

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: P165490

Luminaire Tested: **VST-F05-LED-E-U-SL4-HSS-8030**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P165490  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VST-F05-LED-E-U-SL4-HSS-8030  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (35) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7003.9 lumens  
Efficiency: N/A  
Efficacy: 52.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 133.3  
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

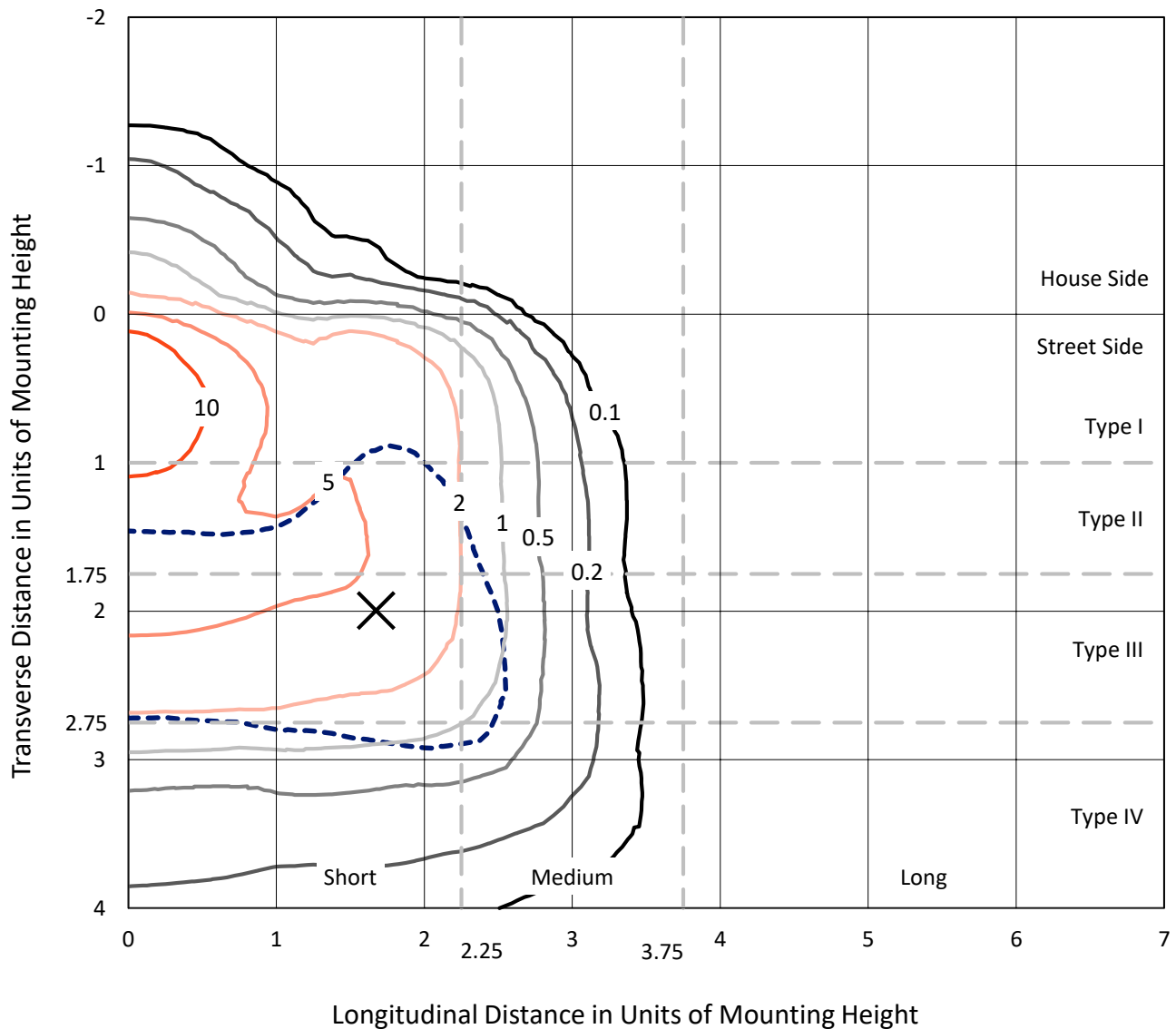


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

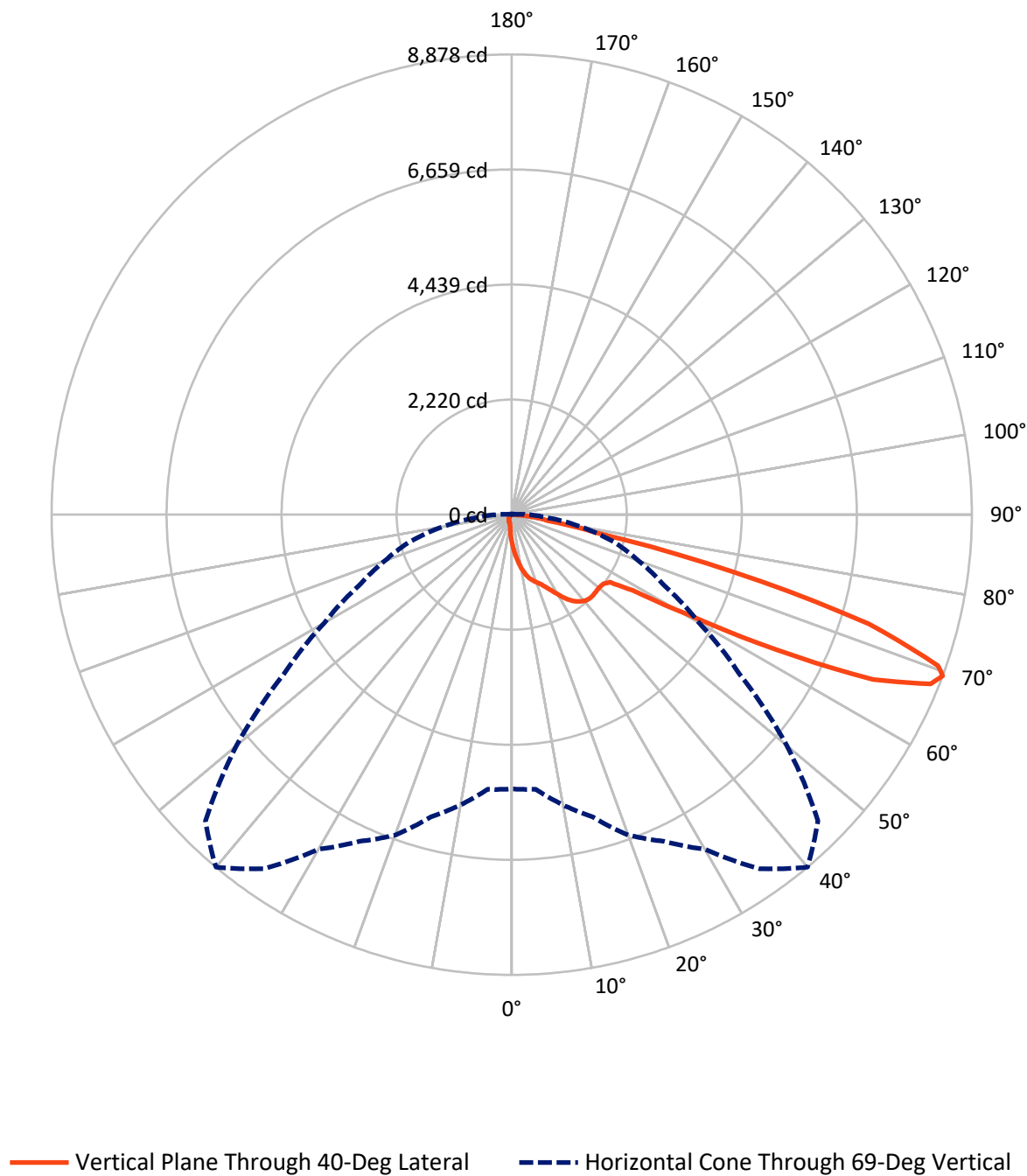


Based on 10 foot mounting height. Maximum calculated value = 15.7 fc  
Type IV - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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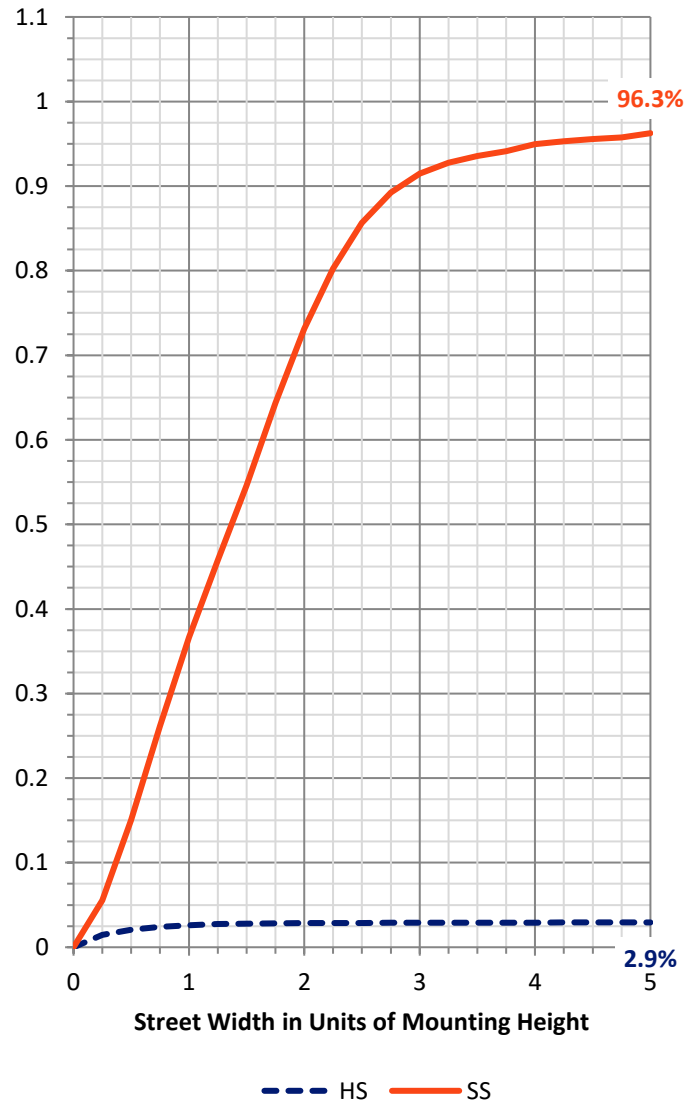
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 208.6    | 0.0    | 208.6  |
|                    | % Fixture | 3.0      | 0.0    | 3.0    |
| <b>Street Side</b> | Lumens    | 6795.3   | 0.0    | 6795.3 |
|                    | % Fixture | 97.0     | 0.0    | 97.0   |
| <b>Total</b>       | Lumens    | 7003.9   | 0.0    | 7003.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.4   | 0.8       |
| 10°-20°   | 187.4  | 2.7       |
| 20°-30°   | 358.8  | 5.1       |
| 30°-40°   | 596.6  | 8.5       |
| 40°-50°   | 807.3  | 11.5      |
| 50°-60°   | 1262.5 | 18.0      |
| 60°-70°   | 2595.8 | 37.1      |
| 70°-80°   | 1044.5 | 14.9      |
| 80°-90°   | 96.6   | 1.4       |
| 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°    | 7003.9 | 100.0     |
| 0°-180°   | 7003.9 | 100.0     |

**Coefficient of Utilization**



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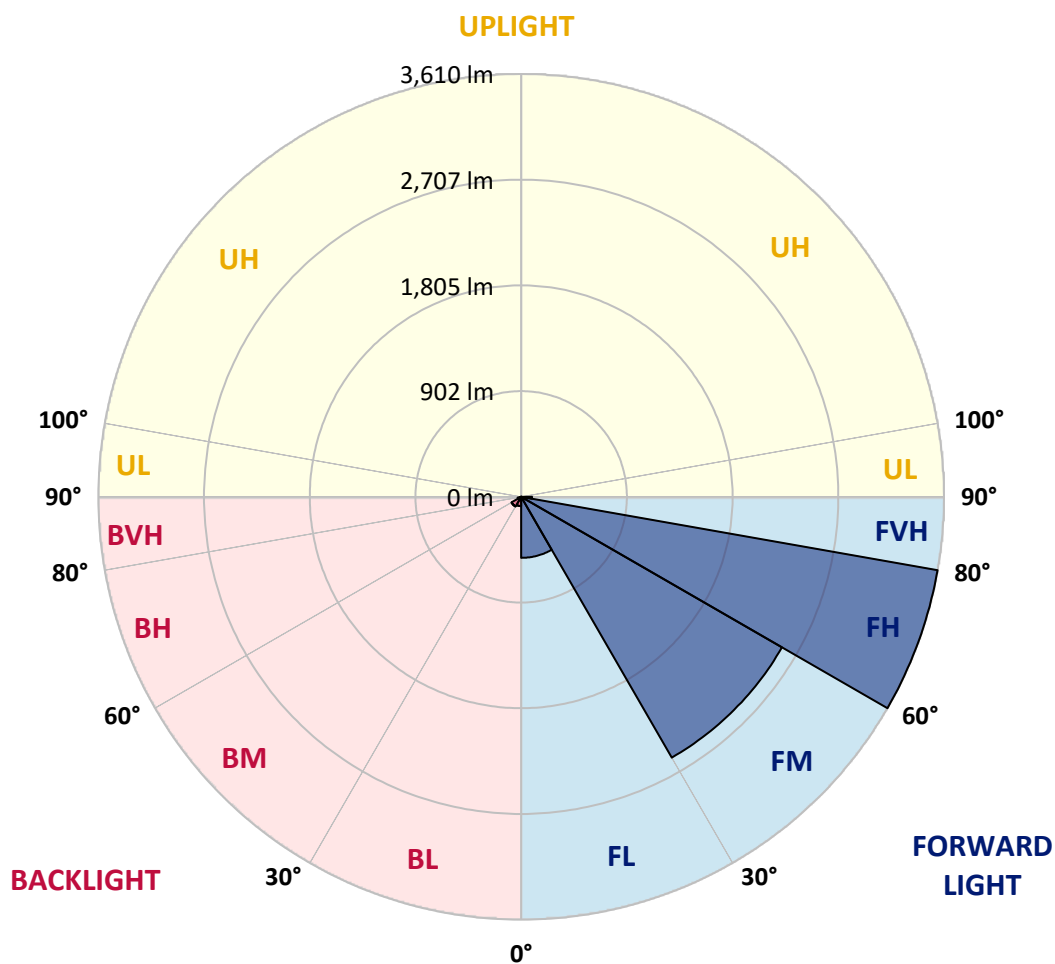
CATALOG NUMBER: VST-F05-LED-E-U-SL4-HSS-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 521.2  | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 2571.2 | 36.7      |                         |      |         |
| FH   | (60°-80°)   | 3609.8 | 51.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 93.0   | 1.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 79.3   | 1.1       | B0/110                  |      |         |
| BM   | (30°-60°)   | 95.2   | 1.4       | B0/220                  |      |         |
| BH   | (60°-80°)   | 30.4   | 0.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 3.6    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 529.0  | 529.0  | 529.0  | 529.0  | 529.0  | 529.0  | 529.0  | 529.0  | 529.0  | 529.0  | 529.0  |
| 2.5°  | 705.7  | 697.6  | 688.4  | 688.4  | 676.9  | 676.9  | 670.1  | 651.7  | 649.4  | 639.0  | 628.7  |
| 5°    | 900.7  | 893.8  | 882.3  | 872.0  | 862.8  | 846.7  | 835.2  | 813.4  | 789.4  | 766.4  | 745.8  |
| 7.5°  | 1091.2 | 1087.7 | 1067.1 | 1063.6 | 1048.7 | 1022.3 | 999.3  | 967.2  | 925.9  | 893.8  | 855.9  |
| 10°   | 1267.8 | 1259.8 | 1255.2 | 1235.7 | 1213.9 | 1185.2 | 1149.6 | 1110.7 | 1062.5 | 1011.9 | 958.0  |
| 12.5° | 1407.8 | 1403.2 | 1382.5 | 1374.5 | 1351.6 | 1322.9 | 1278.2 | 1227.6 | 1179.5 | 1114.1 | 1051.0 |
| 15°   | 1512.2 | 1504.2 | 1490.4 | 1477.8 | 1450.3 | 1425.0 | 1383.7 | 1328.6 | 1270.1 | 1199.0 | 1123.3 |
| 17.5° | 1599.4 | 1584.5 | 1581.0 | 1561.5 | 1532.9 | 1503.0 | 1457.2 | 1406.6 | 1337.8 | 1266.7 | 1184.0 |
| 20°   | 1716.4 | 1695.8 | 1688.9 | 1660.2 | 1626.9 | 1585.6 | 1532.9 | 1469.8 | 1397.4 | 1319.5 | 1234.5 |
| 22.5° | 1854.1 | 1839.2 | 1824.3 | 1799.0 | 1756.6 | 1698.1 | 1621.2 | 1552.4 | 1460.6 | 1374.5 | 1282.8 |
| 25°   | 2049.2 | 2036.6 | 2012.5 | 1978.0 | 1925.2 | 1855.3 | 1762.3 | 1661.4 | 1553.5 | 1443.4 | 1335.5 |
| 27.5° | 2238.5 | 2227.0 | 2209.8 | 2183.4 | 2123.7 | 2046.9 | 1932.1 | 1803.6 | 1667.1 | 1534.0 | 1414.7 |
| 30°   | 2416.3 | 2406.0 | 2388.8 | 2362.4 | 2309.6 | 2233.9 | 2104.2 | 1966.5 | 1796.7 | 1641.9 | 1498.5 |
| 32.5° | 2608.0 | 2604.5 | 2585.0 | 2547.1 | 2501.2 | 2399.1 | 2258.0 | 2110.0 | 1937.9 | 1758.9 | 1591.3 |
| 35°   | 2824.8 | 2798.4 | 2780.0 | 2742.1 | 2664.2 | 2555.1 | 2389.9 | 2228.2 | 2046.9 | 1863.3 | 1676.3 |
| 37.5° | 3008.4 | 2983.1 | 2960.2 | 2912.0 | 2816.8 | 2677.9 | 2490.9 | 2313.0 | 2126.0 | 1939.0 | 1748.5 |
| 40°   | 3142.6 | 3129.9 | 3102.4 | 3039.3 | 2932.6 | 2767.4 | 2565.4 | 2371.5 | 2183.4 | 1995.2 | 1807.1 |
| 42.5° | 3242.4 | 3222.9 | 3192.0 | 3126.5 | 3000.4 | 2812.2 | 2595.3 | 2395.7 | 2209.8 | 2029.7 | 1845.0 |
| 45°   | 3279.1 | 3263.1 | 3234.4 | 3163.2 | 3026.7 | 2824.8 | 2594.2 | 2388.8 | 2211.0 | 2040.0 | 1870.2 |
| 47.5° | 3257.3 | 3241.3 | 3216.0 | 3149.5 | 3015.3 | 2809.9 | 2573.5 | 2369.2 | 2199.5 | 2043.5 | 1893.1 |
| 50°   | 3185.1 | 3175.9 | 3156.4 | 3100.1 | 2979.7 | 2781.2 | 2555.1 | 2358.9 | 2197.2 | 2060.7 | 1925.2 |
| 52.5° | 3178.2 | 3172.4 | 3148.3 | 3092.1 | 2969.3 | 2772.0 | 2552.8 | 2364.7 | 2216.7 | 2082.5 | 1948.2 |
| 55°   | 3883.7 | 3802.3 | 3619.9 | 3465.0 | 3210.3 | 2907.4 | 2668.7 | 2457.6 | 2299.3 | 2168.5 | 2074.4 |
| 57.5° | 5519.9 | 5398.3 | 5158.5 | 4863.6 | 4278.4 | 3703.6 | 3243.6 | 2910.8 | 2746.7 | 2687.1 | 2722.6 |
| 60°   | 6286.3 | 6264.6 | 6226.7 | 6086.7 | 5787.2 | 5292.8 | 4742.0 | 4146.6 | 3907.9 | 3887.2 | 3959.5 |
| 62.5° | 6650.1 | 6636.3 | 6647.8 | 6630.6 | 6537.6 | 6393.0 | 6234.7 | 5977.7 | 5741.3 | 5588.7 | 5265.2 |
| 65°   | 6817.6 | 6826.8 | 6892.1 | 6943.7 | 6955.2 | 6993.1 | 7109.0 | 7429.1 | 7663.1 | 7269.6 | 6371.2 |
| 67.5° | 6391.9 | 6445.8 | 6596.1 | 6784.3 | 7004.6 | 7218.0 | 7562.2 | 8236.8 | 8717.6 | 8255.2 | 6979.3 |
| 69°   | 5291.6 | 5318.0 | 5685.1 | 6039.7 | 6577.7 | 6954.1 | 7453.2 | 8337.8 | 8878.2 | 8356.2 | 6931.1 |
| 70°   | 4166.0 | 4190.1 | 4583.7 | 5065.5 | 5975.4 | 6459.6 | 7112.4 | 8166.9 | 8727.9 | 8221.9 | 6683.3 |
| 72.5° | 1879.4 | 1845.0 | 1983.7 | 2241.9 | 3230.9 | 3999.7 | 5141.3 | 6616.8 | 7200.8 | 6586.9 | 5000.1 |
| 75°   | 1312.6 | 1297.7 | 1312.6 | 1313.7 | 1467.5 | 1893.1 | 2388.8 | 3586.6 | 4435.6 | 3827.6 | 2388.8 |
| 77.5° | 1016.5 | 1006.2 | 995.9  | 984.4  | 1002.8 | 1123.3 | 1171.4 | 1272.4 | 1652.2 | 1562.7 | 911.0  |
| 80°   | 804.3  | 795.1  | 820.3  | 812.3  | 812.3  | 826.1  | 816.9  | 779.0  | 707.9  | 656.3  | 587.4  |
| 82.5° | 374.0  | 376.3  | 376.3  | 408.4  | 492.2  | 574.8  | 601.2  | 563.4  | 500.3  | 425.6  | 343.1  |
| 85°   | 35.5   | 40.1   | 67.7   | 104.4  | 207.7  | 234.0  | 235.2  | 195.0  | 195.0  | 153.8  | 123.9  |
| 87.5° | 0.0    | 1.1    | 1.1    | 1.1    | 10.3   | 28.7   | 24.1   | 6.9    | 3.4    | 3.4    | 5.7    |
| 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°   | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 529.0  | 529.0  | 529.0  | 529.0  | 529.0  | 529.0  | 529.0  | 529.0 | 529.0 | 529.0 | 529.0 |
| 2.5°  | 610.4  | 606.9  | 593.2  | 579.4  | 566.8  | 553.0  | 540.4  | 527.8 | 514.0 | 503.7 | 491.1 |
| 5°    | 713.7  | 688.4  | 659.7  | 632.2  | 604.6  | 576.0  | 546.2  | 519.8 | 492.2 | 467.0 | 442.8 |
| 7.5°  | 818.0  | 768.7  | 729.7  | 680.4  | 635.6  | 590.9  | 549.6  | 507.2 | 468.1 | 431.4 | 397.0 |
| 10°   | 906.4  | 846.7  | 785.9  | 722.9  | 658.6  | 598.9  | 541.6  | 491.1 | 439.4 | 394.7 | 352.3 |
| 12.5° | 978.7  | 903.0  | 828.4  | 749.2  | 676.9  | 601.2  | 530.1  | 469.3 | 408.4 | 358.0 | 314.4 |
| 15°   | 1044.1 | 956.9  | 867.4  | 775.6  | 683.8  | 597.8  | 518.6  | 442.8 | 380.9 | 323.6 | 274.2 |
| 17.5° | 1096.9 | 997.0  | 896.1  | 792.8  | 694.2  | 593.2  | 503.7  | 424.5 | 352.3 | 292.6 | 244.4 |
| 20°   | 1142.8 | 1038.3 | 929.4  | 813.4  | 701.1  | 592.0  | 491.1  | 401.6 | 327.0 | 263.9 | 216.8 |
| 22.5° | 1185.2 | 1080.8 | 963.8  | 839.8  | 711.4  | 590.9  | 479.6  | 384.4 | 305.2 | 242.1 | 195.0 |
| 25°   | 1233.4 | 1123.3 | 1000.5 | 867.4  | 729.7  | 595.5  | 472.7  | 370.6 | 285.7 | 221.4 | 177.8 |
| 27.5° | 1287.4 | 1171.4 | 1044.1 | 901.8  | 753.8  | 604.6  | 470.4  | 355.7 | 268.5 | 201.9 | 164.1 |
| 30°   | 1363.0 | 1228.8 | 1087.7 | 936.2  | 775.6  | 615.0  | 468.1  | 346.5 | 251.2 | 187.0 | 150.3 |
| 32.5° | 1429.6 | 1285.1 | 1135.9 | 971.8  | 799.7  | 625.3  | 467.0  | 333.9 | 235.2 | 172.1 | 140.0 |
| 35°   | 1499.6 | 1336.7 | 1177.2 | 1006.2 | 820.3  | 636.7  | 465.8  | 324.7 | 220.3 | 157.2 | 129.7 |
| 37.5° | 1560.4 | 1380.2 | 1209.3 | 1036.0 | 843.3  | 647.1  | 467.0  | 316.7 | 206.5 | 144.6 | 120.5 |
| 40°   | 1612.0 | 1425.0 | 1244.9 | 1063.6 | 867.4  | 663.2  | 468.1  | 308.7 | 192.8 | 133.1 | 112.5 |
| 42.5° | 1658.0 | 1467.5 | 1282.8 | 1094.6 | 895.0  | 681.5  | 475.0  | 301.8 | 181.3 | 122.8 | 104.4 |
| 45°   | 1693.5 | 1506.5 | 1324.0 | 1138.2 | 939.7  | 711.4  | 487.6  | 297.2 | 169.8 | 113.6 | 97.5  |
| 47.5° | 1730.2 | 1563.8 | 1394.0 | 1207.0 | 1005.1 | 758.4  | 509.5  | 296.0 | 160.6 | 106.7 | 91.8  |
| 50°   | 1780.7 | 1621.2 | 1456.0 | 1277.0 | 1064.8 | 806.6  | 535.8  | 297.2 | 149.2 | 99.8  | 86.0  |
| 52.5° | 1817.4 | 1679.7 | 1536.3 | 1398.6 | 1207.0 | 953.4  | 637.9  | 317.8 | 143.4 | 94.1  | 79.1  |
| 55°   | 2034.3 | 2010.2 | 2013.6 | 2036.6 | 1888.6 | 1622.3 | 1067.1 | 458.9 | 168.7 | 106.7 | 78.0  |
| 57.5° | 2868.4 | 2953.3 | 3002.6 | 3001.5 | 2757.1 | 2286.7 | 1433.0 | 589.7 | 188.2 | 123.9 | 92.9  |
| 60°   | 3965.3 | 3901.0 | 3810.4 | 3586.6 | 3261.9 | 2610.3 | 1602.8 | 634.5 | 162.9 | 98.7  | 84.9  |
| 62.5° | 4934.8 | 4558.4 | 4224.5 | 3862.0 | 3436.3 | 2722.6 | 1637.3 | 631.0 | 142.3 | 74.6  | 59.6  |
| 65°   | 5539.4 | 4862.4 | 4323.2 | 3868.8 | 3367.5 | 2628.6 | 1548.9 | 579.4 | 120.5 | 60.8  | 49.3  |
| 67.5° | 5684.0 | 4698.4 | 3935.4 | 3356.0 | 2813.3 | 2045.8 | 1137.0 | 436.0 | 94.1  | 50.5  | 43.6  |
| 69°   | 5368.4 | 4176.4 | 3260.8 | 2603.4 | 2046.9 | 1357.3 | 703.4  | 275.3 | 72.3  | 45.9  | 40.1  |
| 70°   | 4938.2 | 3632.5 | 2656.1 | 2089.3 | 1515.7 | 953.4  | 492.2  | 193.9 | 58.5  | 42.4  | 36.7  |
| 72.5° | 3177.0 | 1908.0 | 1305.7 | 908.7  | 625.3  | 379.8  | 192.8  | 87.2  | 44.7  | 35.5  | 29.8  |
| 75°   | 1232.2 | 705.7  | 511.8  | 388.9  | 304.1  | 211.1  | 117.1  | 56.2  | 37.8  | 29.8  | 22.9  |
| 77.5° | 606.9  | 464.7  | 379.8  | 260.4  | 151.5  | 94.1   | 63.1   | 43.6  | 31.0  | 21.8  | 14.9  |
| 80°   | 479.6  | 319.0  | 190.5  | 118.2  | 89.5   | 67.7   | 48.2   | 35.5  | 22.9  | 13.8  | 10.3  |
| 82.5° | 245.5  | 134.3  | 98.7   | 80.3   | 66.5   | 52.8   | 39.0   | 25.2  | 14.9  | 9.2   | 8.0   |
| 85°   | 76.8   | 56.2   | 50.5   | 49.3   | 45.9   | 37.8   | 27.5   | 16.1  | 9.2   | 5.7   | 5.7   |
| 87.5° | 5.7    | 8.0    | 10.3   | 8.0    | 9.2    | 8.0    | 10.3   | 6.9   | 4.6   | 4.6   | 3.4   |
| 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):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 529.0 | 529.0 | 529.0 | 529.0 | 529.0 | 529.0 | 529.0 | 529.0 | 529.0 | 529.0 | 529.0 |
| 2.5°  | 481.9 | 468.1 | 455.5 | 447.4 | 432.5 | 426.8 | 421.1 | 418.8 | 408.4 | 410.7 | 401.6 |
| 5°    | 421.1 | 397.0 | 378.6 | 360.3 | 343.1 | 330.5 | 320.1 | 307.5 | 297.2 | 292.6 | 283.4 |
| 7.5°  | 366.0 | 335.1 | 311.0 | 291.4 | 270.8 | 254.7 | 240.9 | 231.7 | 222.6 | 213.4 | 208.8 |
| 10°   | 317.8 | 284.5 | 257.0 | 237.5 | 218.0 | 204.2 | 193.9 | 187.0 | 181.3 | 177.8 | 176.7 |
| 12.5° | 273.1 | 240.9 | 215.7 | 198.5 | 183.6 | 176.7 | 172.1 | 168.7 | 167.5 | 166.4 | 166.4 |
| 15°   | 238.6 | 206.5 | 187.0 | 174.4 | 167.5 | 164.1 | 162.9 | 160.6 | 158.4 | 157.2 | 157.2 |
| 17.5° | 206.5 | 182.4 | 168.7 | 161.8 | 158.4 | 156.1 | 153.8 | 151.5 | 149.2 | 148.0 | 148.0 |
| 20°   | 184.7 | 165.2 | 158.4 | 153.8 | 150.3 | 148.0 | 144.6 | 142.3 | 141.2 | 140.0 | 138.9 |
| 22.5° | 167.5 | 154.9 | 150.3 | 146.9 | 142.3 | 138.9 | 136.6 | 134.3 | 132.0 | 130.8 | 129.7 |
| 25°   | 154.9 | 146.9 | 143.4 | 138.9 | 134.3 | 130.8 | 127.4 | 123.9 | 121.7 | 120.5 | 118.2 |
| 27.5° | 145.7 | 140.0 | 135.4 | 129.7 | 125.1 | 121.7 | 118.2 | 114.8 | 112.5 | 110.2 | 109.0 |
| 30°   | 137.7 | 132.0 | 126.2 | 121.7 | 115.9 | 112.5 | 107.9 | 104.4 | 103.3 | 101.0 | 98.7  |
| 32.5° | 129.7 | 123.9 | 118.2 | 112.5 | 106.7 | 102.1 | 99.8  | 95.2  | 92.9  | 91.8  | 89.5  |
| 35°   | 120.5 | 114.8 | 107.9 | 103.3 | 97.5  | 92.9  | 89.5  | 86.0  | 83.7  | 81.4  | 80.3  |
| 37.5° | 112.5 | 105.6 | 98.7  | 92.9  | 88.3  | 83.7  | 80.3  | 76.8  | 74.6  | 72.3  | 71.1  |
| 40°   | 103.3 | 96.4  | 89.5  | 83.7  | 79.1  | 75.7  | 72.3  | 68.8  | 66.5  | 65.4  | 65.4  |
| 42.5° | 95.2  | 87.2  | 80.3  | 75.7  | 72.3  | 67.7  | 64.2  | 60.8  | 59.6  | 58.5  | 59.6  |
| 45°   | 87.2  | 79.1  | 73.4  | 68.8  | 65.4  | 60.8  | 57.3  | 55.0  | 53.9  | 55.0  | 56.2  |
| 47.5° | 80.3  | 72.3  | 66.5  | 63.1  | 59.6  | 56.2  | 52.8  | 50.5  | 50.5  | 52.8  | 55.0  |
| 50°   | 73.4  | 65.4  | 60.8  | 58.5  | 55.0  | 51.6  | 47.0  | 45.9  | 47.0  | 49.3  | 51.6  |
| 52.5° | 66.5  | 57.3  | 53.9  | 52.8  | 49.3  | 45.9  | 42.4  | 41.3  | 42.4  | 44.7  | 43.6  |
| 55°   | 59.6  | 50.5  | 49.3  | 48.2  | 44.7  | 40.1  | 36.7  | 36.7  | 36.7  | 35.5  | 33.3  |
| 57.5° | 57.3  | 44.7  | 43.6  | 42.4  | 39.0  | 34.4  | 32.1  | 29.8  | 28.7  | 25.2  | 24.1  |
| 60°   | 59.6  | 40.1  | 40.1  | 37.8  | 34.4  | 29.8  | 26.4  | 22.9  | 20.6  | 18.3  | 18.3  |
| 62.5° | 48.2  | 36.7  | 35.5  | 33.3  | 28.7  | 24.1  | 20.6  | 17.2  | 16.1  | 14.9  | 14.9  |
| 65°   | 39.0  | 33.3  | 31.0  | 27.5  | 24.1  | 19.5  | 16.1  | 13.8  | 12.6  | 12.6  | 13.8  |
| 67.5° | 35.5  | 29.8  | 26.4  | 22.9  | 19.5  | 14.9  | 12.6  | 11.5  | 11.5  | 12.6  | 12.6  |
| 69°   | 33.3  | 27.5  | 24.1  | 20.6  | 17.2  | 13.8  | 11.5  | 11.5  | 11.5  | 11.5  | 12.6  |
| 70°   | 31.0  | 26.4  | 22.9  | 19.5  | 14.9  | 11.5  | 10.3  | 10.3  | 11.5  | 11.5  | 12.6  |
| 72.5° | 24.1  | 20.6  | 19.5  | 16.1  | 11.5  | 10.3  | 9.2   | 10.3  | 10.3  | 11.5  | 11.5  |
| 75°   | 18.3  | 14.9  | 14.9  | 12.6  | 9.2   | 8.0   | 8.0   | 9.2   | 9.2   | 10.3  | 10.3  |
| 77.5° | 12.6  | 10.3  | 10.3  | 9.2   | 8.0   | 6.9   | 6.9   | 8.0   | 9.2   | 9.2   | 10.3  |
| 80°   | 9.2   | 8.0   | 6.9   | 8.0   | 6.9   | 5.7   | 6.9   | 8.0   | 8.0   | 9.2   | 9.2   |
| 82.5° | 6.9   | 6.9   | 6.9   | 6.9   | 5.7   | 5.7   | 6.9   | 6.9   | 8.0   | 9.2   | 9.2   |
| 85°   | 5.7   | 5.7   | 5.7   | 5.7   | 5.7   | 5.7   | 5.7   | 6.9   | 6.9   | 8.0   | 8.0   |
| 87.5° | 3.4   | 3.4   | 3.4   | 4.6   | 4.6   | 5.7   | 5.7   | 5.7   | 5.7   | 6.9   | 6.9   |
| 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):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 529.0 | 529.0 | 529.0 | 529.0 |
| 2.5°  | 399.3 | 398.1 | 393.5 | 394.7 |
| 5°    | 279.9 | 273.1 | 277.6 | 276.5 |
| 7.5°  | 205.4 | 204.2 | 203.1 | 205.4 |
| 10°   | 175.6 | 175.6 | 174.4 | 175.6 |
| 12.5° | 165.2 | 165.2 | 165.2 | 165.2 |
| 15°   | 157.2 | 157.2 | 156.1 | 156.1 |
| 17.5° | 148.0 | 148.0 | 148.0 | 146.9 |
| 20°   | 138.9 | 137.7 | 137.7 | 137.7 |
| 22.5° | 128.5 | 127.4 | 127.4 | 127.4 |
| 25°   | 118.2 | 117.1 | 117.1 | 117.1 |
| 27.5° | 107.9 | 106.7 | 105.6 | 105.6 |
| 30°   | 97.5  | 96.4  | 95.2  | 95.2  |
| 32.5° | 87.2  | 86.0  | 84.9  | 84.9  |
| 35°   | 78.0  | 78.0  | 76.8  | 75.7  |
| 37.5° | 70.0  | 70.0  | 70.0  | 70.0  |
| 40°   | 64.2  | 65.4  | 65.4  | 65.4  |
| 42.5° | 60.8  | 61.9  | 63.1  | 64.2  |
| 45°   | 58.5  | 60.8  | 61.9  | 61.9  |
| 47.5° | 57.3  | 58.5  | 59.6  | 59.6  |
| 50°   | 52.8  | 51.6  | 51.6  | 51.6  |
| 52.5° | 42.4  | 40.1  | 39.0  | 37.8  |
| 55°   | 31.0  | 29.8  | 27.5  | 27.5  |
| 57.5° | 21.8  | 21.8  | 20.6  | 20.6  |
| 60°   | 17.2  | 17.2  | 16.1  | 17.2  |
| 62.5° | 14.9  | 14.9  | 14.9  | 14.9  |
| 65°   | 13.8  | 13.8  | 13.8  | 13.8  |
| 67.5° | 13.8  | 13.8  | 13.8  | 13.8  |
| 69°   | 12.6  | 12.6  | 12.6  | 12.6  |
| 70°   | 12.6  | 12.6  | 12.6  | 12.6  |
| 72.5° | 11.5  | 11.5  | 11.5  | 11.5  |
| 75°   | 10.3  | 11.5  | 11.5  | 11.5  |
| 77.5° | 10.3  | 10.3  | 10.3  | 10.3  |
| 80°   | 9.2   | 9.2   | 10.3  | 10.3  |
| 82.5° | 9.2   | 9.2   | 9.2   | 9.2   |
| 85°   | 8.0   | 8.0   | 9.2   | 9.2   |
| 87.5° | 6.9   | 6.9   | 8.0   | 8.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)