1486.6  | 1483.8  | 1481.0 | 1478.1 | 1476.7 | 1472.5 | 1471.1 |
| 10°   | 1561.4  | 1558.6  | 1551.6  | 1548.7  | 1547.3  | 1544.5  | 1541.7 | 1538.9 | 1534.6 | 1531.8 | 1530.4 |
| 12.5° | 1636.3  | 1634.9  | 1629.2  | 1632.0  | 1625.0  | 1622.1  | 1619.3 | 1612.3 | 1615.1 | 1609.4 | 1606.6 |
| 15°   | 1711.1  | 1712.5  | 1709.7  | 1709.7  | 1704.0  | 1699.8  | 1697.0 | 1691.3 | 1689.9 | 1687.1 | 1684.3 |
| 17.5° | 1777.4  | 1780.3  | 1776.0  | 1773.2  | 1770.4  | 1767.6  | 1761.9 | 1756.3 | 1756.3 | 1750.6 | 1747.8 |
| 20°   | 1838.2  | 1841.0  | 1839.6  | 1836.7  | 1832.5  | 1831.1  | 1828.3 | 1824.0 | 1824.0 | 1821.2 | 1817.0 |
| 22.5° | 1907.3  | 1908.7  | 1908.7  | 1907.3  | 1903.1  | 1904.5  | 1901.7 | 1897.4 | 1898.9 | 1893.2 | 1893.2 |
| 25°   | 1990.6  | 1993.5  | 1996.3  | 1997.7  | 1994.9  | 1996.3  | 1993.5 | 1990.6 | 1989.2 | 1990.6 | 1989.2 |
| 27.5° | 2105.0  | 2107.8  | 2116.3  | 2109.2  | 2116.3  | 2117.7  | 2113.5 | 2107.8 | 2112.0 | 2119.1 | 2114.9 |
| 30°   | 2256.0  | 2253.2  | 2264.5  | 2265.9  | 2264.5  | 2265.9  | 2263.1 | 2258.9 | 2261.7 | 2274.4 | 2267.3 |
| 32.5° | 2425.5  | 2431.1  | 2433.9  | 2436.8  | 2441.0  | 2446.6  | 2442.4 | 2438.2 | 2445.2 | 2441.0 | 2450.9 |
| 35°   | 2630.2  | 2642.9  | 2647.1  | 2642.9  | 2645.7  | 2655.6  | 2654.2 | 2655.6 | 2669.7 | 2655.6 | 2673.9 |
| 37.5° | 2888.5  | 2901.2  | 2911.1  | 2905.5  | 2912.5  | 2912.5  | 2923.8 | 2954.9 | 2935.1 | 2960.5 | 2980.3 |
| 40°   | 3264.1  | 3283.8  | 3285.2  | 3283.8  | 3290.9  | 3299.4  | 3310.7 | 3344.5 | 3321.9 | 3348.8 | 3367.1 |
| 42.5° | 3650.9  | 3674.9  | 3683.4  | 3669.2  | 3684.8  | 3703.1  | 3704.5 | 3734.2 | 3735.6 | 3739.8 | 3749.7 |
| 45°   | 4087.1  | 4108.3  | 4125.3  | 4118.2  | 4119.6  | 4143.6  | 4138.0 | 4166.2 | 4145.0 | 4145.0 | 4150.7 |
| 47.5° | 4551.6  | 4571.4  | 4582.7  | 4594.0  | 4579.9  | 4601.0  | 4610.9 | 4605.3 | 4579.9 | 4574.2 | 4540.3 |
| 50°   | 4975.2  | 4992.1  | 5009.0  | 5040.1  | 5038.7  | 5048.6  | 5055.6 | 5030.2 | 5024.6 | 4993.5 | 4955.4 |
| 52.5° | 5424.1  | 5467.9  | 5506.0  | 5570.9  | 5580.8  | 5614.7  | 5602.0 | 5559.6 | 5552.6 | 5501.8 | 5450.9 |
| 55°   | 6049.5  | 6175.2  | 6230.2  | 6330.5  | 6398.2  | 6396.8  | 6368.6 | 6361.5 | 6307.9 | 6206.2 | 6145.5 |
| 57.5° | 7138.0  | 7334.3  | 7428.9  | 7558.7  | 7579.9  | 7567.2  | 7530.5 | 7465.6 | 7372.4 | 7201.6 | 7091.4 |
| 60°   | 8709.3  | 8830.8  | 8940.9  | 8971.9  | 8987.5  | 8963.5  | 8835.0 | 8691.0 | 8508.9 | 8273.1 | 8076.9 |
| 62.5° | 9896.7  | 10020.9 | 10102.8 | 10090.1 | 9992.7  | 9869.8  | 9682.1 | 9440.7 | 9185.1 | 8921.1 | 8627.5 |
| 65°   | 10500.9 | 10553.2 | 10540.4 | 10441.6 | 10275.0 | 10060.4 | 9786.5 | 9488.7 | 9187.9 | 8875.9 | 8571.0 |
| 67°   | 10468.4 | 10469.9 | 10383.7 | 10191.7 | 9978.6  | 9708.9  | 9374.3 | 9049.6 | 8696.6 | 8369.1 | 8006.3 |
| 67.5° | 10410.6 | 10404.9 | 10284.9 | 10074.6 | 9844.4  | 9566.3  | 9219.0 | 8883.0 | 8517.3 | 8187.0 | 7811.4 |
| 70°   | 9755.5  | 9676.4  | 9405.4  | 9069.4  | 8748.9  | 8373.3  | 8009.1 | 7623.7 | 7211.4 | 6927.7 | 6495.7 |
| 72.5° | 8016.2  | 7749.3  | 7282.0  | 6930.5  | 6587.4  | 6096.1  | 5868.8 | 5390.2 | 5100.8 | 4920.1 | 4594.0 |
| 75°   | 4642.0  | 4418.9  | 4057.5  | 3728.5  | 3562.0  | 3271.1  | 3132.8 | 2781.2 | 2707.8 | 2705.0 | 2592.1 |
| 77.5° | 1771.8  | 1545.9  | 1313.0  | 1057.4  | 899.3   | 714.4   | 629.7  | 563.3  | 512.5  | 547.8  | 497.0  |
| 80°   | 1328.5  | 1092.7  | 854.1   | 621.2   | 443.3   | 327.5   | 280.9  | 259.8  | 247.1  | 237.2  | 230.1  |
| 82.5° | 989.7   | 780.7   | 605.7   | 395.3   | 276.7   | 208.9   | 180.7  | 169.4  | 163.8  | 153.9  | 145.4  |
| 85°   | 334.6   | 268.2   | 211.8   | 146.8   | 115.8   | 94.6    | 87.5   | 84.7   | 80.5   | 73.4   | 69.2   |
| 87.5° | 18.4    | 16.9    | 18.4    | 14.1    | 16.9    | 14.1    | 15.5   | 15.5   | 15.5   | 14.1   | 14.1   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P151436

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**CANDELA DISTRIBUTION (continued):**

|       | 87°    | 88°    | 89°    | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 | 1404.7 |
| 2.5°  | 1410.4 | 1410.4 | 1410.4 | 1407.6 | 1403.3 | 1394.9 | 1386.4 | 1379.3 | 1372.3 | 1368.0 | 1365.2 |
| 5°    | 1431.6 | 1428.7 | 1427.3 | 1425.9 | 1416.0 | 1399.1 | 1383.6 | 1369.4 | 1355.3 | 1344.0 | 1339.8 |
| 7.5°  | 1469.7 | 1464.0 | 1462.6 | 1458.4 | 1445.7 | 1420.3 | 1397.7 | 1375.1 | 1355.3 | 1339.8 | 1332.7 |
| 10°   | 1527.6 | 1527.6 | 1519.1 | 1513.4 | 1499.3 | 1465.4 | 1433.0 | 1403.3 | 1376.5 | 1359.6 | 1355.3 |
| 12.5° | 1601.0 | 1601.0 | 1593.9 | 1589.7 | 1572.7 | 1529.0 | 1489.4 | 1454.1 | 1428.7 | 1411.8 | 1410.4 |
| 15°   | 1677.2 | 1675.8 | 1670.2 | 1664.5 | 1646.2 | 1599.6 | 1560.0 | 1529.0 | 1507.8 | 1488.0 | 1482.4 |
| 17.5° | 1745.0 | 1745.0 | 1737.9 | 1732.3 | 1713.9 | 1674.4 | 1639.1 | 1616.5 | 1592.5 | 1551.6 | 1520.5 |
| 20°   | 1812.7 | 1814.2 | 1808.5 | 1802.9 | 1787.3 | 1753.4 | 1737.9 | 1715.3 | 1661.7 | 1572.7 | 1499.3 |
| 22.5° | 1887.6 | 1893.2 | 1886.2 | 1880.5 | 1867.8 | 1853.7 | 1848.0 | 1794.4 | 1681.4 | 1538.9 | 1431.6 |
| 25°   | 1983.6 | 1993.5 | 1985.0 | 1982.2 | 1975.1 | 1979.3 | 1962.4 | 1838.2 | 1653.2 | 1465.4 | 1331.3 |
| 27.5° | 2114.9 | 2114.9 | 2116.3 | 2116.3 | 2113.5 | 2129.0 | 2066.9 | 1839.6 | 1591.1 | 1370.9 | 1211.3 |
| 30°   | 2268.8 | 2277.2 | 2274.4 | 2274.4 | 2285.7 | 2295.6 | 2124.7 | 1808.5 | 1512.0 | 1253.7 | 1064.5 |
| 32.5° | 2453.7 | 2460.8 | 2463.6 | 2450.9 | 2496.0 | 2445.2 | 2145.9 | 1752.0 | 1414.6 | 1108.3 | 889.4  |
| 35°   | 2676.8 | 2686.6 | 2693.7 | 2695.1 | 2724.8 | 2575.1 | 2134.6 | 1668.7 | 1274.8 | 926.1  | 697.4  |
| 37.5° | 2967.6 | 2987.4 | 3002.9 | 3009.9 | 3011.4 | 2685.2 | 2103.6 | 1558.6 | 1092.7 | 722.8  | 519.5  |
| 40°   | 3354.4 | 3375.6 | 3371.4 | 3385.5 | 3305.0 | 2750.2 | 2033.0 | 1399.1 | 866.8  | 530.8  | 400.9  |
| 42.5° | 3727.1 | 3730.0 | 3735.6 | 3722.9 | 3559.1 | 2784.1 | 1934.2 | 1204.3 | 649.4  | 396.7  | 343.1  |
| 45°   | 4143.6 | 4119.6 | 4092.8 | 4073.0 | 3793.5 | 2796.8 | 1798.6 | 967.1  | 458.8  | 333.2  | 317.7  |
| 47.5° | 4534.7 | 4502.2 | 4447.1 | 4390.7 | 4002.4 | 2777.0 | 1625.0 | 724.2  | 348.7  | 304.9  | 300.7  |
| 50°   | 4918.7 | 4858.0 | 4780.3 | 4715.4 | 4202.9 | 2747.3 | 1433.0 | 522.4  | 304.9  | 290.8  | 286.6  |
| 52.5° | 5394.5 | 5292.8 | 5191.2 | 5106.5 | 4464.1 | 2700.8 | 1231.1 | 396.7  | 286.6  | 279.5  | 273.9  |
| 55°   | 6046.7 | 5905.5 | 5741.8 | 5623.2 | 4818.4 | 2630.2 | 1019.3 | 336.0  | 278.1  | 272.5  | 264.0  |
| 57.5° | 6950.3 | 6738.5 | 6553.5 | 6360.1 | 5302.7 | 2558.2 | 837.2  | 312.0  | 276.7  | 268.2  | 256.9  |
| 60°   | 7873.6 | 7619.4 | 7383.7 | 7107.0 | 5796.8 | 2486.2 | 710.1  | 309.2  | 280.9  | 268.2  | 251.3  |
| 62.5° | 8353.6 | 8091.0 | 7807.2 | 7526.3 | 6010.0 | 2316.8 | 622.6  | 313.4  | 290.8  | 272.5  | 251.3  |
| 65°   | 8243.5 | 7923.0 | 7635.0 | 7348.4 | 5762.9 | 1996.3 | 526.6  | 319.1  | 310.6  | 289.4  | 255.5  |
| 67°   | 7690.0 | 7355.4 | 7078.7 | 6804.8 | 5212.3 | 1671.6 | 451.8  | 324.7  | 331.8  | 309.2  | 264.0  |
| 67.5° | 7495.2 | 7160.6 | 6888.1 | 6621.3 | 5050.0 | 1603.8 | 433.4  | 327.5  | 336.0  | 314.8  | 266.8  |
| 70°   | 6214.7 | 5969.1 | 5679.6 | 5473.5 | 4088.6 | 1187.3 | 355.8  | 333.2  | 361.4  | 347.3  | 279.5  |
| 72.5° | 4472.6 | 4238.2 | 4020.8 | 3906.4 | 3011.4 | 830.1  | 299.3  | 327.5  | 376.9  | 365.7  | 285.2  |
| 75°   | 2377.5 | 2363.3 | 2284.3 | 2340.8 | 1863.6 | 542.1  | 264.0  | 306.4  | 360.0  | 334.6  | 265.4  |
| 77.5° | 480.0  | 494.1  | 580.2  | 571.8  | 601.4  | 302.1  | 225.9  | 262.6  | 278.1  | 245.7  | 216.0  |
| 80°   | 223.1  | 218.8  | 214.6  | 217.4  | 213.2  | 193.4  | 183.5  | 206.1  | 193.4  | 158.1  | 144.0  |
| 82.5° | 138.4  | 135.5  | 131.3  | 129.9  | 144.0  | 153.9  | 160.9  | 162.4  | 128.5  | 110.1  | 105.9  |
| 85°   | 66.4   | 66.4   | 64.9   | 67.8   | 84.7   | 125.6  | 135.5  | 120.0  | 86.1   | 79.1   | 74.8   |
| 87.5° | 12.7   | 12.7   | 14.1   | 12.7   | 16.9   | 29.6   | 33.9   | 39.5   | 32.5   | 33.9   | 38.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P151436

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**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|
| 0°    | 1404.7 | 1404.7 | 1404.7 |
| 2.5°  | 1362.4 | 1359.6 | 1359.6 |
| 5°    | 1334.1 | 1332.7 | 1332.7 |
| 7.5°  | 1327.1 | 1328.5 | 1327.1 |
| 10°   | 1353.9 | 1352.5 | 1358.1 |
| 12.5° | 1413.2 | 1417.4 | 1416.0 |
| 15°   | 1475.3 | 1478.1 | 1478.1 |
| 17.5° | 1493.7 | 1483.8 | 1482.4 |
| 20°   | 1445.7 | 1427.3 | 1423.1 |
| 22.5° | 1355.3 | 1321.4 | 1322.8 |
| 25°   | 1241.0 | 1200.0 | 1202.8 |
| 27.5° | 1108.3 | 1064.5 | 1063.1 |
| 30°   | 948.7  | 900.7  | 876.7  |
| 32.5° | 756.7  | 698.8  | 698.8  |
| 35°   | 569.0  | 522.4  | 505.4  |
| 37.5° | 432.0  | 405.2  | 396.7  |
| 40°   | 360.0  | 347.3  | 344.5  |
| 42.5° | 327.5  | 323.3  | 321.9  |
| 45°   | 310.6  | 307.8  | 306.4  |
| 47.5° | 295.1  | 293.7  | 292.2  |
| 50°   | 283.8  | 282.4  | 280.9  |
| 52.5° | 273.9  | 271.1  | 269.7  |
| 55°   | 259.8  | 259.8  | 259.8  |
| 57.5° | 251.3  | 251.3  | 249.9  |
| 60°   | 242.8  | 241.4  | 241.4  |
| 62.5° | 235.8  | 232.9  | 234.4  |
| 65°   | 231.5  | 227.3  | 227.3  |
| 67°   | 228.7  | 220.2  | 220.2  |
| 67.5° | 228.7  | 217.4  | 217.4  |
| 70°   | 224.5  | 206.1  | 203.3  |
| 72.5° | 220.2  | 193.4  | 189.2  |
| 75°   | 208.9  | 183.5  | 179.3  |
| 77.5° | 179.3  | 163.8  | 160.9  |
| 80°   | 138.4  | 120.0  | 122.8  |
| 82.5° | 100.2  | 86.1   | 84.7   |
| 85°   | 72.0   | 62.1   | 62.1   |
| 87.5° | 38.1   | 32.5   | 33.9   |
| 90°   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)