

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: P165487

Luminaire Tested: **VST-E05-LED-E-U-SL4-HSS**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P165487  
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-E05-LED-E-U-SL4-HSS  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (105) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 10052.5 lumens  
Efficiency: N/A  
Efficacy: 79.0 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: B1 - U0 - G3  
  
Input Watts (W): 127.3  
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

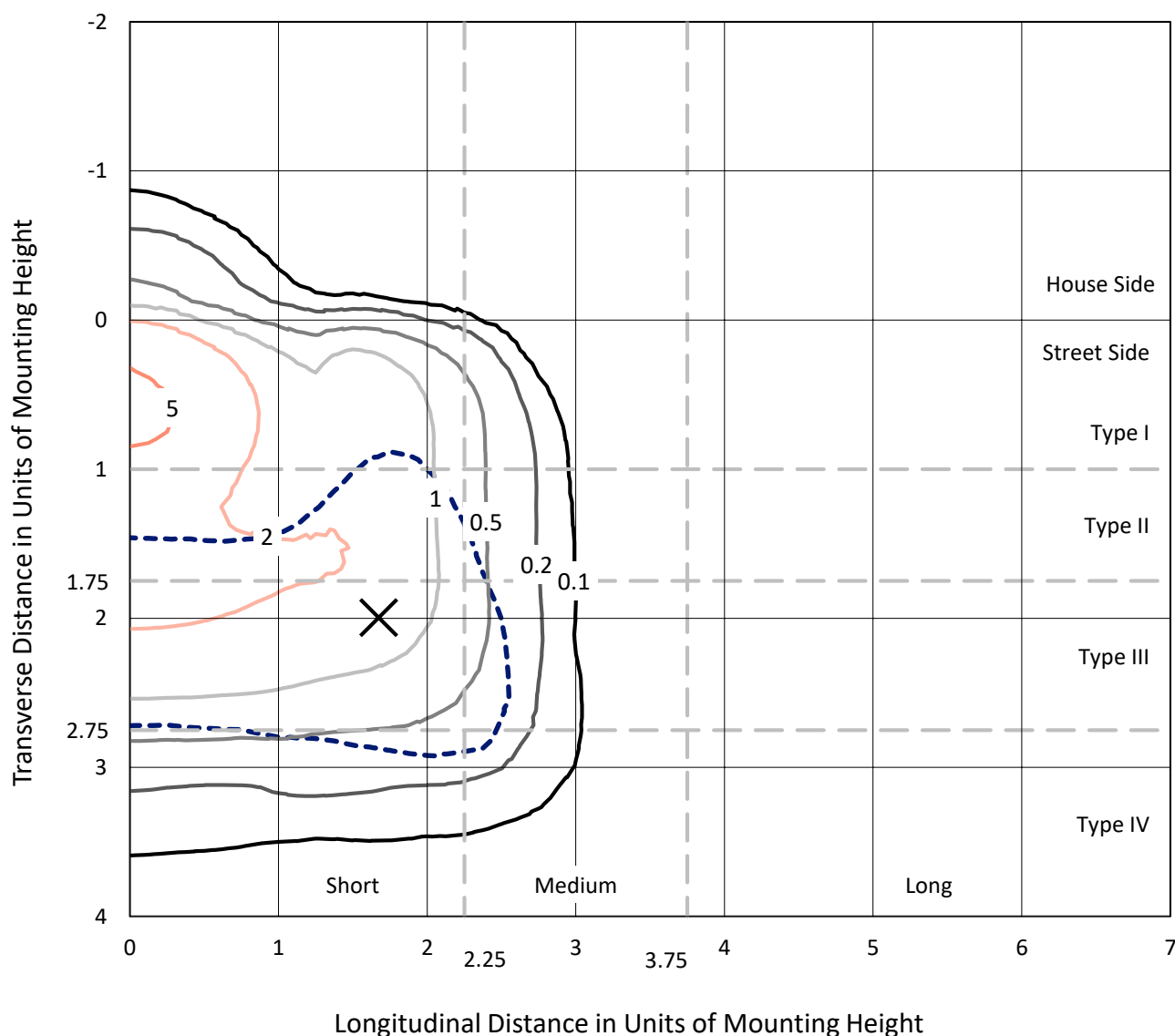


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

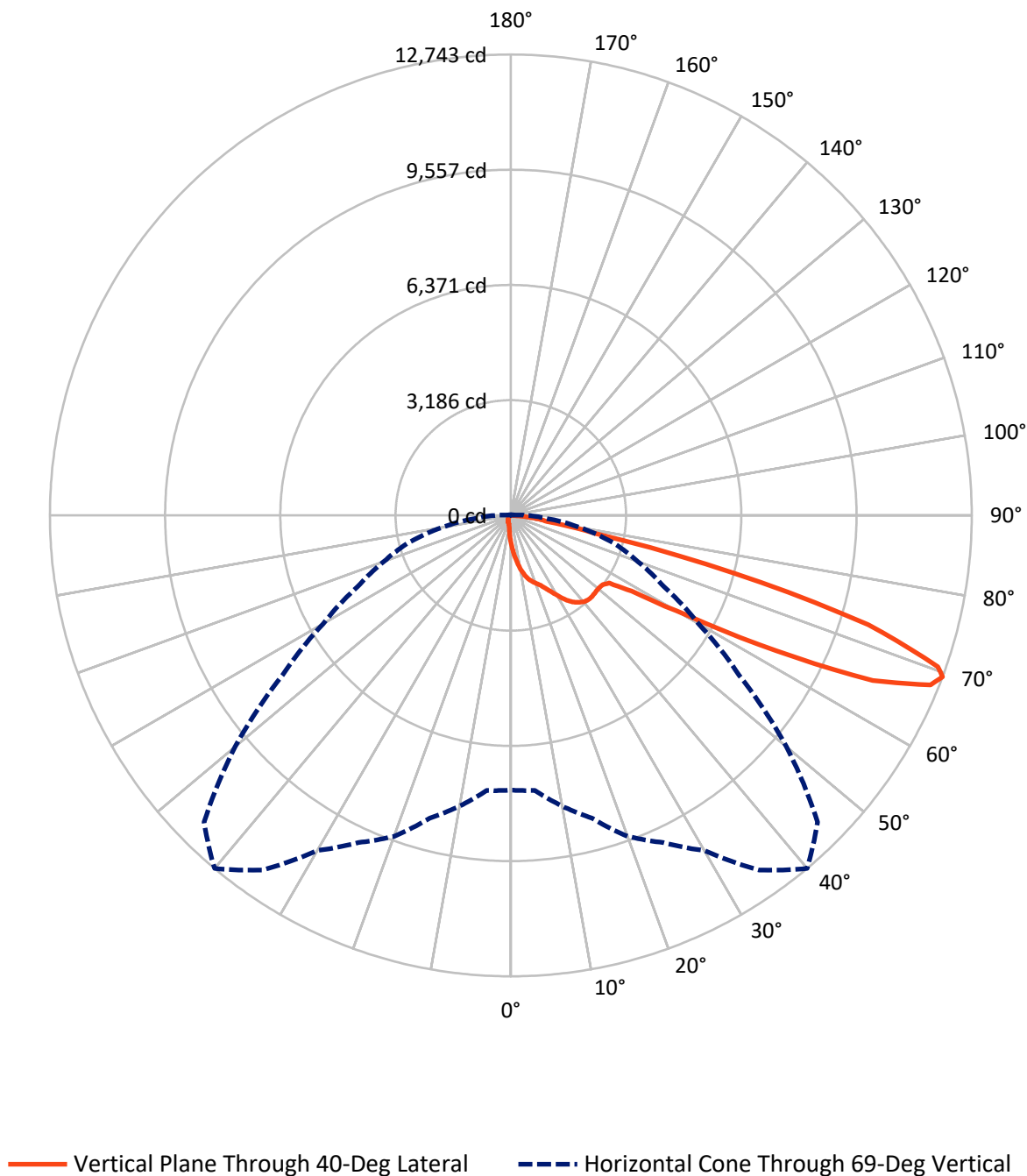


Based on 20 foot mounting height. Maximum calculated value = 5.6 fc  
 Type IV - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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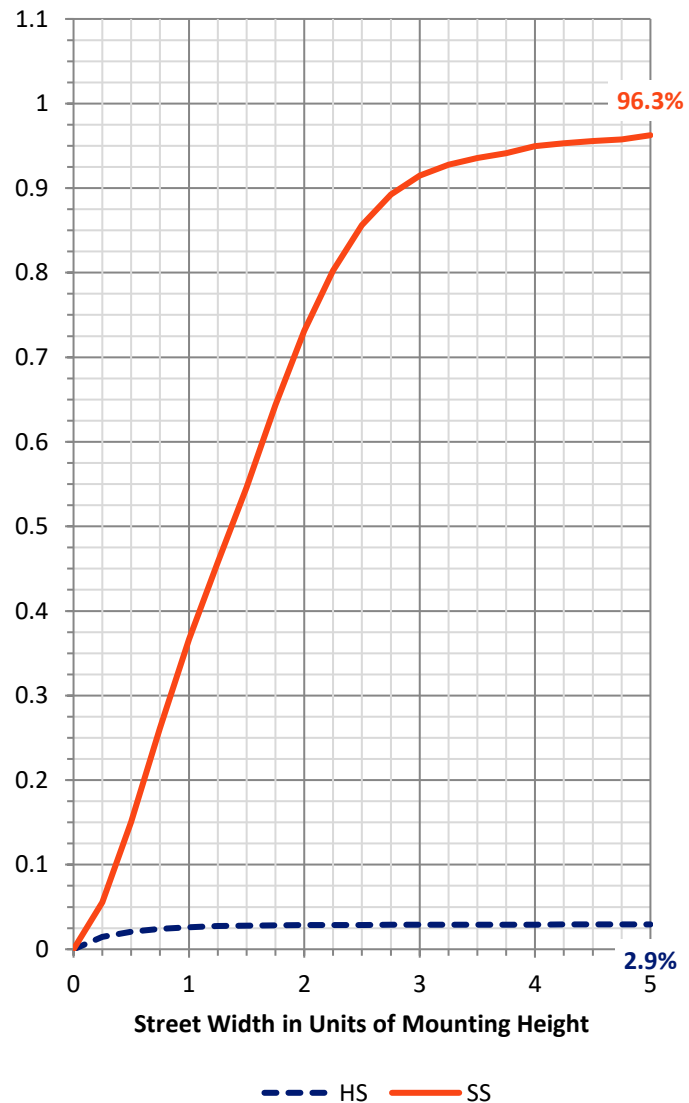
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 299.4    | 0.0    | 299.4   |
|                    | % Fixture | 3.0      | 0.0    | 3.0     |
| <b>Street Side</b> | Lumens    | 9753.1   | 0.0    | 9753.1  |
|                    | % Fixture | 97.0     | 0.0    | 97.0    |
| <b>Total</b>       | Lumens    | 10052.5  | 0.0    | 10052.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 78.0    | 0.8       |
| 10°-20°   | 269.0   | 2.7       |
| 20°-30°   | 514.9   | 5.1       |
| 30°-40°   | 856.3   | 8.5       |
| 40°-50°   | 1158.7  | 11.5      |
| 50°-60°   | 1812.1  | 18.0      |
| 60°-70°   | 3725.6  | 37.1      |
| 70°-80°   | 1499.1  | 14.9      |
| 80°-90°   | 138.7   | 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°    | 10052.5 | 100.0     |
| 0°-180°   | 10052.5 | 100.0     |

**Coefficient of Utilization**



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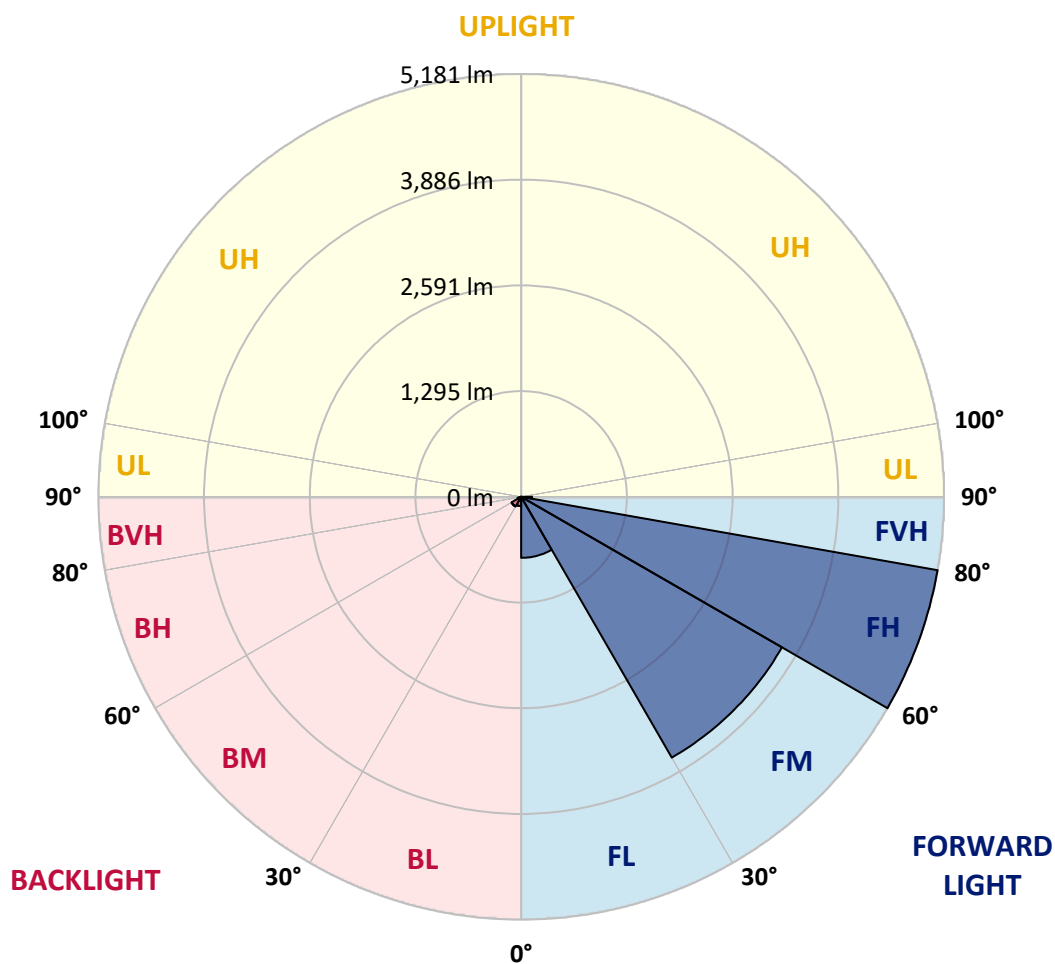
CATALOG NUMBER: VST-E05-LED-E-U-SL4-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 748.1  | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 3690.4 | 36.7      |                         |      |         |
| FH   | (60°-80°)   | 5181.1 | 51.5      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 133.5  | 1.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 113.9  | 1.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 136.7  | 1.4       | B0/220                  |      |         |
| BH   | (60°-80°)   | 43.7   | 0.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 5.2    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 759.2  | 759.2  | 759.2  | 759.2  | 759.2   | 759.2   | 759.2   | 759.2   | 759.2   | 759.2   | 759.2   |
| 2.5°  | 1012.8 | 1001.2 | 988.0  | 988.0  | 971.6   | 971.6   | 961.7   | 935.4   | 932.1   | 917.2   | 902.4   |
| 5°    | 1292.7 | 1282.8 | 1266.4 | 1251.5 | 1238.4  | 1215.3  | 1198.8  | 1167.5  | 1133.0  | 1100.0  | 1070.4  |
| 7.5°  | 1566.1 | 1561.1 | 1531.5 | 1526.5 | 1505.1  | 1467.3  | 1434.3  | 1388.2  | 1328.9  | 1282.8  | 1228.5  |
| 10°   | 1819.7 | 1808.1 | 1801.5 | 1773.5 | 1742.3  | 1701.1  | 1650.0  | 1594.1  | 1524.9  | 1452.4  | 1375.0  |
| 12.5° | 2020.6 | 2014.0 | 1984.3 | 1972.8 | 1939.9  | 1898.7  | 1834.5  | 1762.0  | 1692.9  | 1599.0  | 1508.4  |
| 15°   | 2170.4 | 2158.9 | 2139.1 | 2121.0 | 2081.5  | 2045.3  | 1986.0  | 1906.9  | 1823.0  | 1720.9  | 1612.2  |
| 17.5° | 2295.6 | 2274.2 | 2269.2 | 2241.2 | 2200.1  | 2157.2  | 2091.4  | 2018.9  | 1920.1  | 1818.0  | 1699.4  |
| 20°   | 2463.5 | 2433.9 | 2424.0 | 2382.8 | 2335.1  | 2275.8  | 2200.1  | 2109.5  | 2005.7  | 1893.8  | 1771.9  |
| 22.5° | 2661.1 | 2639.7 | 2618.3 | 2582.1 | 2521.2  | 2437.2  | 2326.9  | 2228.1  | 2096.3  | 1972.8  | 1841.1  |
| 25°   | 2941.1 | 2923.0 | 2888.4 | 2839.0 | 2763.2  | 2662.8  | 2529.4  | 2384.5  | 2229.7  | 2071.6  | 1916.8  |
| 27.5° | 3212.8 | 3196.3 | 3171.6 | 3133.8 | 3048.1  | 2937.8  | 2773.1  | 2588.7  | 2392.7  | 2201.7  | 2030.4  |
| 30°   | 3468.1 | 3453.2 | 3428.5 | 3390.7 | 3314.9  | 3206.2  | 3020.1  | 2822.5  | 2578.8  | 2356.5  | 2150.7  |
| 32.5° | 3743.1 | 3738.1 | 3710.1 | 3655.8 | 3589.9  | 3443.4  | 3240.8  | 3028.4  | 2781.4  | 2524.5  | 2284.0  |
| 35°   | 4054.3 | 4016.4 | 3990.1 | 3935.7 | 3823.8  | 3667.3  | 3430.2  | 3198.0  | 2937.8  | 2674.3  | 2405.9  |
| 37.5° | 4317.8 | 4281.6 | 4248.6 | 4179.5 | 4042.8  | 3843.5  | 3575.1  | 3319.8  | 3051.4  | 2783.0  | 2509.6  |
| 40°   | 4510.4 | 4492.3 | 4452.8 | 4362.2 | 4209.1  | 3972.0  | 3682.1  | 3403.8  | 3133.8  | 2863.7  | 2593.6  |
| 42.5° | 4653.7 | 4625.7 | 4581.3 | 4487.4 | 4306.3  | 4036.2  | 3724.9  | 3438.4  | 3171.6  | 2913.1  | 2648.0  |
| 45°   | 4706.4 | 4683.4 | 4642.2 | 4540.1 | 4344.1  | 4054.3  | 3723.3  | 3428.5  | 3173.3  | 2927.9  | 2684.2  |
| 47.5° | 4675.1 | 4652.1 | 4615.8 | 4520.3 | 4327.7  | 4032.9  | 3693.7  | 3400.5  | 3156.8  | 2932.9  | 2717.1  |
| 50°   | 4571.4 | 4558.2 | 4530.2 | 4449.5 | 4276.6  | 3991.7  | 3667.3  | 3385.7  | 3153.5  | 2957.6  | 2763.2  |
| 52.5° | 4561.5 | 4553.3 | 4518.7 | 4438.0 | 4261.8  | 3978.5  | 3664.0  | 3394.0  | 3181.5  | 2988.9  | 2796.2  |
| 55°   | 5574.2 | 5457.3 | 5195.5 | 4973.2 | 4607.6  | 4172.9  | 3830.3  | 3527.3  | 3300.1  | 3112.4  | 2977.3  |
| 57.5° | 7922.5 | 7748.0 | 7403.8 | 6980.6 | 6140.7  | 5315.7  | 4655.4  | 4177.8  | 3942.3  | 3856.7  | 3907.7  |
| 60°   | 9022.5 | 8991.3 | 8936.9 | 8736.0 | 8306.2  | 7596.5  | 6806.0  | 5951.4  | 5608.8  | 5579.2  | 5682.9  |
| 62.5° | 9544.6 | 9524.8 | 9541.3 | 9516.6 | 9383.2  | 9175.7  | 8948.4  | 8579.6  | 8240.3  | 8021.3  | 7556.9  |
| 65°   | 9785.0 | 9798.2 | 9892.0 | 9966.1 | 9982.6  | 10036.9 | 10203.3 | 10662.7 | 10998.6 | 10433.8 | 9144.4  |
| 67.5° | 9174.0 | 9251.4 | 9467.2 | 9737.2 | 10053.4 | 10359.7 | 10853.7 | 11822.0 | 12512.0 | 11848.4 | 10017.2 |
| 69°   | 7594.8 | 7632.7 | 8159.6 | 8668.5 | 9440.8  | 9981.0  | 10697.3 | 11966.9 | 12742.6 | 11993.3 | 9948.0  |
| 70°   | 5979.3 | 6013.9 | 6578.8 | 7270.4 | 8576.3  | 9271.2  | 10208.2 | 11721.6 | 12526.8 | 11800.6 | 9592.3  |
| 72.5° | 2697.4 | 2648.0 | 2847.2 | 3217.7 | 4637.2  | 5740.6  | 7379.1  | 9496.8  | 10335.0 | 9454.0  | 7176.5  |
| 75°   | 1883.9 | 1862.5 | 1883.9 | 1885.5 | 2106.2  | 2717.1  | 3428.5  | 5147.7  | 6366.3  | 5493.6  | 3428.5  |
| 77.5° | 1459.0 | 1444.2 | 1429.4 | 1412.9 | 1439.3  | 1612.2  | 1681.3  | 1826.2  | 2371.3  | 2242.9  | 1307.5  |
| 80°   | 1154.4 | 1141.2 | 1177.4 | 1165.9 | 1165.9  | 1185.7  | 1172.5  | 1118.1  | 1016.0  | 941.9   | 843.1   |
| 82.5° | 536.8  | 540.1  | 540.1  | 586.2  | 706.5   | 825.0   | 862.9   | 808.6   | 718.0   | 610.9   | 492.4   |
| 85°   | 51.0   | 57.6   | 97.2   | 149.9  | 298.1   | 335.9   | 337.6   | 279.9   | 279.9   | 220.7   | 177.8   |
| 87.5° | 0.0    | 1.6    | 1.6    | 1.6    | 14.8    | 41.2    | 34.6    | 9.9     | 4.9     | 4.9     | 8.2     |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°   | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 759.2  | 759.2  | 759.2  | 759.2  | 759.2  | 759.2  | 759.2  | 759.2 | 759.2 | 759.2 | 759.2 |
| 2.5°  | 876.1  | 871.1  | 851.4  | 831.6  | 813.5  | 793.7  | 775.6  | 757.5 | 737.7 | 722.9 | 704.8 |
| 5°    | 1024.3 | 988.0  | 946.9  | 907.4  | 867.8  | 826.7  | 783.9  | 746.0 | 706.5 | 670.2 | 635.6 |
| 7.5°  | 1174.1 | 1103.3 | 1047.3 | 976.5  | 912.3  | 848.1  | 788.8  | 727.9 | 671.9 | 619.2 | 569.8 |
| 10°   | 1300.9 | 1215.3 | 1128.0 | 1037.5 | 945.2  | 859.6  | 777.3  | 704.8 | 630.7 | 566.5 | 505.6 |
| 12.5° | 1404.7 | 1296.0 | 1189.0 | 1075.3 | 971.6  | 862.9  | 760.8  | 673.5 | 586.2 | 513.8 | 451.2 |
| 15°   | 1498.5 | 1373.4 | 1244.9 | 1113.2 | 981.5  | 858.0  | 744.3  | 635.6 | 546.7 | 464.4 | 393.6 |
| 17.5° | 1574.3 | 1431.0 | 1286.1 | 1137.9 | 996.3  | 851.4  | 722.9  | 609.3 | 505.6 | 419.9 | 350.8 |
| 20°   | 1640.2 | 1490.3 | 1333.9 | 1167.5 | 1006.2 | 849.7  | 704.8  | 576.4 | 469.3 | 378.8 | 311.2 |
| 22.5° | 1701.1 | 1551.2 | 1383.3 | 1205.4 | 1021.0 | 848.1  | 688.3  | 551.7 | 438.0 | 347.5 | 279.9 |
| 25°   | 1770.3 | 1612.2 | 1436.0 | 1244.9 | 1047.3 | 854.7  | 678.5  | 531.9 | 410.0 | 317.8 | 255.2 |
| 27.5° | 1847.7 | 1681.3 | 1498.5 | 1294.3 | 1081.9 | 867.8  | 675.2  | 510.5 | 385.3 | 289.8 | 235.5 |
| 30°   | 1956.3 | 1763.7 | 1561.1 | 1343.7 | 1113.2 | 882.7  | 671.9  | 497.3 | 360.6 | 268.4 | 215.7 |
| 32.5° | 2051.9 | 1844.4 | 1630.3 | 1394.8 | 1147.8 | 897.5  | 670.2  | 479.2 | 337.6 | 247.0 | 200.9 |
| 35°   | 2152.3 | 1918.5 | 1689.6 | 1444.2 | 1177.4 | 913.9  | 668.6  | 466.0 | 316.2 | 225.6 | 186.1 |
| 37.5° | 2239.6 | 1981.0 | 1735.7 | 1487.0 | 1210.4 | 928.8  | 670.2  | 454.5 | 296.4 | 207.5 | 172.9 |
| 40°   | 2313.7 | 2045.3 | 1786.7 | 1526.5 | 1244.9 | 951.8  | 671.9  | 443.0 | 276.7 | 191.0 | 161.4 |
| 42.5° | 2379.6 | 2106.2 | 1841.1 | 1571.0 | 1284.5 | 978.2  | 681.8  | 433.1 | 260.2 | 176.2 | 149.9 |
| 45°   | 2430.6 | 2162.2 | 1900.3 | 1633.6 | 1348.7 | 1021.0 | 699.9  | 426.5 | 243.7 | 163.0 | 140.0 |
| 47.5° | 2483.3 | 2244.5 | 2000.8 | 1732.4 | 1442.6 | 1088.5 | 731.2  | 424.9 | 230.5 | 153.1 | 131.7 |
| 50°   | 2555.8 | 2326.9 | 2089.7 | 1832.8 | 1528.2 | 1157.7 | 769.0  | 426.5 | 214.1 | 143.3 | 123.5 |
| 52.5° | 2608.5 | 2410.8 | 2205.0 | 2007.4 | 1732.4 | 1368.4 | 915.6  | 456.1 | 205.8 | 135.0 | 113.6 |
| 55°   | 2919.7 | 2885.1 | 2890.0 | 2923.0 | 2710.6 | 2328.5 | 1531.5 | 658.7 | 242.1 | 153.1 | 112.0 |
| 57.5° | 4116.9 | 4238.7 | 4309.5 | 4307.9 | 3957.1 | 3282.0 | 2056.8 | 846.4 | 270.1 | 177.8 | 133.4 |
| 60°   | 5691.2 | 5599.0 | 5468.9 | 5147.7 | 4681.7 | 3746.4 | 2300.5 | 910.7 | 233.8 | 141.6 | 121.9 |
| 62.5° | 7082.7 | 6542.5 | 6063.3 | 5543.0 | 4932.0 | 3907.7 | 2349.9 | 905.7 | 204.2 | 107.0 | 85.6  |
| 65°   | 7950.5 | 6978.9 | 6205.0 | 5552.8 | 4833.2 | 3772.7 | 2223.1 | 831.6 | 172.9 | 87.3  | 70.8  |
| 67.5° | 8158.0 | 6743.4 | 5648.4 | 4816.7 | 4037.8 | 2936.2 | 1631.9 | 625.8 | 135.0 | 72.5  | 62.6  |
| 69°   | 7705.1 | 5994.2 | 4680.1 | 3736.5 | 2937.8 | 1948.1 | 1009.5 | 395.2 | 103.7 | 65.9  | 57.6  |
| 70°   | 7087.6 | 5213.6 | 3812.2 | 2998.7 | 2175.4 | 1368.4 | 706.5  | 278.3 | 84.0  | 60.9  | 52.7  |
| 72.5° | 4559.9 | 2738.5 | 1874.0 | 1304.2 | 897.5  | 545.1  | 276.7  | 125.2 | 64.2  | 51.0  | 42.8  |
| 75°   | 1768.6 | 1012.8 | 734.5  | 558.2  | 436.4  | 303.0  | 168.0  | 80.7  | 54.3  | 42.8  | 32.9  |
| 77.5° | 871.1  | 666.9  | 545.1  | 373.8  | 217.4  | 135.0  | 90.6   | 62.6  | 44.5  | 31.3  | 21.4  |
| 80°   | 688.3  | 457.8  | 273.4  | 169.6  | 128.4  | 97.2   | 69.2   | 51.0  | 32.9  | 19.8  | 14.8  |
| 82.5° | 352.4  | 192.7  | 141.6  | 115.3  | 95.5   | 75.8   | 56.0   | 36.2  | 21.4  | 13.2  | 11.5  |
| 85°   | 110.3  | 80.7   | 72.5   | 70.8   | 65.9   | 54.3   | 39.5   | 23.1  | 13.2  | 8.2   | 8.2   |
| 87.5° | 8.2    | 11.5   | 14.8   | 11.5   | 13.2   | 11.5   | 14.8   | 9.9   | 6.6   | 6.6   | 4.9   |
| 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):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 759.2 | 759.2 | 759.2 | 759.2 | 759.2 | 759.2 | 759.2 | 759.2 | 759.2 | 759.2 | 759.2 |
| 2.5°  | 691.6 | 671.9 | 653.8 | 642.2 | 620.8 | 612.6 | 604.4 | 601.1 | 586.2 | 589.5 | 576.4 |
| 5°    | 604.4 | 569.8 | 543.4 | 517.1 | 492.4 | 474.3 | 459.4 | 441.3 | 426.5 | 419.9 | 406.7 |
| 7.5°  | 525.3 | 480.9 | 446.3 | 418.3 | 388.6 | 365.6 | 345.8 | 332.6 | 319.5 | 306.3 | 299.7 |
| 10°   | 456.1 | 408.4 | 368.9 | 340.9 | 312.9 | 293.1 | 278.3 | 268.4 | 260.2 | 255.2 | 253.6 |
| 12.5° | 391.9 | 345.8 | 309.6 | 284.9 | 263.5 | 253.6 | 247.0 | 242.1 | 240.4 | 238.8 | 238.8 |
| 15°   | 342.5 | 296.4 | 268.4 | 250.3 | 240.4 | 235.5 | 233.8 | 230.5 | 227.3 | 225.6 | 225.6 |
| 17.5° | 296.4 | 261.8 | 242.1 | 232.2 | 227.3 | 224.0 | 220.7 | 217.4 | 214.1 | 212.4 | 212.4 |
| 20°   | 265.1 | 237.1 | 227.3 | 220.7 | 215.7 | 212.4 | 207.5 | 204.2 | 202.6 | 200.9 | 199.3 |
| 22.5° | 240.4 | 222.3 | 215.7 | 210.8 | 204.2 | 199.3 | 196.0 | 192.7 | 189.4 | 187.7 | 186.1 |
| 25°   | 222.3 | 210.8 | 205.8 | 199.3 | 192.7 | 187.7 | 182.8 | 177.8 | 174.6 | 172.9 | 169.6 |
| 27.5° | 209.1 | 200.9 | 194.3 | 186.1 | 179.5 | 174.6 | 169.6 | 164.7 | 161.4 | 158.1 | 156.4 |
| 30°   | 197.6 | 189.4 | 181.1 | 174.6 | 166.3 | 161.4 | 154.8 | 149.9 | 148.2 | 144.9 | 141.6 |
| 32.5° | 186.1 | 177.8 | 169.6 | 161.4 | 153.1 | 146.6 | 143.3 | 136.7 | 133.4 | 131.7 | 128.4 |
| 35°   | 172.9 | 164.7 | 154.8 | 148.2 | 140.0 | 133.4 | 128.4 | 123.5 | 120.2 | 116.9 | 115.3 |
| 37.5° | 161.4 | 151.5 | 141.6 | 133.4 | 126.8 | 120.2 | 115.3 | 110.3 | 107.0 | 103.7 | 102.1 |
| 40°   | 148.2 | 138.3 | 128.4 | 120.2 | 113.6 | 108.7 | 103.7 | 98.8  | 95.5  | 93.9  | 93.9  |
| 42.5° | 136.7 | 125.2 | 115.3 | 108.7 | 103.7 | 97.2  | 92.2  | 87.3  | 85.6  | 84.0  | 85.6  |
| 45°   | 125.2 | 113.6 | 105.4 | 98.8  | 93.9  | 87.3  | 82.3  | 79.0  | 77.4  | 79.0  | 80.7  |
| 47.5° | 115.3 | 103.7 | 95.5  | 90.6  | 85.6  | 80.7  | 75.8  | 72.5  | 72.5  | 75.8  | 79.0  |
| 50°   | 105.4 | 93.9  | 87.3  | 84.0  | 79.0  | 74.1  | 67.5  | 65.9  | 67.5  | 70.8  | 74.1  |
| 52.5° | 95.5  | 82.3  | 77.4  | 75.8  | 70.8  | 65.9  | 60.9  | 59.3  | 60.9  | 64.2  | 62.6  |
| 55°   | 85.6  | 72.5  | 70.8  | 69.2  | 64.2  | 57.6  | 52.7  | 52.7  | 52.7  | 51.0  | 47.8  |
| 57.5° | 82.3  | 64.2  | 62.6  | 60.9  | 56.0  | 49.4  | 46.1  | 42.8  | 41.2  | 36.2  | 34.6  |
| 60°   | 85.6  | 57.6  | 57.6  | 54.3  | 49.4  | 42.8  | 37.9  | 32.9  | 29.6  | 26.3  | 26.3  |
| 62.5° | 69.2  | 52.7  | 51.0  | 47.8  | 41.2  | 34.6  | 29.6  | 24.7  | 23.1  | 21.4  | 21.4  |
| 65°   | 56.0  | 47.8  | 44.5  | 39.5  | 34.6  | 28.0  | 23.1  | 19.8  | 18.1  | 18.1  | 19.8  |
| 67.5° | 51.0  | 42.8  | 37.9  | 32.9  | 28.0  | 21.4  | 18.1  | 16.5  | 16.5  | 18.1  | 18.1  |
| 69°   | 47.8  | 39.5  | 34.6  | 29.6  | 24.7  | 19.8  | 16.5  | 16.5  | 16.5  | 16.5  | 18.1  |
| 70°   | 44.5  | 37.9  | 32.9  | 28.0  | 21.4  | 16.5  | 14.8  | 14.8  | 16.5  | 16.5  | 18.1  |
| 72.5° | 34.6  | 29.6  | 28.0  | 23.1  | 16.5  | 14.8  | 13.2  | 14.8  | 14.8  | 16.5  | 16.5  |
| 75°   | 26.3  | 21.4  | 21.4  | 18.1  | 13.2  | 11.5  | 11.5  | 13.2  | 13.2  | 14.8  | 14.8  |
| 77.5° | 18.1  | 14.8  | 14.8  | 13.2  | 11.5  | 9.9   | 9.9   | 11.5  | 13.2  | 13.2  | 14.8  |
| 80°   | 13.2  | 11.5  | 9.9   | 11.5  | 9.9   | 8.2   | 9.9   | 11.5  | 11.5  | 13.2  | 13.2  |
| 82.5° | 9.9   | 9.9   | 9.9   | 9.9   | 8.2   | 8.2   | 9.9   | 9.9   | 11.5  | 13.2  | 13.2  |
| 85°   | 8.2   | 8.2   | 8.2   | 8.2   | 8.2   | 8.2   | 8.2   | 9.9   | 9.9   | 11.5  | 11.5  |
| 87.5° | 4.9   | 4.9   | 4.9   | 6.6   | 6.6   | 8.2   | 8.2   | 8.2   | 8.2   | 9.9   | 9.9   |
| 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°    | 759.2 | 759.2 | 759.2 | 759.2 |
| 2.5°  | 573.1 | 571.4 | 564.8 | 566.5 |
| 5°    | 401.8 | 391.9 | 398.5 | 396.9 |
| 7.5°  | 294.8 | 293.1 | 291.5 | 294.8 |
| 10°   | 252.0 | 252.0 | 250.3 | 252.0 |
| 12.5° | 237.1 | 237.1 | 237.1 | 237.1 |
| 15°   | 225.6 | 225.6 | 224.0 | 224.0 |
| 17.5° | 212.4 | 212.4 | 212.4 | 210.8 |
| 20°   | 199.3 | 197.6 | 197.6 | 197.6 |
| 22.5° | 184.4 | 182.8 | 182.8 | 182.8 |
| 25°   | 169.6 | 168.0 | 168.0 | 168.0 |
| 27.5° | 154.8 | 153.1 | 151.5 | 151.5 |
| 30°   | 140.0 | 138.3 | 136.7 | 136.7 |
| 32.5° | 125.2 | 123.5 | 121.9 | 121.9 |
| 35°   | 112.0 | 112.0 | 110.3 | 108.7 |
| 37.5° | 100.5 | 100.5 | 100.5 | 100.5 |
| 40°   | 92.2  | 93.9  | 93.9  | 93.9  |
| 42.5° | 87.3  | 88.9  | 90.6  | 92.2  |
| 45°   | 84.0  | 87.3  | 88.9  | 88.9  |
| 47.5° | 82.3  | 84.0  | 85.6  | 85.6  |
| 50°   | 75.8  | 74.1  | 74.1  | 74.1  |
| 52.5° | 60.9  | 57.6  | 56.0  | 54.3  |
| 55°   | 44.5  | 42.8  | 39.5  | 39.5  |
| 57.5° | 31.3  | 31.3  | 29.6  | 29.6  |
| 60°   | 24.7  | 24.7  | 23.1  | 24.7  |
| 62.5° | 21.4  | 21.4  | 21.4  | 21.4  |
| 65°   | 19.8  | 19.8  | 19.8  | 19.8  |
| 67.5° | 19.8  | 19.8  | 19.8  | 19.8  |
| 69°   | 18.1  | 18.1  | 18.1  | 18.1  |
| 70°   | 18.1  | 18.1  | 18.1  | 18.1  |
| 72.5° | 16.5  | 16.5  | 16.5  | 16.5  |
| 75°   | 14.8  | 16.5  | 16.5  | 16.5  |
| 77.5° | 14.8  | 14.8  | 14.8  | 14.8  |
| 80°   | 13.2  | 13.2  | 14.8  | 14.8  |
| 82.5° | 13.2  | 13.2  | 13.2  | 13.2  |
| 85°   | 11.5  | 11.5  | 13.2  | 13.2  |
| 87.5° | 9.9   | 9.9   | 11.5  | 11.5  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)