

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: McGRAW-EDISON

Report Number: P144387

Luminaire Tested: **CNC-F03-LED-E1-WQ-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P144387  
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: MCGRAW-EDISON  
Catalog Number: CNC-F03-LED-E1-WQ-7060  
Description: CONCISE LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE 5 SQUARE  
Light Source: (21) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7857.8 lumens  
Efficiency: N/A  
Efficacy: 100.4 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

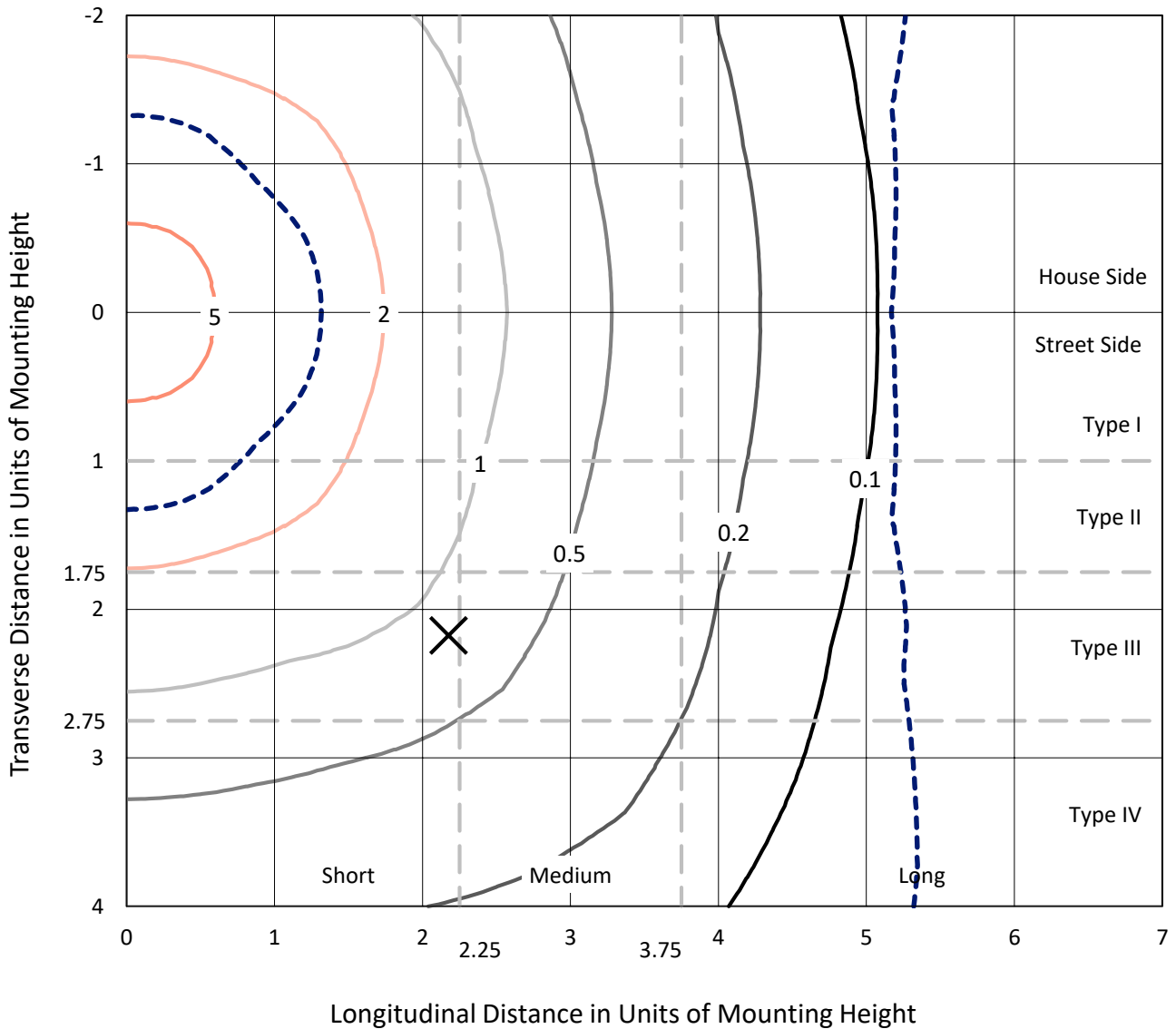
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

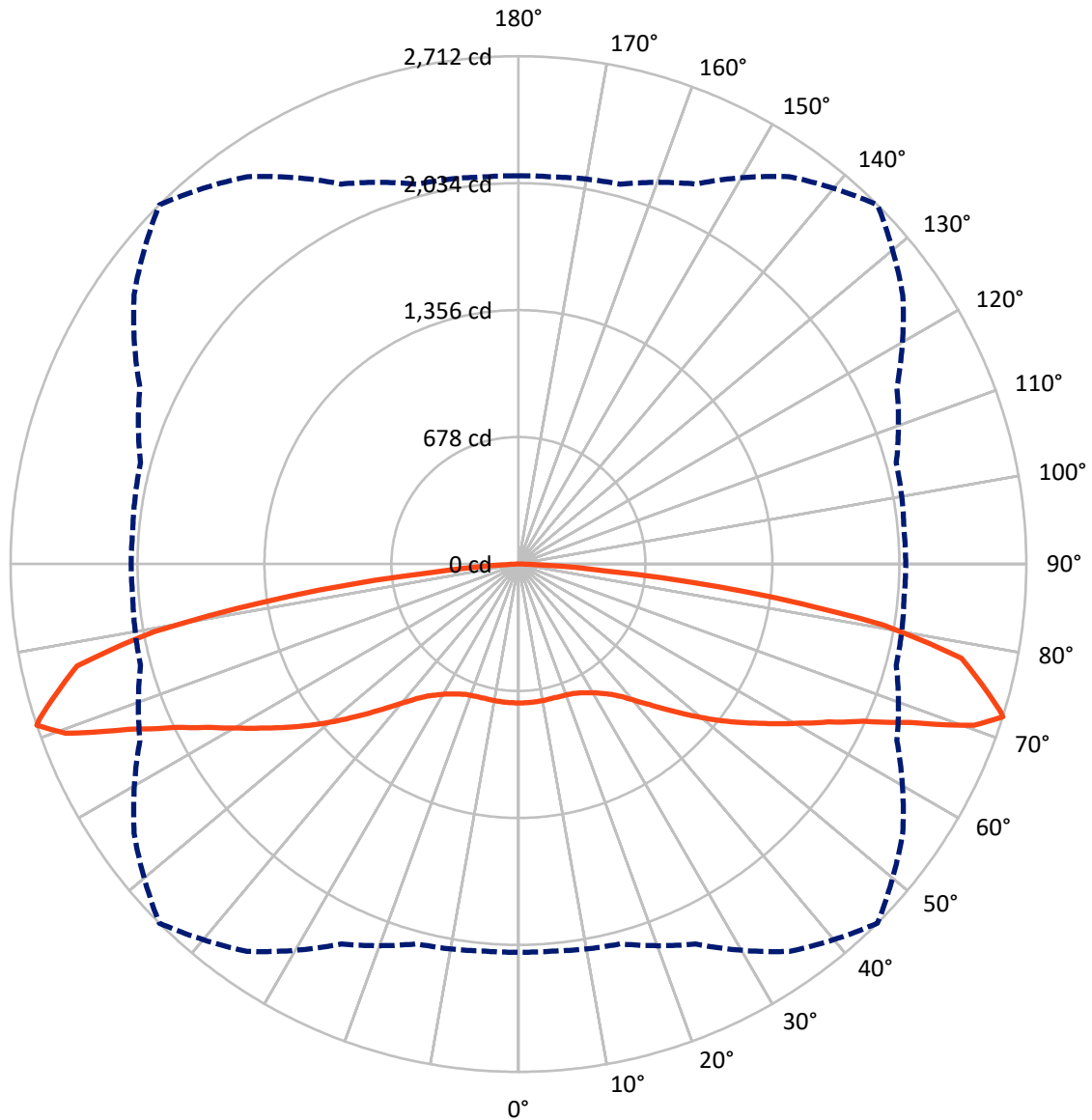
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3928.9   | 0.0    | 3928.9 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3928.9   | 0.0    | 3928.9 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 7857.8   | 0.0    | 7857.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 70.8   | 0.9       |
| 10°-20°   | 210.4  | 2.7       |
| 20°-30°   | 353.4  | 4.5       |
| 30°-40°   | 537.9  | 6.8       |
| 40°-50°   | 850.3  | 10.8      |
| 50°-60°   | 1298.7 | 16.5      |
| 60°-70°   | 1902.6 | 24.2      |
| 70°-80°   | 2161.5 | 27.5      |
| 80°-90°   | 472.2  | 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°    | 7857.8 | 100.0     |
| 0°-180°   | 7857.8 | 100.0     |



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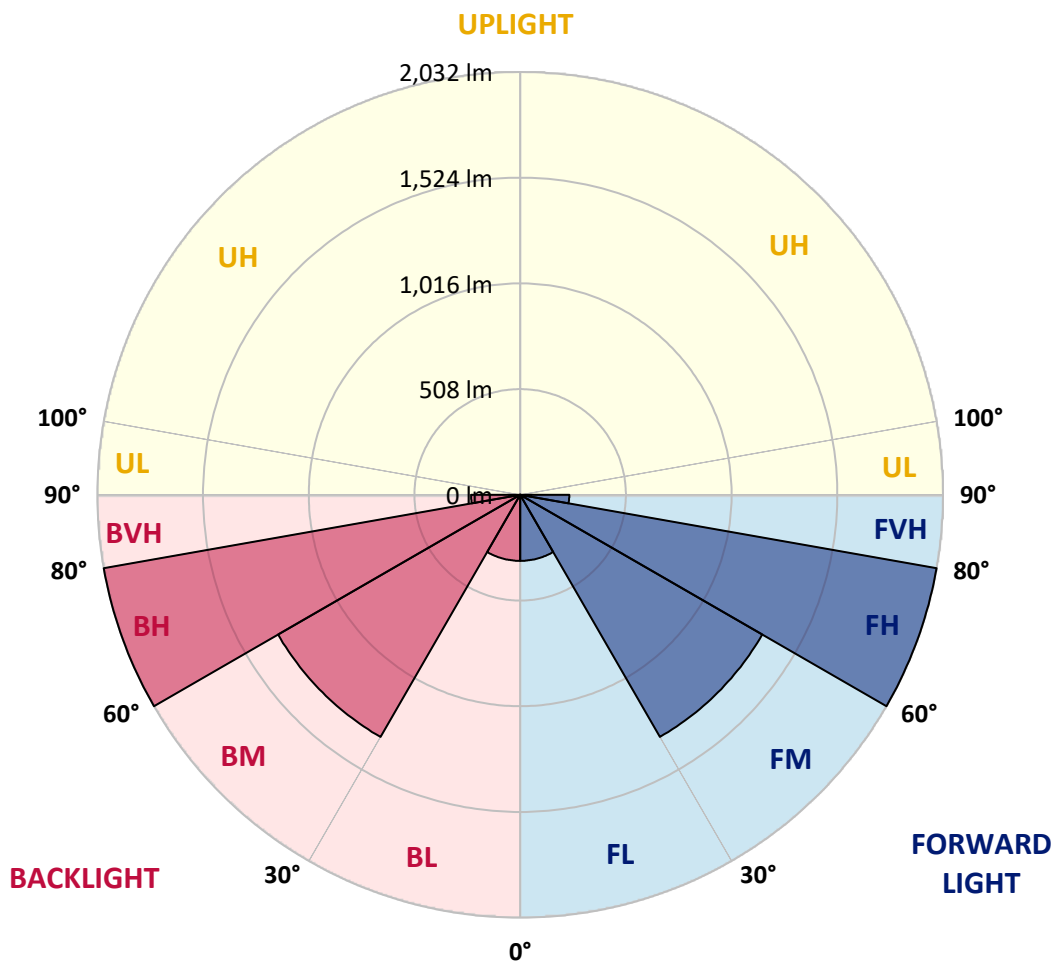
CATALOG NUMBER: CNC-F03-LED-E1-WQ-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 317.3  | 4.0       |                         |      |         |
| FM   | (30°-60°)   | 1343.4 | 17.1      |                         |      |         |
| FH   | (60°-80°)   | 2032.1 | 25.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 236.1  | 3.0       |                         |      | G3/500  |
| BL   | (0°-30°)    | 317.3  | 4.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1343.4 | 17.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 2032.1 | 25.9      | B3/2500                 |      | G2/5000 |
| BVH  | (80°-90°)   | 236.1  | 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°    | 742.0  | 742.0  | 742.0  | 742.0  | 742.0  | 742.0  | 742.0  | 742.0  | 742.0  | 742.0  | 742.0  |
| 2.5°  | 743.6  | 743.3  | 742.8  | 742.3  | 742.0  | 741.8  | 741.8  | 741.8  | 741.7  | 741.6  | 741.7  |
| 5°    | 743.6  | 743.3  | 743.0  | 742.6  | 742.2  | 741.8  | 741.8  | 741.8  | 741.7  | 741.6  | 741.8  |
| 7.5°  | 742.6  | 742.8  | 742.4  | 742.0  | 741.9  | 741.8  | 741.6  | 741.6  | 741.3  | 741.0  | 741.2  |
| 10°   | 742.8  | 743.8  | 743.0  | 742.3  | 742.0  | 741.8  | 741.3  | 740.8  | 740.6  | 740.5  | 740.2  |
| 12.5° | 743.3  | 744.3  | 743.4  | 742.6  | 742.2  | 741.8  | 741.3  | 740.8  | 740.4  | 740.0  | 739.6  |
| 15°   | 744.8  | 745.6  | 744.8  | 744.0  | 743.3  | 742.6  | 742.0  | 741.6  | 740.8  | 740.0  | 739.6  |
| 17.5° | 745.8  | 747.2  | 746.2  | 745.3  | 744.4  | 743.6  | 743.0  | 742.6  | 742.0  | 741.6  | 740.9  |
| 20°   | 747.7  | 748.9  | 748.2  | 747.4  | 746.9  | 746.3  | 746.0  | 745.6  | 745.2  | 744.8  | 743.9  |
| 22.5° | 750.9  | 752.0  | 751.7  | 751.4  | 751.6  | 751.7  | 751.8  | 752.0  | 751.7  | 751.4  | 750.5  |
| 25°   | 757.8  | 757.8  | 758.3  | 758.8  | 759.6  | 760.4  | 761.0  | 761.6  | 762.0  | 762.4  | 761.2  |
| 27.5° | 769.8  | 770.8  | 771.1  | 771.5  | 772.8  | 774.1  | 775.5  | 776.8  | 777.6  | 778.4  | 777.2  |
| 30°   | 785.2  | 785.2  | 786.1  | 787.0  | 789.2  | 791.4  | 793.1  | 794.9  | 796.3  | 797.6  | 796.8  |
| 32.5° | 805.1  | 806.4  | 807.6  | 808.8  | 811.5  | 814.2  | 817.2  | 820.3  | 822.1  | 823.9  | 822.5  |
| 35°   | 835.3  | 836.8  | 838.1  | 839.4  | 842.2  | 845.0  | 848.4  | 851.8  | 853.3  | 854.8  | 854.0  |
| 37.5° | 878.0  | 878.0  | 879.8  | 881.6  | 883.3  | 885.1  | 889.7  | 894.2  | 896.2  | 898.1  | 896.6  |
| 40°   | 935.7  | 936.0  | 936.3  | 936.7  | 938.4  | 940.0  | 945.6  | 951.2  | 954.5  | 957.8  | 954.6  |
| 42.5° | 1002.0 | 1004.8 | 1004.7 | 1004.6 | 1005.7 | 1006.8 | 1012.2 | 1017.5 | 1022.2 | 1026.9 | 1025.0 |
| 45°   | 1080.3 | 1079.8 | 1078.8 | 1077.8 | 1081.2 | 1084.6 | 1092.2 | 1099.8 | 1104.1 | 1108.2 | 1104.3 |
| 47.5° | 1159.3 | 1158.6 | 1157.2 | 1155.8 | 1159.2 | 1162.6 | 1174.1 | 1185.5 | 1191.5 | 1197.4 | 1191.1 |
| 50°   | 1238.1 | 1241.2 | 1239.4 | 1237.6 | 1242.7 | 1247.8 | 1262.2 | 1276.8 | 1285.5 | 1294.2 | 1286.9 |
| 52.5° | 1325.2 | 1327.5 | 1325.5 | 1323.4 | 1330.4 | 1337.4 | 1354.6 | 1371.8 | 1383.4 | 1395.1 | 1385.2 |
| 55°   | 1415.4 | 1412.7 | 1413.8 | 1415.0 | 1421.6 | 1428.2 | 1449.3 | 1470.4 | 1484.3 | 1498.3 | 1487.1 |
| 57.5° | 1499.9 | 1500.9 | 1499.7 | 1498.6 | 1509.0 | 1519.4 | 1546.0 | 1572.6 | 1590.0 | 1607.6 | 1593.6 |
| 60°   | 1586.2 | 1586.5 | 1584.0 | 1581.4 | 1592.7 | 1604.0 | 1642.2 | 1680.3 | 1703.0 | 1725.8 | 1706.6 |
| 62.5° | 1682.8 | 1682.6 | 1678.1 | 1673.6 | 1687.0 | 1700.3 | 1747.6 | 1794.9 | 1826.1 | 1857.4 | 1834.0 |
| 65°   | 1801.2 | 1798.2 | 1795.6 | 1793.1 | 1808.5 | 1823.8 | 1882.6 | 1941.2 | 1983.4 | 2025.6 | 1995.5 |
| 67.5° | 1975.8 | 1973.5 | 1968.2 | 1962.8 | 1980.0 | 1997.2 | 2072.4 | 2147.6 | 2202.1 | 2256.6 | 2216.8 |
| 70°   | 2167.9 | 2163.6 | 2167.3 | 2171.0 | 2210.6 | 2250.2 | 2351.2 | 2452.0 | 2516.6 | 2581.1 | 2514.3 |
| 72°   | 2073.1 | 2074.9 | 2087.2 | 2099.6 | 2169.0 | 2238.6 | 2381.9 | 2525.2 | 2618.6 | 2712.0 | 2608.7 |
| 72.5° | 2040.1 | 2041.6 | 2055.6 | 2069.6 | 2135.9 | 2202.2 | 2350.0 | 2497.8 | 2594.5 | 2691.2 | 2585.0 |
| 75°   | 1899.8 | 1903.9 | 1920.0 | 1936.2 | 2003.4 | 2070.6 | 2219.6 | 2368.6 | 2461.3 | 2554.0 | 2447.6 |
| 77.5° | 1670.9 | 1683.6 | 1700.0 | 1716.4 | 1796.4 | 1876.4 | 2044.9 | 2213.4 | 2315.7 | 2418.0 | 2297.3 |
| 80°   | 1275.2 | 1270.6 | 1298.8 | 1327.0 | 1403.5 | 1480.0 | 1610.4 | 1740.8 | 1858.5 | 1976.3 | 1840.6 |
| 82.5° | 495.6  | 506.4  | 564.9  | 623.4  | 703.5  | 783.7  | 900.5  | 1017.2 | 1123.4 | 1229.4 | 1116.5 |
| 85°   | 51.1   | 58.2   | 79.2   | 100.2  | 143.8  | 187.6  | 258.7  | 329.8  | 399.6  | 469.4  | 393.6  |
| 87.5° | 20.6   | 22.6   | 29.1   | 35.6   | 37.2   | 38.8   | 47.0   | 55.2   | 54.8   | 54.4   | 53.6   |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 742.0  | 742.0  | 742.0  | 742.0  | 742.0  | 742.0  | 742.0  | 742.0  |
| 2.5°  | 741.8  | 742.0  | 742.3  | 742.3  | 742.3  | 742.7  | 743.0  | 742.5  |
| 5°    | 742.0  | 742.2  | 742.3  | 742.3  | 742.3  | 742.7  | 743.0  | 742.5  |
| 7.5°  | 741.3  | 741.3  | 741.3  | 741.7  | 742.0  | 742.2  | 742.2  | 742.0  |
| 10°   | 740.0  | 740.2  | 740.3  | 740.7  | 741.0  | 741.4  | 741.8  | 742.0  |
| 12.5° | 739.2  | 739.4  | 739.5  | 739.9  | 740.2  | 740.6  | 741.0  | 741.5  |
| 15°   | 739.2  | 739.4  | 739.5  | 739.8  | 740.0  | 740.5  | 741.0  | 741.5  |
| 17.5° | 740.2  | 740.0  | 739.8  | 740.0  | 740.3  | 740.9  | 741.5  | 742.0  |
| 20°   | 743.0  | 742.7  | 742.2  | 742.3  | 742.3  | 742.9  | 743.6  | 743.6  |
| 22.5° | 749.7  | 748.4  | 747.1  | 746.9  | 746.7  | 746.8  | 746.8  | 747.1  |
| 25°   | 760.1  | 758.0  | 756.0  | 755.4  | 754.8  | 754.5  | 754.2  | 754.7  |
| 27.5° | 776.1  | 773.8  | 771.5  | 770.1  | 768.7  | 768.0  | 767.2  | 767.5  |
| 30°   | 795.9  | 793.2  | 790.6  | 788.3  | 786.0  | 785.0  | 784.0  | 784.2  |
| 32.5° | 821.0  | 817.9  | 814.8  | 811.7  | 808.6  | 807.2  | 805.8  | 806.1  |
| 35°   | 853.1  | 849.4  | 845.7  | 843.2  | 840.6  | 838.4  | 836.3  | 838.1  |
| 37.5° | 895.0  | 891.6  | 888.2  | 886.5  | 884.8  | 882.9  | 881.0  | 881.3  |
| 40°   | 951.4  | 947.9  | 944.4  | 942.9  | 941.5  | 939.1  | 936.7  | 937.2  |
| 42.5° | 1023.1 | 1017.8 | 1012.4 | 1009.9 | 1007.3 | 1006.2 | 1005.1 | 1005.8 |
| 45°   | 1100.4 | 1095.0 | 1089.7 | 1087.5 | 1085.4 | 1082.3 | 1079.3 | 1082.1 |
| 47.5° | 1184.8 | 1178.0 | 1171.2 | 1167.4 | 1163.6 | 1164.6 | 1165.6 | 1163.4 |
| 50°   | 1279.5 | 1268.2 | 1256.9 | 1252.4 | 1248.0 | 1248.0 | 1248.0 | 1247.7 |
| 52.5° | 1375.3 | 1359.7 | 1344.1 | 1340.2 | 1336.4 | 1335.5 | 1334.6 | 1333.6 |
| 55°   | 1475.9 | 1456.8 | 1437.6 | 1430.4 | 1423.4 | 1424.4 | 1425.4 | 1428.2 |
| 57.5° | 1579.6 | 1554.4 | 1529.0 | 1520.9 | 1512.8 | 1513.4 | 1514.1 | 1518.6 |
| 60°   | 1687.4 | 1654.7 | 1622.0 | 1613.0 | 1604.0 | 1606.4 | 1608.8 | 1611.6 |
| 62.5° | 1810.6 | 1771.1 | 1731.6 | 1719.5 | 1707.4 | 1710.5 | 1713.6 | 1720.9 |
| 65°   | 1965.4 | 1916.1 | 1866.8 | 1854.2 | 1841.6 | 1843.0 | 1844.4 | 1857.1 |
| 67.5° | 2177.0 | 2111.4 | 2045.7 | 2034.1 | 2022.6 | 2024.6 | 2026.6 | 2047.2 |
| 70°   | 2447.4 | 2350.1 | 2252.8 | 2204.9 | 2157.0 | 2149.5 | 2142.0 | 2152.9 |
| 72°   | 2505.4 | 2367.9 | 2230.4 | 2159.8 | 2089.2 | 2078.1 | 2067.0 | 2068.1 |
| 72.5° | 2478.8 | 2339.7 | 2200.7 | 2132.1 | 2063.5 | 2054.5 | 2045.4 | 2043.7 |
| 75°   | 2341.2 | 2205.3 | 2069.4 | 1998.4 | 1927.6 | 1910.4 | 1893.2 | 1893.2 |
| 77.5° | 2176.6 | 2005.2 | 1833.8 | 1757.2 | 1680.8 | 1662.8 | 1645.0 | 1631.0 |
| 80°   | 1704.9 | 1551.3 | 1397.7 | 1320.0 | 1242.4 | 1213.7 | 1185.0 | 1167.9 |
| 82.5° | 1003.5 | 862.2  | 721.0  | 622.4  | 523.8  | 494.2  | 464.6  | 423.4  |
| 85°   | 317.9  | 244.6  | 171.3  | 133.7  | 96.1   | 77.7   | 59.2   | 51.8   |
| 87.5° | 52.8   | 43.0   | 33.0   | 31.9   | 30.8   | 24.2   | 17.6   | 14.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)