

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: P141853

Luminaire Tested: **MEM-F04-LED-E-U-T2-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P141853  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33682)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: MEM-F04-LED-E-U-T2-8030  
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA  
Light Source: (28) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8216.1 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

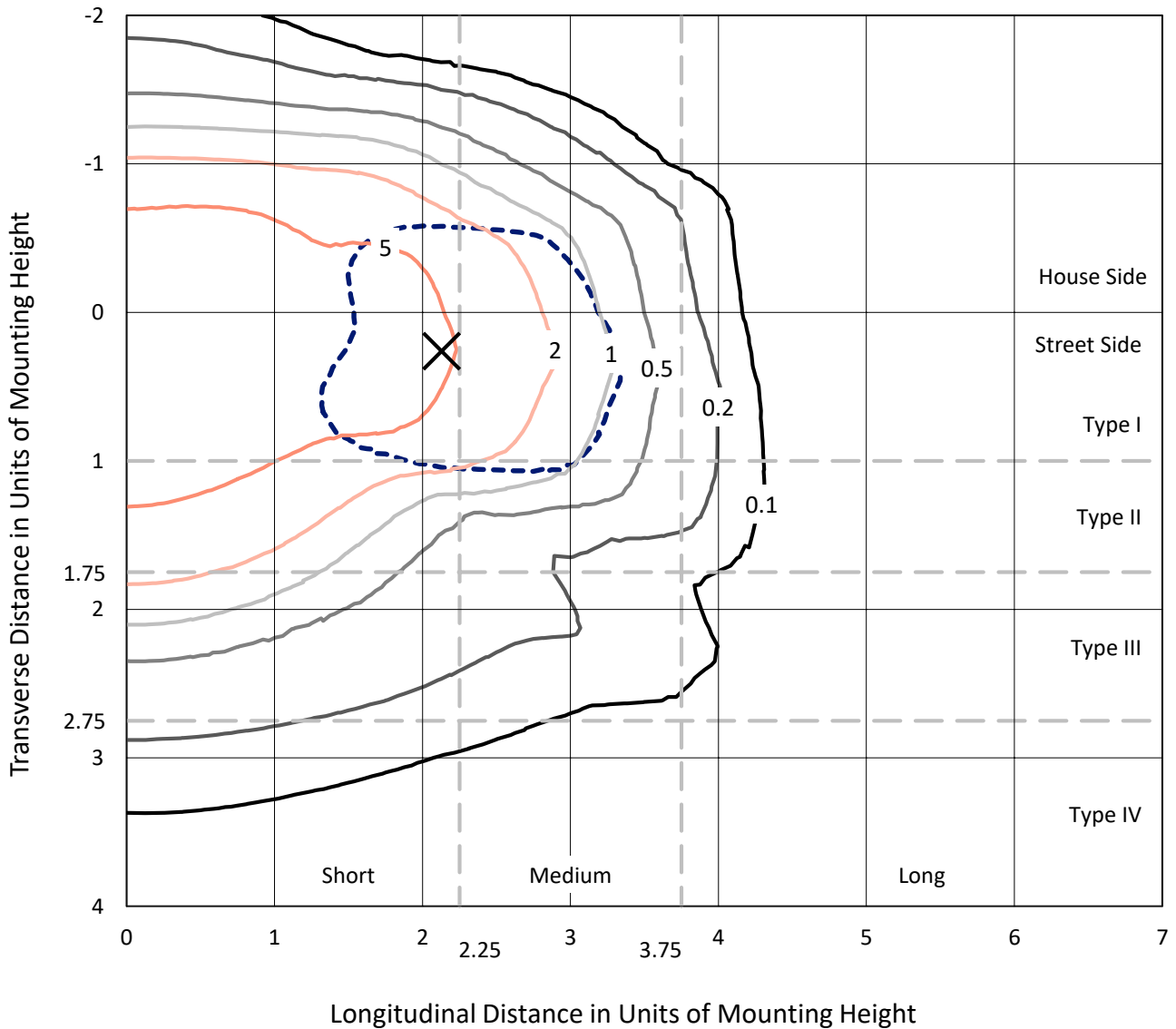
Input Watts (W): 102.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

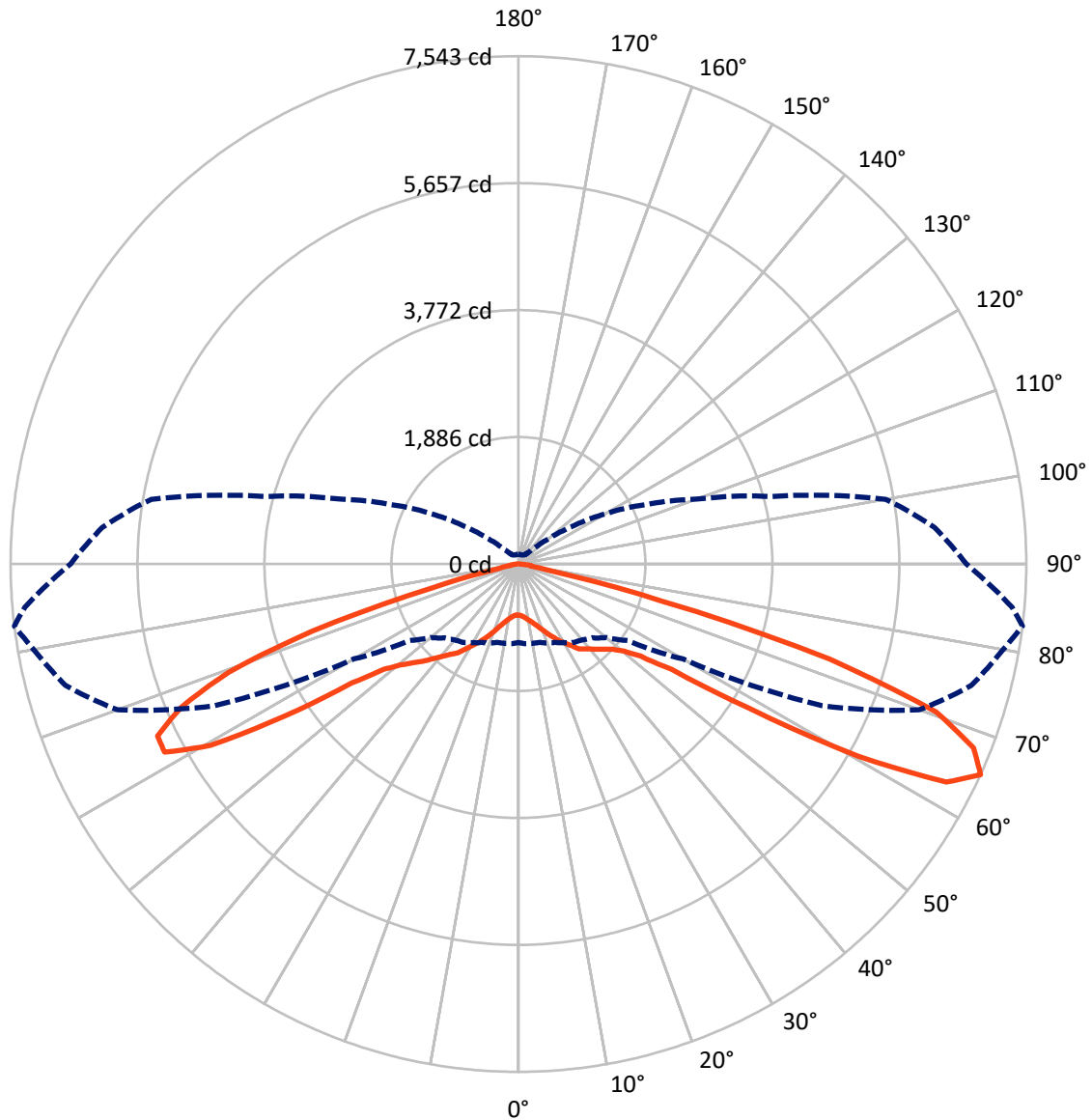


Based on 10 foot mounting height. Maximum calculated value = 9.6 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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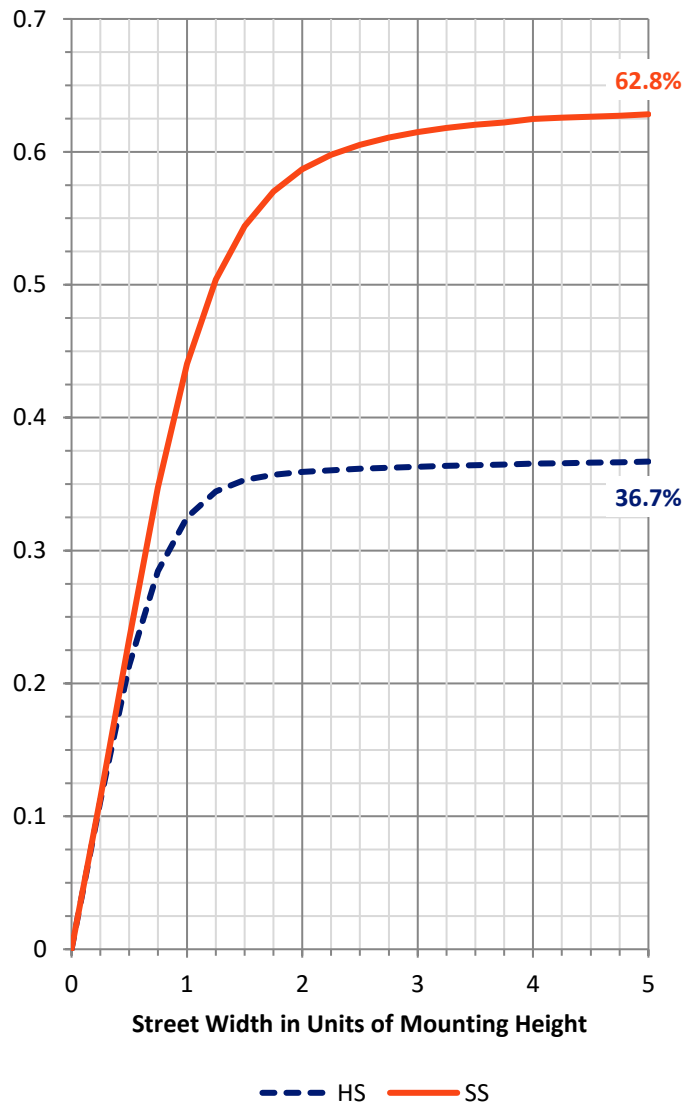
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3047.6   | 0.0    | 3047.6 |
|                    | % Fixture | 37.1     | 0.0    | 37.1   |
| <b>Street Side</b> | Lumens    | 5168.5   | 0.0    | 5168.5 |
|                    | % Fixture | 62.9     | 0.0    | 62.9   |
| <b>Total</b>       | Lumens    | 8216.1   | 0.0    | 8216.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 76.5   | 0.9       |
| 10°-20°   | 268.2  | 3.3       |
| 20°-30°   | 529.8  | 6.4       |
| 30°-40°   | 911.8  | 11.1      |
| 40°-50°   | 1375.6 | 16.7      |
| 50°-60°   | 1914.2 | 23.3      |
| 60°-70°   | 2209.5 | 26.9      |
| 70°-80°   | 803.0  | 9.8       |
| 80°-90°   | 127.5  | 1.6       |
| 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°    | 8216.1 | 100.0     |
| 0°-180°   | 8216.1 | 100.0     |

**Coefficient of Utilization**



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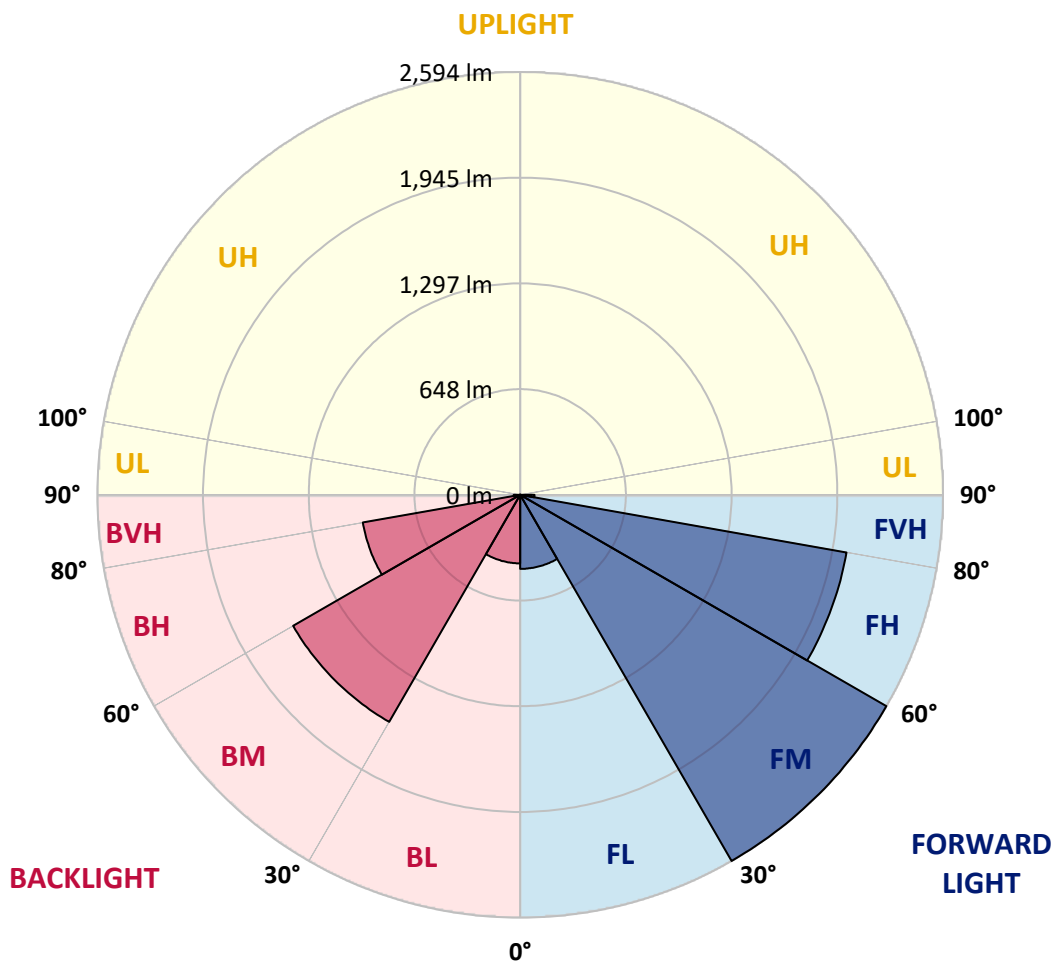
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 454.2  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 2593.6 | 31.6      |                         |      |         |
| FH   | (60°-80°)   | 2032.6 | 24.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 88.1   | 1.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 420.3  | 5.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1608.0 | 19.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 979.9  | 11.9      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 39.4   | 0.5       |                         |      | 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 II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  |
| 2.5°  | 798.0  | 799.9  | 798.0  | 798.0  | 797.1  | 796.1  | 796.1  | 795.2  | 793.3  | 791.5  | 790.6  |
| 5°    | 841.7  | 842.6  | 839.8  | 839.8  | 840.7  | 839.8  | 837.0  | 837.9  | 830.5  | 827.7  | 825.9  |
| 7.5°  | 890.0  | 892.8  | 889.0  | 887.2  | 886.2  | 884.4  | 881.6  | 877.0  | 871.4  | 866.7  | 864.0  |
| 10°   | 944.8  | 947.6  | 945.7  | 942.0  | 936.4  | 933.6  | 930.8  | 923.4  | 916.9  | 909.5  | 903.9  |
| 12.5° | 1009.8 | 1010.7 | 1008.9 | 1001.4 | 997.7  | 989.4  | 980.1  | 971.7  | 962.4  | 951.3  | 942.0  |
| 15°   | 1073.9 | 1074.8 | 1072.0 | 1064.6 | 1060.0 | 1049.7 | 1036.7 | 1025.6 | 1009.8 | 996.8  | 984.7  |
| 17.5° | 1123.1 | 1125.0 | 1119.4 | 1113.8 | 1107.3 | 1094.3 | 1082.3 | 1069.3 | 1052.5 | 1038.6 | 1026.5 |
| 20°   | 1139.9 | 1142.6 | 1138.9 | 1136.1 | 1132.4 | 1125.9 | 1113.8 | 1102.7 | 1087.8 | 1077.6 | 1068.3 |
| 22.5° | 1132.4 | 1135.2 | 1133.4 | 1133.4 | 1133.4 | 1132.4 | 1126.9 | 1124.1 | 1114.8 | 1110.1 | 1108.3 |
| 25°   | 1121.3 | 1124.1 | 1122.2 | 1124.1 | 1127.8 | 1132.4 | 1132.4 | 1138.0 | 1137.1 | 1144.5 | 1149.1 |
| 27.5° | 1150.1 | 1151.9 | 1147.3 | 1147.3 | 1151.0 | 1158.4 | 1156.6 | 1167.7 | 1169.6 | 1184.5 | 1198.4 |
| 30°   | 1250.4 | 1250.4 | 1243.0 | 1235.5 | 1238.3 | 1236.5 | 1234.6 | 1242.0 | 1242.0 | 1256.0 | 1262.5 |
| 32.5° | 1400.0 | 1389.8 | 1388.8 | 1387.9 | 1381.4 | 1386.0 | 1371.2 | 1372.1 | 1365.6 | 1367.5 | 1364.7 |
| 35°   | 1564.4 | 1563.5 | 1559.8 | 1557.9 | 1555.1 | 1569.0 | 1557.9 | 1567.2 | 1544.0 | 1535.6 | 1519.8 |
| 37.5° | 1708.4 | 1712.1 | 1714.9 | 1728.8 | 1735.3 | 1763.2 | 1769.7 | 1774.4 | 1750.2 | 1751.1 | 1715.8 |
| 40°   | 1853.3 | 1858.0 | 1868.2 | 1893.3 | 1911.8 | 1937.9 | 1949.9 | 1969.4 | 1971.3 | 1975.0 | 1949.0 |
| 42.5° | 2011.2 | 2003.8 | 2017.7 | 2049.3 | 2072.6 | 2098.6 | 2114.4 | 2150.6 | 2171.0 | 2181.2 | 2185.0 |
| 45°   | 2138.5 | 2130.2 | 2136.7 | 2155.2 | 2176.6 | 2210.0 | 2244.4 | 2298.3 | 2342.0 | 2389.3 | 2415.3 |
| 47.5° | 2204.5 | 2206.3 | 2211.0 | 2222.1 | 2237.0 | 2269.5 | 2317.8 | 2386.6 | 2457.2 | 2533.3 | 2601.1 |
| 50°   | 2225.8 | 2226.8 | 2233.3 | 2244.4 | 2258.4 | 2292.7 | 2342.9 | 2420.9 | 2506.4 | 2613.2 | 2717.3 |
| 52.5° | 2232.3 | 2228.6 | 2235.1 | 2240.7 | 2250.0 | 2278.8 | 2326.2 | 2407.9 | 2504.5 | 2633.7 | 2787.9 |
| 55°   | 2208.2 | 2203.5 | 2214.7 | 2222.1 | 2229.6 | 2252.8 | 2289.0 | 2364.3 | 2464.6 | 2611.4 | 2813.0 |
| 57.5° | 2115.3 | 2116.2 | 2132.0 | 2151.5 | 2171.0 | 2202.6 | 2250.0 | 2321.5 | 2420.9 | 2565.8 | 2791.6 |
| 60°   | 1958.3 | 1955.5 | 1975.0 | 1999.2 | 2032.6 | 2082.8 | 2141.3 | 2213.8 | 2296.4 | 2417.2 | 2639.2 |
| 62.5° | 1673.1 | 1684.2 | 1690.7 | 1727.0 | 1728.8 | 1800.4 | 1838.5 | 1910.9 | 1981.5 | 2074.4 | 2274.1 |
| 65°   | 1164.9 | 1189.1 | 1195.6 | 1204.9 | 1248.6 | 1285.7 | 1347.0 | 1423.2 | 1469.6 | 1551.4 | 1700.0 |
| 67.5° | 725.5  | 743.2  | 744.1  | 768.3  | 806.4  | 849.1  | 896.5  | 973.6  | 1044.2 | 1057.2 | 1131.5 |
| 70°   | 602.0  | 602.9  | 615.9  | 633.6  | 663.3  | 707.0  | 753.4  | 807.3  | 871.4  | 912.3  | 904.8  |
| 72.5° | 498.9  | 504.4  | 513.7  | 531.4  | 563.9  | 602.9  | 662.4  | 731.1  | 811.0  | 892.8  | 965.2  |
| 75°   | 334.4  | 343.7  | 346.5  | 354.9  | 370.7  | 406.0  | 450.6  | 515.6  | 618.7  | 740.4  | 894.6  |
| 77.5° | 177.4  | 179.3  | 185.8  | 192.3  | 200.7  | 222.0  | 250.8  | 284.3  | 352.1  | 457.1  | 638.2  |
| 80°   | 90.1   | 93.8   | 98.5   | 103.1  | 102.2  | 107.8  | 116.1  | 131.0  | 154.2  | 200.7  | 288.9  |
| 82.5° | 32.5   | 41.8   | 54.8   | 61.3   | 61.3   | 63.2   | 66.0   | 68.7   | 66.9   | 74.3   | 92.9   |
| 85°   | 14.9   | 16.7   | 21.4   | 33.4   | 34.4   | 34.4   | 34.4   | 36.2   | 34.4   | 30.7   | 36.2   |
| 87.5° | 0.0    | 2.8    | 2.8    | 8.4    | 9.3    | 8.4    | 9.3    | 12.1   | 9.3    | 7.4    | 6.5    |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 83°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  |
| 2.5°  | 785.9  | 784.1  | 779.4  | 777.6  | 772.0  | 768.3  | 766.4  | 764.6  | 761.8  | 758.0  | 755.3  |
| 5°    | 820.3  | 814.7  | 808.2  | 804.5  | 797.1  | 789.6  | 786.8  | 783.1  | 776.6  | 771.1  | 764.6  |
| 7.5°  | 856.5  | 850.0  | 842.6  | 834.2  | 826.8  | 818.4  | 814.7  | 811.0  | 801.7  | 794.3  | 785.0  |
| 10°   | 895.5  | 886.2  | 877.9  | 870.5  | 864.0  | 854.7  | 848.2  | 845.4  | 837.0  | 825.9  | 816.6  |
| 12.5° | 932.7  | 922.5  | 914.1  | 904.8  | 898.3  | 890.9  | 884.4  | 881.6  | 875.1  | 864.9  | 857.4  |
| 15°   | 971.7  | 961.5  | 952.2  | 945.7  | 938.3  | 933.6  | 929.9  | 925.3  | 922.5  | 914.1  | 910.4  |
| 17.5° | 1013.5 | 1004.2 | 995.9  | 990.3  | 987.5  | 986.6  | 985.6  | 983.8  | 981.0  | 975.4  | 972.6  |
| 20°   | 1060.9 | 1052.5 | 1049.7 | 1048.8 | 1049.7 | 1050.7 | 1052.5 | 1052.5 | 1053.5 | 1049.7 | 1048.8 |
| 22.5° | 1106.4 | 1106.4 | 1111.1 | 1116.6 | 1122.2 | 1125.9 | 1128.7 | 1125.0 | 1125.9 | 1131.5 | 1136.1 |
| 25°   | 1156.6 | 1164.9 | 1177.0 | 1186.3 | 1194.7 | 1201.2 | 1204.9 | 1206.7 | 1208.6 | 1217.0 | 1225.3 |
| 27.5° | 1210.5 | 1223.5 | 1241.1 | 1253.2 | 1269.0 | 1279.2 | 1286.6 | 1285.7 | 1288.5 | 1299.6 | 1314.5 |
| 30°   | 1277.3 | 1290.4 | 1308.9 | 1325.7 | 1347.0 | 1361.9 | 1364.7 | 1362.8 | 1366.5 | 1376.7 | 1406.5 |
| 32.5° | 1371.2 | 1374.0 | 1386.0 | 1402.8 | 1426.0 | 1440.8 | 1443.6 | 1448.3 | 1456.6 | 1475.2 | 1511.5 |
| 35°   | 1503.1 | 1491.0 | 1490.1 | 1497.5 | 1519.8 | 1548.6 | 1551.4 | 1554.2 | 1557.9 | 1582.1 | 1630.4 |
| 37.5° | 1681.5 | 1632.2 | 1602.5 | 1579.3 | 1582.1 | 1592.3 | 1597.8 | 1599.7 | 1609.0 | 1646.2 | 1727.9 |
| 40°   | 1905.3 | 1813.4 | 1747.4 | 1681.5 | 1657.3 | 1659.2 | 1661.0 | 1659.2 | 1677.7 | 1735.3 | 1842.2 |
| 42.5° | 2150.6 | 2069.8 | 1954.6 | 1818.0 | 1749.3 | 1727.0 | 1729.8 | 1731.6 | 1760.4 | 1844.0 | 1962.9 |
| 45°   | 2410.7 | 2358.7 | 2224.9 | 2011.2 | 1863.5 | 1806.9 | 1805.0 | 1808.7 | 1856.1 | 1974.1 | 2099.5 |
| 47.5° | 2639.2 | 2652.2 | 2553.8 | 2302.9 | 2049.3 | 1905.3 | 1893.3 | 1899.8 | 1976.9 | 2103.2 | 2230.5 |
| 50°   | 2820.4 | 2905.9 | 2898.4 | 2699.6 | 2350.3 | 2075.3 | 2032.6 | 2041.9 | 2132.9 | 2263.9 | 2378.2 |
| 52.5° | 2956.9 | 3130.7 | 3242.1 | 3163.2 | 2859.4 | 2383.8 | 2273.2 | 2257.4 | 2371.7 | 2510.1 | 2580.7 |
| 55°   | 3048.0 | 3329.5 | 3622.1 | 3758.7 | 3635.1 | 3049.8 | 2760.9 | 2726.6 | 2850.1 | 3026.6 | 3057.3 |
| 57.5° | 3108.4 | 3571.0 | 4200.9 | 4728.5 | 4896.7 | 4395.0 | 4032.7 | 3888.7 | 3978.8 | 4165.5 | 4125.6 |
| 60°   | 3008.0 | 3666.7 | 4899.4 | 5845.1 | 6323.6 | 6199.1 | 5795.9 | 5578.5 | 5410.4 | 5396.4 | 5174.4 |
| 62.5° | 2623.4 | 3439.1 | 5182.8 | 6376.5 | 7049.1 | 7204.2 | 7132.7 | 6875.4 | 6410.0 | 6151.7 | 5650.1 |
| 65°   | 1978.7 | 2817.6 | 4981.2 | 6335.6 | 6966.4 | 7310.1 | 7543.3 | 7358.5 | 6652.4 | 6205.6 | 5538.6 |
| 67.5° | 1264.3 | 1818.9 | 4143.3 | 5844.2 | 6436.9 | 6823.4 | 7289.7 | 7205.2 | 6303.1 | 5732.7 | 5007.2 |
| 70°   | 923.4  | 1007.9 | 2811.1 | 4946.8 | 5599.0 | 5939.0 | 6580.0 | 6542.8 | 5527.4 | 4886.4 | 4167.4 |
| 72.5° | 1063.7 | 751.5  | 1541.2 | 3695.5 | 4199.9 | 4467.5 | 4834.4 | 4744.3 | 3861.8 | 3416.8 | 2907.7 |
| 75°   | 1199.3 | 840.7  | 868.6  | 2192.4 | 2346.6 | 2159.0 | 2209.1 | 1918.3 | 1496.6 | 1326.6 | 1307.1 |
| 77.5° | 1009.8 | 1054.4 | 787.8  | 942.0  | 867.7  | 625.2  | 468.2  | 366.9  | 287.1  | 308.4  | 342.8  |
| 80°   | 587.1  | 1185.4 | 1042.3 | 490.5  | 550.0  | 437.5  | 195.1  | 161.6  | 133.8  | 135.6  | 137.5  |
| 82.5° | 181.2  | 740.4  | 1466.9 | 599.2  | 544.4  | 616.8  | 179.3  | 109.6  | 88.3   | 99.4   | 112.4  |
| 85°   | 60.4   | 310.3  | 1176.1 | 628.9  | 352.1  | 328.9  | 79.0   | 53.9   | 44.6   | 62.2   | 88.3   |
| 87.5° | 14.9   | 75.2   | 218.3  | 82.7   | 52.0   | 31.6   | 26.9   | 19.5   | 21.4   | 39.0   | 54.8   |
| 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):**

|       | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  | 760.8  |
| 2.5°  | 753.4  | 750.6  | 747.8  | 746.0  | 743.2  | 743.2  | 740.4  | 740.4  | 736.7  | 734.8  | 734.8  |
| 5°    | 759.0  | 753.4  | 748.8  | 744.1  | 739.5  | 737.6  | 733.9  | 732.0  | 728.3  | 725.5  | 723.7  |
| 7.5°  | 777.6  | 770.1  | 764.6  | 759.0  | 753.4  | 750.6  | 746.9  | 743.2  | 742.3  | 740.4  | 738.5  |
| 10°   | 809.1  | 798.9  | 794.3  | 790.6  | 783.1  | 781.3  | 777.6  | 774.8  | 772.0  | 769.2  | 770.1  |
| 12.5° | 850.0  | 842.6  | 840.7  | 833.3  | 831.4  | 828.7  | 823.1  | 821.2  | 813.8  | 808.2  | 805.4  |
| 15°   | 902.0  | 899.3  | 899.3  | 895.5  | 890.0  | 885.3  | 877.0  | 872.3  | 859.3  | 850.9  | 841.7  |
| 17.5° | 970.8  | 968.0  | 968.9  | 965.2  | 958.7  | 950.3  | 941.1  | 927.1  | 907.6  | 892.8  | 874.2  |
| 20°   | 1050.7 | 1049.7 | 1051.6 | 1048.8 | 1040.5 | 1029.3 | 1007.0 | 986.6  | 959.6  | 932.7  | 912.3  |
| 22.5° | 1139.9 | 1144.5 | 1146.4 | 1138.9 | 1129.6 | 1106.4 | 1082.3 | 1052.5 | 1016.3 | 981.0  | 952.2  |
| 25°   | 1234.6 | 1245.8 | 1252.3 | 1242.0 | 1230.9 | 1201.2 | 1164.9 | 1125.0 | 1073.9 | 1031.2 | 993.1  |
| 27.5° | 1327.5 | 1350.7 | 1360.0 | 1354.5 | 1336.8 | 1295.0 | 1246.7 | 1193.7 | 1131.5 | 1074.8 | 1025.6 |
| 30°   | 1438.1 | 1468.7 | 1485.4 | 1477.1 | 1442.7 | 1387.9 | 1329.4 | 1257.8 | 1178.9 | 1111.1 | 1051.6 |
| 32.5° | 1554.2 | 1592.3 | 1604.3 | 1586.7 | 1536.5 | 1467.8 | 1391.6 | 1304.3 | 1215.1 | 1137.1 | 1070.2 |
| 35°   | 1683.3 | 1718.6 | 1721.4 | 1687.0 | 1621.1 | 1533.7 | 1439.0 | 1334.0 | 1231.8 | 1144.5 | 1071.1 |
| 37.5° | 1795.7 | 1831.0 | 1828.2 | 1777.1 | 1697.2 | 1588.6 | 1467.8 | 1340.5 | 1221.6 | 1122.2 | 1042.3 |
| 40°   | 1913.7 | 1952.7 | 1931.4 | 1865.4 | 1762.3 | 1623.9 | 1471.5 | 1318.2 | 1182.6 | 1073.9 | 986.6  |
| 42.5° | 2038.2 | 2054.9 | 2016.8 | 1934.1 | 1801.3 | 1622.9 | 1439.9 | 1265.3 | 1121.3 | 1000.5 | 908.5  |
| 45°   | 2152.4 | 2139.4 | 2084.6 | 1974.1 | 1798.5 | 1583.0 | 1377.7 | 1199.3 | 1039.5 | 918.8  | 828.7  |
| 47.5° | 2254.6 | 2213.8 | 2129.2 | 1974.1 | 1754.8 | 1512.4 | 1297.8 | 1113.8 | 955.0  | 833.3  | 744.1  |
| 50°   | 2365.2 | 2279.7 | 2147.8 | 1939.7 | 1675.9 | 1426.9 | 1213.2 | 1028.4 | 864.9  | 740.4  | 642.9  |
| 52.5° | 2512.0 | 2358.7 | 2147.8 | 1877.5 | 1594.1 | 1340.5 | 1124.1 | 929.0  | 759.9  | 629.8  | 533.2  |
| 55°   | 2855.7 | 2524.0 | 2185.0 | 1843.1 | 1521.7 | 1249.5 | 1018.2 | 800.8  | 636.4  | 511.9  | 432.0  |
| 57.5° | 3531.1 | 2886.3 | 2371.7 | 1906.3 | 1494.7 | 1151.0 | 881.6  | 658.6  | 502.6  | 398.5  | 331.6  |
| 60°   | 4093.1 | 3179.0 | 2523.1 | 1954.6 | 1451.1 | 1023.7 | 714.4  | 504.4  | 373.5  | 294.5  | 250.8  |
| 62.5° | 4238.0 | 3182.7 | 2460.9 | 1829.2 | 1274.6 | 833.3  | 526.7  | 347.4  | 256.4  | 213.7  | 190.4  |
| 65°   | 3875.7 | 2814.8 | 2093.0 | 1491.9 | 970.8  | 578.8  | 329.8  | 210.9  | 170.9  | 156.1  | 146.8  |
| 67.5° | 3257.9 | 2242.6 | 1551.4 | 1040.5 | 612.2  | 318.6  | 184.9  | 144.9  | 130.1  | 125.4  | 120.8  |
| 70°   | 2499.0 | 1575.6 | 1009.8 | 609.4  | 320.5  | 165.4  | 131.9  | 118.9  | 112.4  | 109.6  | 105.9  |
| 72.5° | 1540.3 | 930.8  | 549.0  | 292.6  | 159.8  | 126.3  | 118.0  | 113.3  | 105.0  | 101.3  | 97.5   |
| 75°   | 654.0  | 399.5  | 227.6  | 148.6  | 128.2  | 120.8  | 114.3  | 108.7  | 102.2  | 96.6   | 92.9   |
| 77.5° | 220.2  | 152.4  | 134.7  | 130.1  | 128.2  | 120.8  | 112.4  | 105.0  | 98.5   | 92.0   | 88.3   |
| 80°   | 133.8  | 121.7  | 124.5  | 123.6  | 128.2  | 119.8  | 108.7  | 100.3  | 92.9   | 86.4   | 81.8   |
| 82.5° | 116.1  | 115.2  | 118.0  | 120.8  | 127.3  | 115.2  | 102.2  | 90.1   | 80.8   | 74.3   | 69.7   |
| 85°   | 100.3  | 102.2  | 104.0  | 105.9  | 109.6  | 97.5   | 82.7   | 71.5   | 64.1   | 55.7   | 52.0   |
| 87.5° | 66.9   | 72.5   | 76.2   | 77.1   | 74.3   | 46.4   | 26.9   | 31.6   | 32.5   | 27.9   | 25.1   |
| 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):**

|       | 160°   | 165°  | 170°  | 175°  | 180°  |
|-------|--------|-------|-------|-------|-------|
| 0°    | 760.8  | 760.8 | 760.8 | 760.8 | 760.8 |
| 2.5°  | 732.0  | 731.1 | 733.9 | 731.1 | 731.1 |
| 5°    | 722.7  | 721.8 | 721.8 | 721.8 | 720.0 |
| 7.5°  | 737.6  | 736.7 | 735.8 | 735.8 | 734.8 |
| 10°   | 766.4  | 765.5 | 765.5 | 764.6 | 764.6 |
| 12.5° | 800.8  | 797.1 | 796.1 | 794.3 | 795.2 |
| 15°   | 834.2  | 824.0 | 821.2 | 818.4 | 815.6 |
| 17.5° | 860.2  | 848.2 | 841.7 | 836.1 | 836.1 |
| 20°   | 892.8  | 877.0 | 868.6 | 860.2 | 860.2 |
| 22.5° | 929.9  | 908.5 | 897.4 | 888.1 | 884.4 |
| 25°   | 960.6  | 933.6 | 917.8 | 906.7 | 903.9 |
| 27.5° | 983.8  | 949.4 | 929.0 | 916.0 | 912.3 |
| 30°   | 1002.4 | 963.4 | 939.2 | 925.3 | 919.7 |
| 32.5° | 1014.4 | 971.7 | 945.7 | 931.8 | 926.2 |
| 35°   | 1007.9 | 962.4 | 930.8 | 914.1 | 910.4 |
| 37.5° | 975.4  | 927.1 | 890.0 | 872.3 | 865.8 |
| 40°   | 916.0  | 864.0 | 824.9 | 803.6 | 799.9 |
| 42.5° | 837.9  | 785.9 | 748.8 | 726.5 | 716.2 |
| 45°   | 754.3  | 700.5 | 665.2 | 644.7 | 632.6 |
| 47.5° | 664.2  | 611.3 | 575.0 | 554.6 | 546.2 |
| 50°   | 569.5  | 518.4 | 487.7 | 465.4 | 457.1 |
| 52.5° | 471.0  | 425.5 | 394.8 | 376.2 | 366.9 |
| 55°   | 377.2  | 340.0 | 314.0 | 301.9 | 295.4 |
| 57.5° | 294.5  | 270.3 | 255.5 | 248.0 | 243.4 |
| 60°   | 228.5  | 216.5 | 210.9 | 205.3 | 206.2 |
| 62.5° | 178.4  | 175.6 | 173.7 | 170.9 | 171.9 |
| 65°   | 144.0  | 142.1 | 143.1 | 142.1 | 143.1 |
| 67.5° | 118.0  | 118.9 | 120.8 | 120.8 | 121.7 |
| 70°   | 104.0  | 105.0 | 106.8 | 106.8 | 106.8 |
| 72.5° | 96.6   | 98.5  | 100.3 | 99.4  | 99.4  |
| 75°   | 91.0   | 95.7  | 99.4  | 95.7  | 92.0  |
| 77.5° | 85.5   | 96.6  | 106.8 | 98.5  | 88.3  |
| 80°   | 78.0   | 102.2 | 114.3 | 99.4  | 84.5  |
| 82.5° | 74.3   | 98.5  | 100.3 | 86.4  | 74.3  |
| 85°   | 68.7   | 111.5 | 116.1 | 79.0  | 56.7  |
| 87.5° | 35.3   | 66.9  | 77.1  | 53.0  | 28.8  |
| 90°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)