

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: P149193

Luminaire Tested: **AVS-F03-LED-E-U-RW-8030**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P149193  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVS-F03-LED-E-U-RW-8030  
Description: VISION SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6529.7 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Medium - Full Cutoff  
BUG Rating: B3 - U0 - G1

Input Watts (W): 78.3  
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

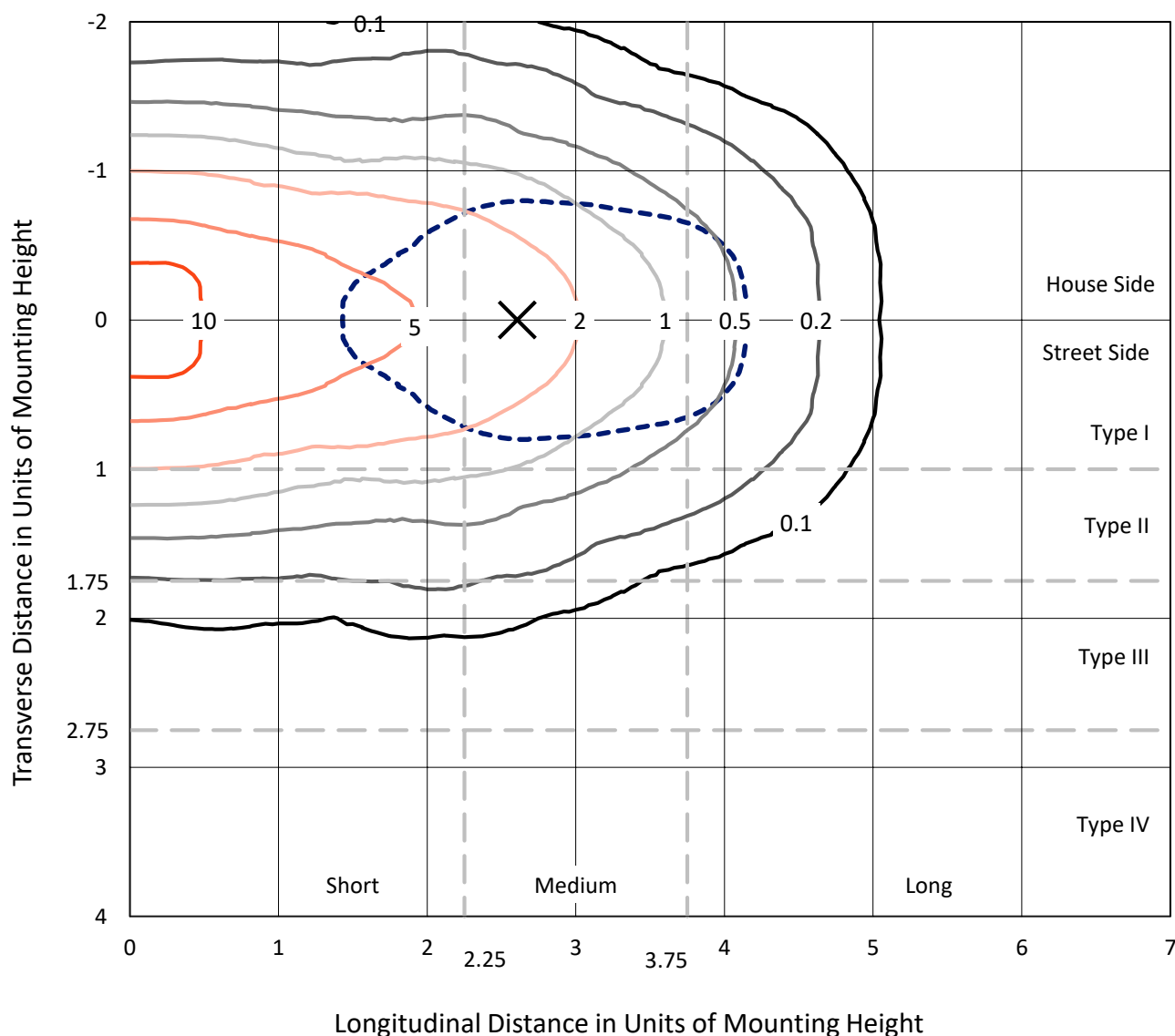


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

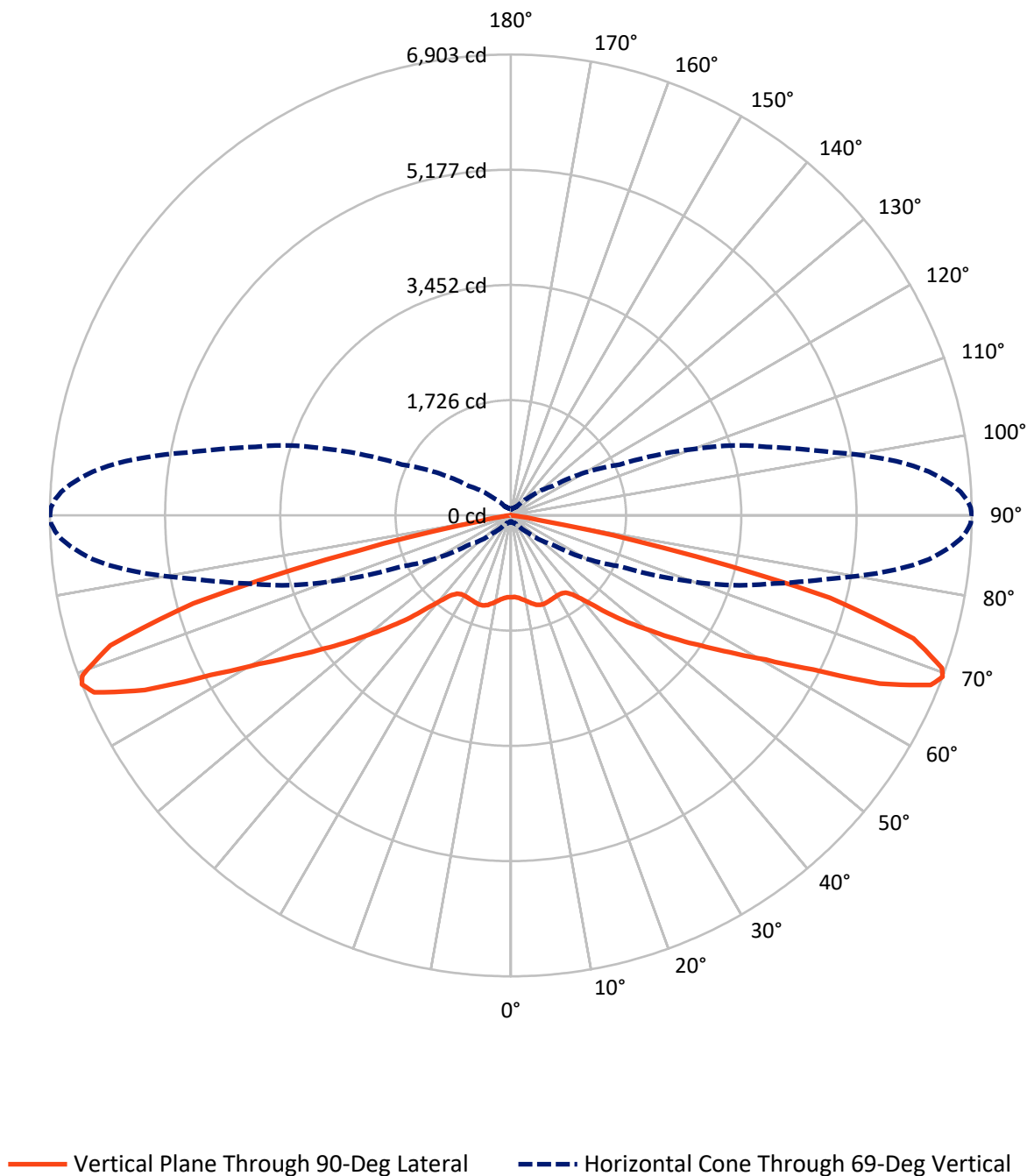


Based on 10 foot mounting height. Maximum calculated value = 12.5 fc  
Type V - Medium - Full Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3264.8   | 0.0    | 3264.8 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3264.8   | 0.0    | 3264.8 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 6529.7   | 0.0    | 6529.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 120.0  | 1.8       |
| 10°-20°   | 378.6  | 5.8       |
| 20°-30°   | 613.3  | 9.4       |
| 30°-40°   | 764.4  | 11.7      |
| 40°-50°   | 955.2  | 14.6      |
| 50°-60°   | 1179.4 | 18.1      |
| 60°-70°   | 1465.5 | 22.4      |
| 70°-80°   | 972.9  | 14.9      |
| 80°-90°   | 80.3   | 1.2       |
| 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°    | 6529.7 | 100.0     |
| 0°-180°   | 6529.7 | 100.0     |

**Coefficient of Utilization**



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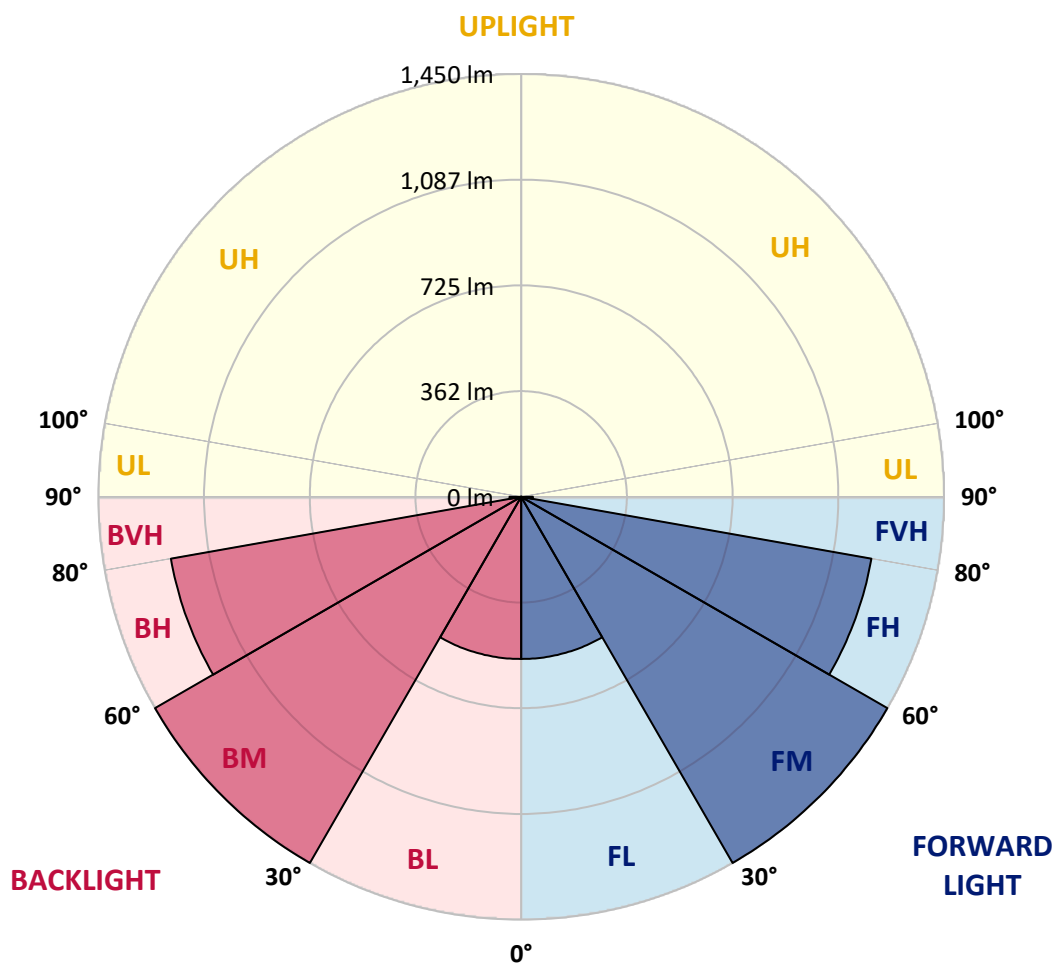
CATALOG NUMBER: AVS-F03-LED-E-U-RW-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 556.0  | 8.5       |                         |      |         |
| FM   | (30°-60°)   | 1449.5 | 22.2      |                         |      |         |
| FH   | (60°-80°)   | 1219.2 | 18.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 40.2   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 556.0  | 8.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1449.5 | 22.2      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1219.2 | 18.7      | B3/2500                 |      | G1/1800 |
| BVH  | (80°-90°)   | 40.2   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G1**

Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 67°    | 68°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 |
| 2.5°  | 1229.0 | 1230.1 | 1229.4 | 1230.8 | 1230.5 | 1230.4 | 1229.8 | 1228.4 | 1228.2 | 1228.0 | 1227.8 |
| 5°    | 1240.9 | 1239.4 | 1241.6 | 1243.7 | 1243.0 | 1243.3 | 1243.0 | 1243.0 | 1242.9 | 1242.7 | 1242.6 |
| 7.5°  | 1253.4 | 1253.1 | 1254.4 | 1260.0 | 1260.7 | 1262.8 | 1265.2 | 1267.0 | 1267.1 | 1267.1 | 1267.2 |
| 10°   | 1264.2 | 1264.6 | 1268.1 | 1276.0 | 1280.2 | 1286.9 | 1293.4 | 1298.7 | 1299.1 | 1299.5 | 1299.9 |
| 12.5° | 1272.9 | 1273.3 | 1278.6 | 1291.0 | 1301.1 | 1313.6 | 1328.0 | 1336.0 | 1336.7 | 1337.4 | 1338.1 |
| 15°   | 1273.6 | 1274.6 | 1283.8 | 1304.3 | 1324.5 | 1345.0 | 1362.1 | 1372.9 | 1373.5 | 1374.0 | 1374.6 |
| 17.5° | 1264.6 | 1265.3 | 1280.6 | 1310.8 | 1344.8 | 1376.8 | 1394.5 | 1399.4 | 1399.6 | 1399.8 | 1400.0 |
| 20°   | 1240.9 | 1242.6 | 1264.2 | 1309.2 | 1360.7 | 1402.6 | 1421.0 | 1414.4 | 1413.7 | 1413.1 | 1412.4 |
| 22.5° | 1202.6 | 1202.2 | 1230.4 | 1291.1 | 1363.9 | 1422.7 | 1439.1 | 1421.6 | 1419.6 | 1417.6 | 1415.5 |
| 25°   | 1140.5 | 1144.8 | 1177.9 | 1250.3 | 1346.2 | 1427.2 | 1452.0 | 1425.5 | 1422.5 | 1419.6 | 1416.6 |
| 27.5° | 1073.4 | 1075.8 | 1110.9 | 1188.6 | 1304.6 | 1411.6 | 1458.3 | 1433.2 | 1429.8 | 1426.6 | 1423.2 |
| 30°   | 995.0  | 998.0  | 1035.7 | 1116.8 | 1238.1 | 1371.2 | 1456.5 | 1450.6 | 1446.7 | 1442.9 | 1439.0 |
| 32.5° | 918.4  | 921.8  | 955.6  | 1044.4 | 1168.0 | 1315.8 | 1446.0 | 1475.4 | 1471.4 | 1467.4 | 1463.4 |
| 35°   | 838.8  | 844.1  | 885.2  | 975.1  | 1100.5 | 1254.2 | 1430.1 | 1507.0 | 1504.9 | 1502.7 | 1500.5 |
| 37.5° | 773.0  | 774.0  | 813.8  | 908.2  | 1037.8 | 1195.2 | 1408.8 | 1547.1 | 1548.7 | 1550.3 | 1551.9 |
| 40°   | 699.6  | 706.1  | 745.8  | 845.5  | 981.0  | 1145.4 | 1388.6 | 1601.4 | 1609.8 | 1618.1 | 1626.4 |
| 42.5° | 633.6  | 634.4  | 674.8  | 777.6  | 919.4  | 1105.4 | 1377.4 | 1667.0 | 1684.8 | 1702.6 | 1720.4 |
| 45°   | 564.4  | 567.2  | 603.7  | 703.0  | 848.2  | 1058.0 | 1377.1 | 1742.6 | 1771.0 | 1799.4 | 1827.8 |
| 47.5° | 498.9  | 500.0  | 538.6  | 630.8  | 766.8  | 991.8  | 1374.6 | 1823.8 | 1862.4 | 1901.1 | 1939.8 |
| 50°   | 436.2  | 435.2  | 473.0  | 561.9  | 686.3  | 905.0  | 1353.4 | 1915.7 | 1964.6 | 2013.4 | 2062.3 |
| 52.5° | 364.5  | 369.3  | 408.6  | 493.6  | 613.2  | 817.0  | 1291.4 | 2016.4 | 2074.8 | 2133.2 | 2191.7 |
| 55°   | 294.0  | 296.0  | 338.3  | 417.6  | 538.9  | 734.7  | 1183.4 | 2109.0 | 2177.9 | 2246.8 | 2315.7 |
| 57.5° | 216.6  | 223.0  | 259.9  | 338.2  | 463.6  | 665.4  | 1046.2 | 2157.1 | 2241.0 | 2324.8 | 2408.6 |
| 60°   | 153.0  | 157.8  | 190.6  | 256.5  | 381.2  | 592.5  | 928.0  | 2130.2 | 2239.2 | 2348.2 | 2457.2 |
| 62.5° | 119.1  | 123.0  | 149.0  | 192.0  | 297.2  | 519.8  | 843.4  | 2043.6 | 2191.8 | 2340.1 | 2488.3 |
| 65°   | 104.6  | 108.0  | 131.6  | 153.6  | 221.8  | 445.6  | 797.0  | 1951.9 | 2147.9 | 2343.9 | 2539.9 |
| 67.5° | 94.4   | 98.6   | 119.2  | 134.5  | 180.8  | 388.8  | 784.9  | 1894.0 | 2116.0 | 2338.0 | 2560.0 |
| 69°   | 89.9   | 94.1   | 112.4  | 125.4  | 167.8  | 368.6  | 764.0  | 1803.2 | 2023.8 | 2244.5 | 2465.2 |
| 70°   | 87.1   | 90.6   | 107.6  | 120.8  | 163.7  | 354.7  | 729.2  | 1689.6 | 1906.3 | 2123.0 | 2339.8 |
| 72.5° | 80.8   | 82.6   | 97.5   | 110.4  | 151.9  | 286.6  | 560.8  | 1254.8 | 1442.7 | 1630.6 | 1818.5 |
| 75°   | 71.4   | 73.5   | 87.5   | 100.0  | 118.4  | 178.0  | 355.0  | 776.2  | 916.4  | 1056.7 | 1196.9 |
| 77.5° | 61.6   | 63.4   | 75.6   | 95.4   | 92.0   | 111.1  | 212.2  | 432.0  | 513.3  | 594.7  | 676.0  |
| 80°   | 49.5   | 51.6   | 62.4   | 94.7   | 76.0   | 86.4   | 152.6  | 302.0  | 324.0  | 345.9  | 367.9  |
| 82.5° | 36.3   | 38.0   | 48.8   | 76.6   | 58.2   | 65.1   | 116.3  | 256.0  | 263.7  | 271.3  | 278.9  |
| 85°   | 18.5   | 18.8   | 31.0   | 46.6   | 36.9   | 33.8   | 65.5   | 175.2  | 180.1  | 185.0  | 189.9  |
| 87.5° | 3.2    | 3.2    | 7.0    | 8.0    | 9.0    | 5.6    | 8.4    | 30.0   | 30.9   | 31.8   | 32.8   |
| 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):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 |
| 2.5°  | 1227.6 | 1227.4 | 1226.9 | 1227.0 | 1227.4 | 1227.2 | 1227.6 | 1227.7 | 1228.1 | 1226.8 | 1226.5 |
| 5°    | 1242.4 | 1242.3 | 1242.3 | 1242.2 | 1242.4 | 1242.4 | 1242.6 | 1243.2 | 1243.0 | 1242.2 | 1242.0 |
| 7.5°  | 1267.3 | 1267.4 | 1267.7 | 1267.4 | 1268.0 | 1267.7 | 1267.0 | 1268.1 | 1268.9 | 1269.0 | 1269.7 |
| 10°   | 1300.2 | 1300.6 | 1301.8 | 1301.7 | 1302.9 | 1302.7 | 1302.9 | 1304.1 | 1304.9 | 1305.1 | 1305.9 |
| 12.5° | 1338.8 | 1339.4 | 1340.1 | 1340.7 | 1342.1 | 1341.3 | 1342.9 | 1343.6 | 1344.7 | 1346.8 | 1345.7 |
| 15°   | 1375.1 | 1375.7 | 1377.6 | 1377.7 | 1378.9 | 1379.4 | 1381.0 | 1381.6 | 1381.8 | 1383.5 | 1383.8 |
| 17.5° | 1400.2 | 1400.4 | 1401.1 | 1400.8 | 1401.8 | 1401.5 | 1402.5 | 1403.1 | 1404.0 | 1404.9 | 1406.5 |
| 20°   | 1411.7 | 1411.1 | 1410.7 | 1410.3 | 1409.6 | 1408.5 | 1408.8 | 1409.3 | 1409.5 | 1410.3 | 1411.5 |
| 22.5° | 1413.5 | 1411.4 | 1409.3 | 1407.9 | 1405.8 | 1404.0 | 1402.2 | 1402.3 | 1402.5 | 1402.2 | 1403.1 |
| 25°   | 1413.7 | 1410.7 | 1407.4 | 1403.4 | 1400.4 | 1396.5 | 1393.1 | 1392.8 | 1391.9 | 1391.9 | 1392.4 |
| 27.5° | 1419.9 | 1416.6 | 1412.0 | 1407.4 | 1401.0 | 1395.6 | 1390.3 | 1388.4 | 1386.6 | 1385.4 | 1384.9 |
| 30°   | 1435.1 | 1431.2 | 1425.7 | 1419.8 | 1412.9 | 1404.6 | 1397.0 | 1394.6 | 1391.9 | 1389.5 | 1387.5 |
| 32.5° | 1459.5 | 1455.5 | 1449.4 | 1443.2 | 1434.0 | 1425.7 | 1418.2 | 1414.4 | 1410.5 | 1406.4 | 1402.5 |
| 35°   | 1498.3 | 1496.1 | 1490.6 | 1485.3 | 1478.5 | 1472.0 | 1465.2 | 1460.9 | 1454.5 | 1451.2 | 1446.6 |
| 37.5° | 1553.5 | 1555.1 | 1555.1 | 1555.9 | 1553.8 | 1550.6 | 1545.8 | 1541.2 | 1539.1 | 1530.4 | 1524.8 |
| 40°   | 1634.8 | 1643.1 | 1650.7 | 1656.6 | 1661.8 | 1667.0 | 1671.4 | 1668.8 | 1669.7 | 1667.4 | 1664.0 |
| 42.5° | 1738.2 | 1756.0 | 1772.2 | 1788.5 | 1800.3 | 1818.6 | 1831.4 | 1835.4 | 1845.7 | 1849.8 | 1857.3 |
| 45°   | 1856.2 | 1884.6 | 1912.0 | 1937.2 | 1960.7 | 1986.9 | 2012.5 | 2031.5 | 2052.3 | 2075.8 | 2099.4 |
| 47.5° | 1978.5 | 2017.2 | 2057.5 | 2090.3 | 2124.3 | 2163.2 | 2197.2 | 2225.8 | 2263.1 | 2297.7 | 2335.8 |
| 50°   | 2111.2 | 2160.0 | 2205.9 | 2246.5 | 2290.1 | 2334.9 | 2381.4 | 2423.5 | 2474.0 | 2529.3 | 2589.2 |
| 52.5° | 2250.1 | 2308.6 | 2361.7 | 2412.5 | 2463.8 | 2515.1 | 2564.7 | 2624.1 | 2686.3 | 2759.3 | 2834.1 |
| 55°   | 2384.7 | 2453.6 | 2513.7 | 2570.4 | 2629.1 | 2686.4 | 2737.6 | 2817.0 | 2893.4 | 2980.5 | 3078.1 |
| 57.5° | 2492.5 | 2576.4 | 2645.7 | 2713.0 | 2779.2 | 2840.2 | 2903.0 | 2992.6 | 3090.0 | 3191.8 | 3315.6 |
| 60°   | 2566.1 | 2675.1 | 2763.6 | 2844.5 | 2925.8 | 3002.5 | 3074.7 | 3191.9 | 3307.7 | 3434.3 | 3588.4 |
| 62.5° | 2636.6 | 2784.9 | 2900.4 | 3010.6 | 3120.2 | 3218.7 | 3308.4 | 3455.8 | 3607.2 | 3763.6 | 3947.0 |
| 65°   | 2735.8 | 2931.8 | 3102.0 | 3255.8 | 3407.4 | 3552.1 | 3686.4 | 3873.3 | 4064.2 | 4270.2 | 4489.0 |
| 67.5° | 2782.0 | 3004.0 | 3225.5 | 3432.8 | 3625.4 | 3808.7 | 3981.2 | 4206.9 | 4431.7 | 4670.4 | 4934.9 |
| 69°   | 2685.9 | 2906.6 | 3143.5 | 3369.9 | 3582.7 | 3777.1 | 3963.8 | 4194.3 | 4428.0 | 4671.7 | 4938.6 |
| 70°   | 2556.5 | 2773.2 | 3012.3 | 3248.9 | 3452.5 | 3655.0 | 3848.4 | 4077.2 | 4313.9 | 4558.3 | 4837.6 |
| 72.5° | 2006.3 | 2194.2 | 2427.4 | 2657.0 | 2861.3 | 3064.5 | 3252.4 | 3486.4 | 3724.7 | 3981.5 | 4245.9 |
| 75°   | 1337.2 | 1477.4 | 1651.1 | 1864.2 | 2051.5 | 2231.0 | 2413.1 | 2611.1 | 2843.6 | 3055.2 | 3297.2 |
| 77.5° | 757.4  | 838.7  | 939.6  | 1078.2 | 1212.5 | 1320.1 | 1449.9 | 1543.1 | 1678.0 | 1794.5 | 1917.6 |
| 80°   | 389.8  | 411.8  | 441.9  | 475.1  | 494.0  | 491.1  | 510.4  | 491.3  | 495.6  | 480.0  | 463.2  |
| 82.5° | 286.6  | 294.2  | 307.8  | 314.5  | 313.8  | 291.9  | 268.6  | 236.3  | 207.7  | 177.9  | 150.4  |
| 85°   | 194.7  | 199.6  | 203.0  | 208.2  | 206.7  | 197.3  | 176.2  | 148.2  | 120.8  | 96.9   | 77.5   |
| 87.5° | 33.7   | 34.6   | 34.4   | 37.3   | 37.4   | 34.7   | 28.6   | 24.4   | 20.5   | 15.3   | 10.8   |
| 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):**

|       | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 | 1223.4 |
| 2.5°  | 1226.3 | 1226.2 | 1227.0 | 1226.2 | 1226.2 | 1226.2 | 1225.9 | 1226.6 | 1226.2 | 1225.2 | 1224.1 |
| 5°    | 1242.2 | 1241.2 | 1240.8 | 1241.6 | 1242.2 | 1240.9 | 1241.9 | 1243.0 | 1241.2 | 1241.6 | 1240.9 |
| 7.5°  | 1269.1 | 1268.8 | 1268.4 | 1269.1 | 1269.0 | 1268.8 | 1269.2 | 1268.0 | 1267.4 | 1268.4 | 1269.4 |
| 10°   | 1305.0 | 1304.7 | 1305.3 | 1305.4 | 1306.7 | 1306.0 | 1305.7 | 1306.8 | 1306.0 | 1305.4 | 1305.7 |
| 12.5° | 1347.2 | 1346.1 | 1347.8 | 1347.8 | 1348.9 | 1348.8 | 1348.5 | 1348.9 | 1348.5 | 1347.4 | 1346.8 |
| 15°   | 1384.8 | 1383.4 | 1383.7 | 1386.5 | 1386.2 | 1386.8 | 1386.9 | 1386.2 | 1385.8 | 1385.4 | 1385.8 |
| 17.5° | 1407.4 | 1406.8 | 1406.7 | 1408.1 | 1409.2 | 1408.8 | 1408.8 | 1408.8 | 1408.4 | 1408.8 | 1409.5 |
| 20°   | 1411.6 | 1411.6 | 1411.9 | 1413.3 | 1415.1 | 1414.0 | 1414.1 | 1414.8 | 1414.0 | 1414.8 | 1415.0 |
| 22.5° | 1403.6 | 1404.3 | 1405.0 | 1406.8 | 1407.1 | 1407.1 | 1407.1 | 1407.4 | 1408.1 | 1408.1 | 1408.8 |
| 25°   | 1392.4 | 1393.1 | 1394.2 | 1395.6 | 1397.0 | 1397.0 | 1397.0 | 1397.6 | 1397.6 | 1398.0 | 1398.3 |
| 27.5° | 1384.1 | 1384.8 | 1385.8 | 1387.2 | 1389.0 | 1388.9 | 1389.0 | 1389.6 | 1389.6 | 1389.9 | 1390.7 |
| 30°   | 1385.2 | 1383.8 | 1384.8 | 1385.5 | 1386.6 | 1386.6 | 1386.2 | 1386.6 | 1386.9 | 1386.9 | 1387.2 |
| 32.5° | 1400.1 | 1397.0 | 1396.0 | 1395.6 | 1395.9 | 1394.8 | 1394.6 | 1393.8 | 1393.1 | 1393.1 | 1392.7 |
| 35°   | 1439.8 | 1434.9 | 1434.6 | 1431.8 | 1429.0 | 1426.2 | 1426.6 | 1424.4 | 1425.1 | 1423.5 | 1422.1 |
| 37.5° | 1521.4 | 1515.8 | 1519.2 | 1513.2 | 1509.4 | 1506.7 | 1503.6 | 1499.4 | 1497.0 | 1500.1 | 1500.1 |
| 40°   | 1667.3 | 1663.5 | 1662.4 | 1663.5 | 1660.0 | 1661.7 | 1654.0 | 1652.0 | 1647.4 | 1650.6 | 1654.7 |
| 42.5° | 1869.0 | 1866.6 | 1879.8 | 1882.2 | 1883.6 | 1885.7 | 1887.2 | 1875.6 | 1875.3 | 1872.8 | 1865.9 |
| 45°   | 2118.0 | 2132.7 | 2132.0 | 2148.0 | 2148.7 | 2143.8 | 2146.0 | 2140.7 | 2138.6 | 2131.0 | 2140.4 |
| 47.5° | 2374.1 | 2402.0 | 2412.4 | 2416.0 | 2429.2 | 2432.3 | 2419.8 | 2415.6 | 2422.9 | 2410.4 | 2412.1 |
| 50°   | 2649.0 | 2679.0 | 2703.4 | 2719.8 | 2729.1 | 2729.8 | 2720.4 | 2718.4 | 2725.0 | 2701.2 | 2712.4 |
| 52.5° | 2919.4 | 2964.6 | 3010.6 | 3035.0 | 3052.4 | 3053.8 | 3061.0 | 3052.4 | 3055.9 | 3050.3 | 3061.5 |
| 55°   | 3185.9 | 3264.2 | 3318.2 | 3366.0 | 3396.2 | 3422.3 | 3424.8 | 3434.2 | 3434.8 | 3446.4 | 3434.9 |
| 57.5° | 3446.4 | 3531.8 | 3625.8 | 3710.5 | 3757.5 | 3787.1 | 3815.0 | 3853.0 | 3861.3 | 3856.8 | 3864.1 |
| 60°   | 3754.0 | 3886.0 | 4013.8 | 4111.4 | 4192.6 | 4270.3 | 4312.1 | 4371.6 | 4381.1 | 4406.8 | 4384.6 |
| 62.5° | 4142.8 | 4334.4 | 4507.9 | 4639.2 | 4762.6 | 4883.4 | 4974.6 | 5020.6 | 5048.5 | 5102.5 | 5084.8 |
| 65°   | 4739.2 | 4969.1 | 5198.7 | 5386.8 | 5559.6 | 5703.5 | 5842.2 | 5908.4 | 5981.5 | 6058.1 | 6072.0 |
| 67.5° | 5230.4 | 5515.0 | 5773.8 | 6003.0 | 6212.5 | 6372.3 | 6516.6 | 6631.2 | 6720.4 | 6776.8 | 6781.3 |
| 69°   | 5252.7 | 5548.5 | 5829.6 | 6075.5 | 6294.0 | 6464.0 | 6615.8 | 6743.4 | 6830.1 | 6888.0 | 6903.2 |
| 70°   | 5146.0 | 5448.9 | 5748.4 | 5996.8 | 6220.4 | 6394.2 | 6555.2 | 6676.8 | 6773.7 | 6832.5 | 6853.1 |
| 72.5° | 4546.6 | 4869.8 | 5190.0 | 5407.7 | 5636.3 | 5843.2 | 5972.0 | 6096.0 | 6232.7 | 6250.4 | 6306.8 |
| 75°   | 3584.0 | 3855.8 | 4104.2 | 4270.6 | 4461.6 | 4647.2 | 4773.7 | 4806.5 | 4877.9 | 4967.7 | 4935.6 |
| 77.5° | 2077.0 | 2160.6 | 2320.8 | 2361.9 | 2327.1 | 2408.0 | 2434.7 | 2377.6 | 2374.8 | 2427.4 | 2322.9 |
| 80°   | 460.2  | 434.0  | 466.8  | 442.4  | 443.2  | 443.8  | 436.6  | 433.8  | 439.0  | 433.7  | 426.4  |
| 82.5° | 127.4  | 123.4  | 124.0  | 122.6  | 125.0  | 123.3  | 122.2  | 125.1  | 124.7  | 124.4  | 126.8  |
| 85°   | 61.4   | 60.6   | 59.6   | 59.2   | 57.8   | 56.0   | 53.3   | 53.2   | 54.7   | 52.6   | 53.7   |
| 87.5° | 8.0    | 7.6    | 7.6    | 9.0    | 8.0    | 6.6    | 6.6    | 6.6    | 6.2    | 6.2    | 6.3    |
| 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)