

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: P165499

Luminaire Tested: **VST-E06-LED-E-U-SL4-HSS-7060**

Issue Date: 3/3/2020

#### Test Information

Test Method: LM-79-08  
Report Number: P165499  
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-E06-LED-E-U-SL4-HSS-7060  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (126) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12377.9 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 150.5  
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

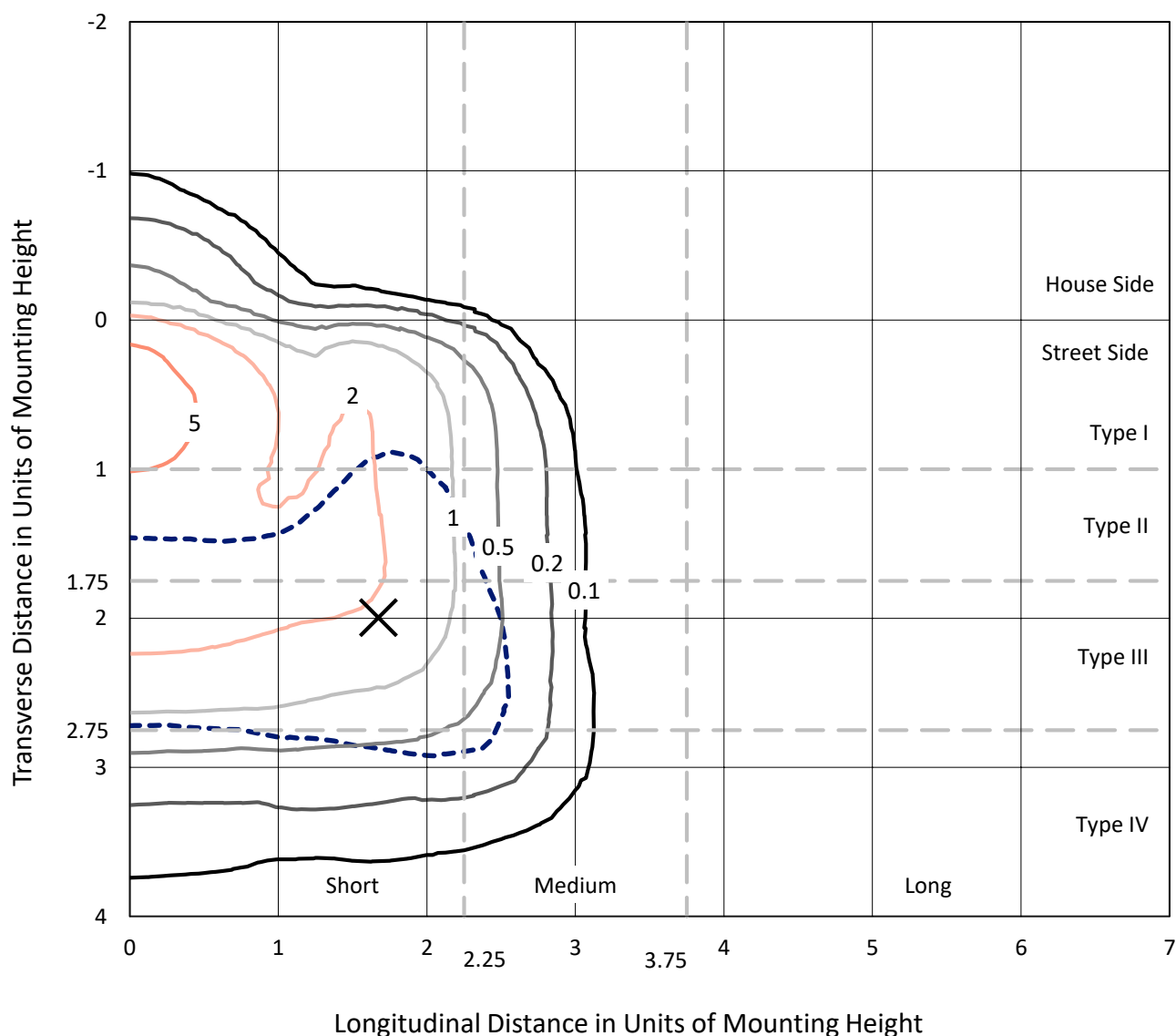


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

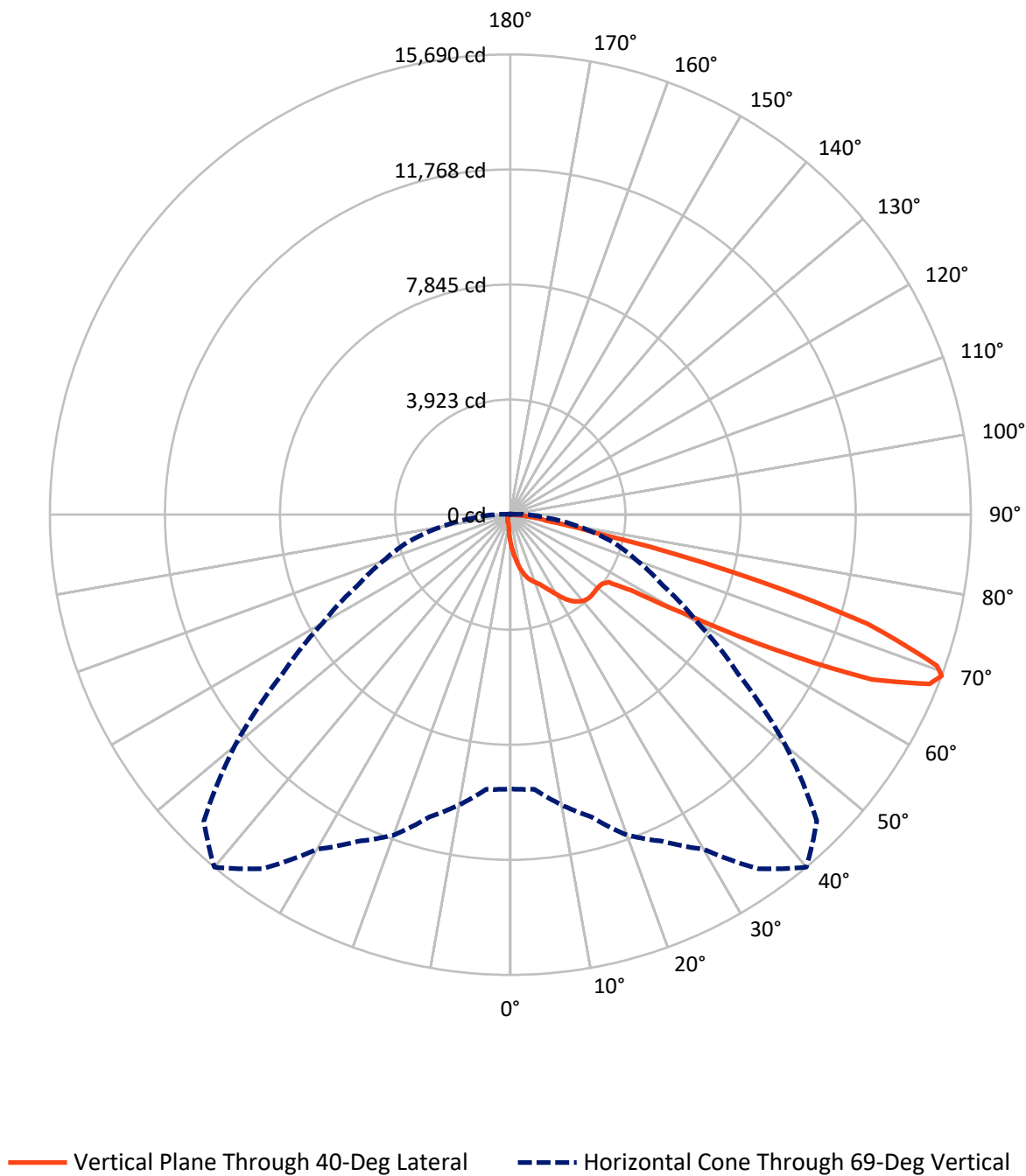


Based on 20 foot mounting height. Maximum calculated value = 6.9 fc  
 Type IV - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 368.6    | 0.0    | 368.6   |
|                    | % Fixture | 3.0      | 0.0    | 3.0     |
| <b>Street Side</b> | Lumens    | 12009.2  | 0.0    | 12009.2 |
|                    | % Fixture | 97.0     | 0.0    | 97.0    |
| <b>Total</b>       | Lumens    | 12377.9  | 0.0    | 12377.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 96.1    | 0.8       |
| 10°-20°   | 331.3   | 2.7       |
| 20°-30°   | 634.0   | 5.1       |
| 30°-40°   | 1054.4  | 8.5       |
| 40°-50°   | 1426.7  | 11.5      |
| 50°-60°   | 2231.3  | 18.0      |
| 60°-70°   | 4587.5  | 37.1      |
| 70°-80°   | 1845.9  | 14.9      |
| 80°-90°   | 170.8   | 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°    | 12377.9 | 100.0     |
| 0°-180°   | 12377.9 | 100.0     |

**Coefficient of Utilization**



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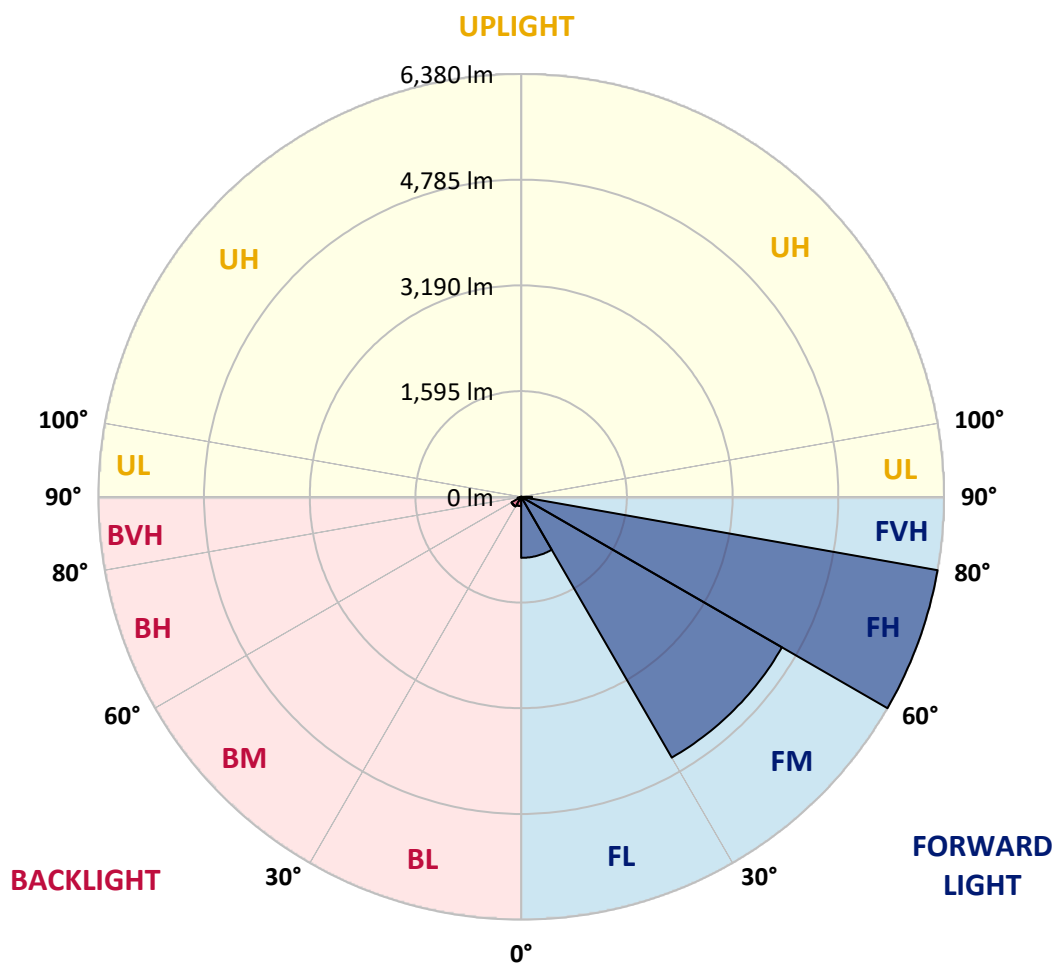
CATALOG NUMBER: VST-E06-LED-E-U-SL4-HSS-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 921.2  | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 4544.1 | 36.7      |                         |      |         |
| FH   | (60°-80°)   | 6379.6 | 51.5      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 164.4  | 1.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 140.2  | 1.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 168.3  | 1.4       | B0/220                  |      |         |
| BH   | (60°-80°)   | 53.8   | 0.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 6.4    | 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°    | 934.8   | 934.8   | 934.8   | 934.8   | 934.8   | 934.8   | 934.8   | 934.8   | 934.8   | 934.8   | 934.8   |
| 2.5°  | 1247.1  | 1232.8  | 1216.6  | 1216.6  | 1196.4  | 1196.4  | 1184.2  | 1151.8  | 1147.7  | 1129.4  | 1111.1  |
| 5°    | 1591.7  | 1579.5  | 1559.4  | 1541.0  | 1524.9  | 1496.4  | 1476.1  | 1437.6  | 1395.1  | 1354.5  | 1318.0  |
| 7.5°  | 1928.4  | 1922.2  | 1885.8  | 1879.6  | 1853.3  | 1806.7  | 1766.1  | 1709.3  | 1636.3  | 1579.5  | 1512.7  |
| 10°   | 2240.6  | 2226.4  | 2218.2  | 2183.8  | 2145.3  | 2094.6  | 2031.7  | 1962.9  | 1877.6  | 1788.4  | 1693.1  |
| 12.5° | 2488.0  | 2479.9  | 2443.3  | 2429.2  | 2388.7  | 2337.9  | 2258.9  | 2169.6  | 2084.5  | 1968.9  | 1857.3  |
| 15°   | 2672.5  | 2658.3  | 2633.9  | 2611.6  | 2563.0  | 2518.4  | 2445.4  | 2348.0  | 2244.7  | 2119.0  | 1985.1  |
| 17.5° | 2826.6  | 2800.3  | 2794.1  | 2759.6  | 2709.0  | 2656.2  | 2575.2  | 2485.9  | 2364.3  | 2238.6  | 2092.5  |
| 20°   | 3033.4  | 2996.9  | 2984.7  | 2934.0  | 2875.3  | 2802.3  | 2709.0  | 2597.5  | 2469.7  | 2331.9  | 2181.8  |
| 22.5° | 3276.7  | 3250.3  | 3224.0  | 3179.4  | 3104.4  | 3001.0  | 2865.2  | 2743.5  | 2581.2  | 2429.2  | 2267.0  |
| 25°   | 3621.5  | 3599.2  | 3556.6  | 3495.7  | 3402.4  | 3278.8  | 3114.5  | 2936.1  | 2745.5  | 2550.8  | 2360.2  |
| 27.5° | 3956.0  | 3935.7  | 3905.3  | 3858.7  | 3753.2  | 3617.4  | 3414.6  | 3187.5  | 2946.2  | 2711.0  | 2500.1  |
| 30°   | 4270.4  | 4252.0  | 4221.6  | 4175.1  | 4081.7  | 3947.9  | 3718.7  | 3475.4  | 3175.3  | 2901.6  | 2648.2  |
| 32.5° | 4609.0  | 4602.8  | 4568.3  | 4501.5  | 4420.3  | 4239.9  | 3990.5  | 3728.9  | 3424.8  | 3108.5  | 2812.3  |
| 35°   | 4992.2  | 4945.5  | 4913.1  | 4846.1  | 4708.3  | 4515.6  | 4223.7  | 3937.8  | 3617.4  | 3292.9  | 2962.4  |
| 37.5° | 5316.6  | 5272.0  | 5231.4  | 5146.3  | 4978.0  | 4732.6  | 4402.1  | 4087.8  | 3757.3  | 3426.8  | 3090.1  |
| 40°   | 5553.8  | 5531.5  | 5482.9  | 5371.3  | 5182.8  | 4890.8  | 4533.9  | 4191.2  | 3858.7  | 3526.1  | 3193.6  |
| 42.5° | 5730.2  | 5695.7  | 5641.1  | 5525.5  | 5302.5  | 4969.9  | 4586.6  | 4233.8  | 3905.3  | 3587.0  | 3260.6  |
| 45°   | 5795.1  | 5766.8  | 5716.1  | 5590.3  | 5349.0  | 4992.2  | 4584.6  | 4221.6  | 3907.4  | 3605.2  | 3305.1  |
| 47.5° | 5756.6  | 5728.3  | 5683.6  | 5566.0  | 5328.8  | 4965.8  | 4548.2  | 4187.1  | 3887.1  | 3611.4  | 3345.6  |
| 50°   | 5628.9  | 5612.6  | 5578.2  | 5478.8  | 5265.9  | 4915.1  | 4515.6  | 4168.9  | 3883.0  | 3641.8  | 3402.4  |
| 52.5° | 5616.7  | 5606.6  | 5564.0  | 5464.6  | 5247.7  | 4898.8  | 4511.6  | 4179.1  | 3917.5  | 3680.3  | 3443.0  |
| 55°   | 6863.7  | 6719.7  | 6397.4  | 6123.6  | 5673.5  | 5138.2  | 4716.4  | 4343.3  | 4063.5  | 3832.4  | 3666.0  |
| 57.5° | 9755.2  | 9540.3  | 9116.5  | 8595.4  | 7561.2  | 6545.4  | 5732.3  | 5144.2  | 4854.3  | 4748.9  | 4811.7  |
| 60°   | 11109.6 | 11071.2 | 11004.2 | 10756.9 | 10227.6 | 9353.8  | 8380.4  | 7328.1  | 6906.3  | 6869.8  | 6997.5  |
| 62.5° | 11752.5 | 11728.1 | 11748.5 | 11718.0 | 11553.8 | 11298.3 | 11018.4 | 10564.3 | 10146.5 | 9876.8  | 9305.0  |
| 65°   | 12048.5 | 12064.8 | 12180.3 | 12271.5 | 12291.8 | 12358.7 | 12563.6 | 13129.3 | 13542.9 | 12847.4 | 11259.7 |
| 67.5° | 11296.2 | 11391.5 | 11657.2 | 11989.7 | 12379.0 | 12756.2 | 13364.4 | 14556.7 | 15406.4 | 14589.2 | 12334.4 |
| 69°   | 9351.7  | 9398.3  | 10047.1 | 10673.8 | 11624.7 | 12289.9 | 13171.9 | 14735.2 | 15690.3 | 14767.7 | 12249.2 |
| 70°   | 7362.5  | 7405.1  | 8100.7  | 8952.2  | 10560.2 | 11415.9 | 12569.6 | 14433.1 | 15424.6 | 14530.4 | 11811.3 |
| 72.5° | 3321.4  | 3260.6  | 3505.8  | 3962.0  | 5709.9  | 7068.6  | 9086.1  | 11693.7 | 12725.8 | 11641.0 | 8836.6  |
| 75°   | 2319.7  | 2293.3  | 2319.7  | 2321.7  | 2593.4  | 3345.6  | 4221.6  | 6338.5  | 7839.0  | 6764.4  | 4221.6  |
| 77.5° | 1796.5  | 1778.3  | 1760.1  | 1739.7  | 1772.2  | 1985.1  | 2070.2  | 2248.6  | 2919.8  | 2761.7  | 1610.0  |
| 80°   | 1421.4  | 1405.2  | 1449.8  | 1435.6  | 1435.6  | 1460.0  | 1443.7  | 1376.7  | 1251.0  | 1159.8  | 1038.1  |
| 82.5° | 661.0   | 665.0   | 665.0   | 721.8   | 869.9   | 1015.8  | 1062.5  | 995.7   | 884.1   | 752.2   | 606.3   |
| 85°   | 62.8    | 70.9    | 119.7   | 184.6   | 367.1   | 413.6   | 415.7   | 344.6   | 344.6   | 271.8   | 218.9   |
| 87.5° | 0.0     | 2.0     | 2.0     | 2.0     | 18.2    | 50.7    | 42.6    | 12.2    | 6.0     | 6.0     | 10.1    |
| 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):**

|       | 55°     | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°   | 100°  | 105°  |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 934.8   | 934.8  | 934.8  | 934.8  | 934.8  | 934.8  | 934.8  | 934.8  | 934.8 | 934.8 | 934.8 |
| 2.5°  | 1078.8  | 1072.6 | 1048.4 | 1024.0 | 1001.7 | 977.3  | 955.0  | 932.7  | 908.3 | 890.1 | 867.8 |
| 5°    | 1261.2  | 1216.6 | 1165.9 | 1117.3 | 1068.5 | 1017.9 | 965.2  | 918.6  | 869.9 | 825.2 | 782.6 |
| 7.5°  | 1445.7  | 1358.5 | 1289.6 | 1202.4 | 1123.3 | 1044.3 | 971.3  | 896.3  | 827.3 | 762.4 | 701.6 |
| 10°   | 1601.8  | 1496.4 | 1388.9 | 1277.5 | 1163.8 | 1058.4 | 957.1  | 867.8  | 776.6 | 697.5 | 622.6 |
| 12.5° | 1729.6  | 1595.8 | 1464.0 | 1324.0 | 1196.4 | 1062.5 | 936.8  | 829.3  | 721.8 | 632.7 | 555.6 |
| 15°   | 1845.1  | 1691.1 | 1532.9 | 1370.7 | 1208.5 | 1056.5 | 916.5  | 782.6  | 673.2 | 571.8 | 484.7 |
| 17.5° | 1938.5  | 1762.0 | 1583.6 | 1401.1 | 1226.8 | 1048.4 | 890.1  | 750.2  | 622.6 | 517.0 | 431.9 |
| 20°   | 2019.6  | 1835.0 | 1642.5 | 1437.6 | 1239.0 | 1046.3 | 867.8  | 709.7  | 577.9 | 466.4 | 383.2 |
| 22.5° | 2094.6  | 1910.0 | 1703.3 | 1484.2 | 1257.2 | 1044.3 | 847.5  | 679.3  | 539.3 | 427.9 | 344.6 |
| 25°   | 2179.8  | 1985.1 | 1768.2 | 1532.9 | 1289.6 | 1052.4 | 835.5  | 654.9  | 504.8 | 391.3 | 314.2 |
| 27.5° | 2275.1  | 2070.2 | 1845.1 | 1593.7 | 1332.2 | 1068.5 | 831.4  | 628.6  | 474.4 | 356.8 | 290.0 |
| 30°   | 2408.8  | 2171.7 | 1922.2 | 1654.5 | 1370.7 | 1086.9 | 827.3  | 612.3  | 444.0 | 330.5 | 265.6 |
| 32.5° | 2526.6  | 2271.1 | 2007.4 | 1717.5 | 1413.3 | 1105.1 | 825.2  | 590.1  | 415.7 | 304.1 | 247.4 |
| 35°   | 2650.2  | 2362.3 | 2080.4 | 1778.3 | 1449.8 | 1125.3 | 823.3  | 573.8  | 389.3 | 277.8 | 229.1 |
| 37.5° | 2757.7  | 2439.3 | 2137.2 | 1831.0 | 1490.4 | 1143.7 | 825.2  | 559.6  | 365.0 | 255.5 | 212.9 |
| 40°   | 2848.9  | 2518.4 | 2200.0 | 1879.6 | 1532.9 | 1172.0 | 827.3  | 545.5  | 340.7 | 235.2 | 198.7 |
| 42.5° | 2930.1  | 2593.4 | 2267.0 | 1934.4 | 1581.6 | 1204.5 | 839.5  | 533.3  | 320.4 | 217.0 | 184.6 |
| 45°   | 2992.9  | 2662.4 | 2339.9 | 2011.5 | 1660.7 | 1257.2 | 861.8  | 525.2  | 300.1 | 200.7 | 172.4 |
| 47.5° | 3057.8  | 2763.7 | 2463.6 | 2133.2 | 1776.3 | 1340.3 | 900.3  | 523.2  | 283.8 | 188.5 | 162.2 |
| 50°   | 3147.0  | 2865.2 | 2573.1 | 2256.8 | 1881.7 | 1425.5 | 946.9  | 525.2  | 263.6 | 176.4 | 152.1 |
| 52.5° | 3211.9  | 2968.5 | 2715.1 | 2471.8 | 2133.2 | 1684.9 | 1127.4 | 561.6  | 253.4 | 166.2 | 139.9 |
| 55°   | 3595.1  | 3552.5 | 3558.5 | 3599.2 | 3337.6 | 2867.1 | 1885.8 | 811.1  | 298.1 | 188.5 | 137.9 |
| 57.5° | 5069.2  | 5219.2 | 5306.4 | 5304.4 | 4872.5 | 4041.2 | 2532.6 | 1042.2 | 332.6 | 218.9 | 164.3 |
| 60°   | 7007.7  | 6894.2 | 6734.0 | 6338.5 | 5764.7 | 4613.0 | 2832.7 | 1121.4 | 287.9 | 174.4 | 150.1 |
| 62.5° | 8721.1  | 8056.0 | 7465.9 | 6825.2 | 6072.9 | 4811.7 | 2893.5 | 1115.2 | 251.4 | 131.8 | 105.4 |
| 65°   | 9789.7  | 8593.3 | 7640.4 | 6837.3 | 5951.2 | 4645.4 | 2737.4 | 1024.0 | 212.9 | 107.5 | 87.2  |
| 67.5° | 10045.2 | 8303.3 | 6955.0 | 5930.9 | 4971.9 | 3615.4 | 2009.4 | 770.6  | 166.2 | 89.3  | 77.1  |
| 69°   | 9487.5  | 7380.8 | 5762.7 | 4600.9 | 3617.4 | 2398.7 | 1243.0 | 486.6  | 127.7 | 81.1  | 70.9  |
| 70°   | 8727.1  | 6419.6 | 4694.1 | 3692.4 | 2678.6 | 1684.9 | 869.9  | 342.7  | 103.4 | 75.0  | 64.9  |
| 72.5° | 5614.7  | 3372.0 | 2307.5 | 1605.9 | 1105.1 | 671.2  | 340.7  | 154.2  | 79.1  | 62.8  | 52.7  |
| 75°   | 2177.7  | 1247.1 | 904.4  | 687.3  | 537.4  | 373.1  | 206.9  | 99.4   | 66.9  | 52.7  | 40.5  |
| 77.5° | 1072.6  | 821.2  | 671.2  | 460.3  | 267.7  | 166.2  | 111.6  | 77.1   | 54.8  | 38.5  | 26.4  |
| 80°   | 847.5   | 563.7  | 336.6  | 208.8  | 158.1  | 119.7  | 85.2   | 62.8   | 40.5  | 24.4  | 18.2  |
| 82.5° | 433.9   | 237.3  | 174.4  | 142.0  | 117.6  | 93.3   | 69.0   | 44.6   | 26.4  | 16.3  | 14.2  |
| 85°   | 135.8   | 99.4   | 89.3   | 87.2   | 81.1   | 66.9   | 48.6   | 28.4   | 16.3  | 10.1  | 10.1  |
| 87.5° | 10.1    | 14.2   | 18.2   | 14.2   | 16.3   | 14.2   | 18.2   | 12.2   | 8.1   | 8.1   | 6.0   |
| 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°    | 934.8 | 934.8 | 934.8 | 934.8 | 934.8 | 934.8 | 934.8 | 934.8 | 934.8 | 934.8 | 934.8 |
| 2.5°  | 851.6 | 827.3 | 805.0 | 790.8 | 764.4 | 754.3 | 744.2 | 740.2 | 721.8 | 725.9 | 709.7 |
| 5°    | 744.2 | 701.6 | 669.1 | 636.7 | 606.3 | 584.0 | 565.7 | 543.4 | 525.2 | 517.0 | 500.8 |
| 7.5°  | 646.8 | 592.1 | 549.5 | 515.1 | 478.5 | 450.2 | 425.8 | 409.5 | 393.4 | 377.2 | 369.0 |
| 10°   | 561.6 | 502.9 | 454.2 | 419.8 | 385.3 | 360.9 | 342.7 | 330.5 | 320.4 | 314.2 | 312.3 |
| 12.5° | 482.6 | 425.8 | 381.2 | 350.8 | 324.5 | 312.3 | 304.1 | 298.1 | 296.0 | 294.0 | 294.0 |
| 15°   | 421.7 | 365.0 | 330.5 | 308.2 | 296.0 | 290.0 | 287.9 | 283.8 | 279.9 | 277.8 | 277.8 |
| 17.5° | 365.0 | 322.4 | 298.1 | 285.9 | 279.9 | 275.8 | 271.8 | 267.7 | 263.6 | 261.5 | 261.5 |
| 20°   | 326.4 | 291.9 | 279.9 | 271.8 | 265.6 | 261.5 | 255.5 | 251.4 | 249.5 | 247.4 | 245.4 |
| 22.5° | 296.0 | 273.7 | 265.6 | 259.6 | 251.4 | 245.4 | 241.3 | 237.3 | 233.2 | 231.1 | 229.1 |
| 25°   | 273.7 | 259.6 | 253.4 | 245.4 | 237.3 | 231.1 | 225.1 | 218.9 | 215.0 | 212.9 | 208.8 |
| 27.5° | 257.5 | 247.4 | 239.2 | 229.1 | 221.0 | 215.0 | 208.8 | 202.8 | 198.7 | 194.7 | 192.6 |
| 30°   | 243.3 | 233.2 | 223.0 | 215.0 | 204.8 | 198.7 | 190.6 | 184.6 | 182.5 | 178.4 | 174.4 |
| 32.5° | 229.1 | 218.9 | 208.8 | 198.7 | 188.5 | 180.5 | 176.4 | 168.3 | 164.3 | 162.2 | 158.1 |
| 35°   | 212.9 | 202.8 | 190.6 | 182.5 | 172.4 | 164.3 | 158.1 | 152.1 | 148.0 | 143.9 | 142.0 |
| 37.5° | 198.7 | 186.5 | 174.4 | 164.3 | 156.1 | 148.0 | 142.0 | 135.8 | 131.8 | 127.7 | 125.7 |
| 40°   | 182.5 | 170.3 | 158.1 | 148.0 | 139.9 | 133.8 | 127.7 | 121.7 | 117.6 | 115.6 | 115.6 |
| 42.5° | 168.3 | 154.2 | 142.0 | 133.8 | 127.7 | 119.7 | 113.5 | 107.5 | 105.4 | 103.4 | 105.4 |
| 45°   | 154.2 | 139.9 | 129.8 | 121.7 | 115.6 | 107.5 | 101.3 | 97.3  | 95.3  | 97.3  | 99.4  |
| 47.5° | 142.0 | 127.7 | 117.6 | 111.6 | 105.4 | 99.4  | 93.3  | 89.3  | 89.3  | 93.3  | 97.3  |
| 50°   | 129.8 | 115.6 | 107.5 | 103.4 | 97.3  | 91.2  | 83.1  | 81.1  | 83.1  | 87.2  | 91.2  |
| 52.5° | 117.6 | 101.3 | 95.3  | 93.3  | 87.2  | 81.1  | 75.0  | 73.0  | 75.0  | 79.1  | 77.1  |
| 55°   | 105.4 | 89.3  | 87.2  | 85.2  | 79.1  | 70.9  | 64.9  | 64.9  | 64.9  | 62.8  | 58.9  |
| 57.5° | 101.3 | 79.1  | 77.1  | 75.0  | 69.0  | 60.8  | 56.8  | 52.7  | 50.7  | 44.6  | 42.6  |
| 60°   | 105.4 | 70.9  | 70.9  | 66.9  | 60.8  | 52.7  | 46.7  | 40.5  | 36.4  | 32.4  | 32.4  |
| 62.5° | 85.2  | 64.9  | 62.8  | 58.9  | 50.7  | 42.6  | 36.4  | 30.4  | 28.4  | 26.4  | 26.4  |
| 65°   | 69.0  | 58.9  | 54.8  | 48.6  | 42.6  | 34.5  | 28.4  | 24.4  | 22.3  | 22.3  | 24.4  |
| 67.5° | 62.8  | 52.7  | 46.7  | 40.5  | 34.5  | 26.4  | 22.3  | 20.3  | 20.3  | 22.3  | 22.3  |
| 69°   | 58.9  | 48.6  | 42.6  | 36.4  | 30.4  | 24.4  | 20.3  | 20.3  | 20.3  | 20.3  | 22.3  |
| 70°   | 54.8  | 46.7  | 40.5  | 34.5  | 26.4  | 20.3  | 18.2  | 18.2  | 20.3  | 20.3  | 22.3  |
| 72.5° | 42.6  | 36.4  | 34.5  | 28.4  | 20.3  | 18.2  | 16.3  | 18.2  | 18.2  | 20.3  | 20.3  |
| 75°   | 32.4  | 26.4  | 26.4  | 22.3  | 16.3  | 14.2  | 14.2  | 16.3  | 16.3  | 18.2  | 18.2  |
| 77.5° | 22.3  | 18.2  | 18.2  | 16.3  | 14.2  | 12.2  | 12.2  | 14.2  | 16.3  | 16.3  | 18.2  |
| 80°   | 16.3  | 14.2  | 12.2  | 14.2  | 12.2  | 10.1  | 12.2  | 14.2  | 14.2  | 16.3  | 16.3  |
| 82.5° | 12.2  | 12.2  | 12.2  | 12.2  | 10.1  | 10.1  | 12.2  | 12.2  | 14.2  | 16.3  | 16.3  |
| 85°   | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  | 12.2  | 12.2  | 14.2  | 14.2  |
| 87.5° | 6.0   | 6.0   | 6.0   | 8.1   | 8.1   | 10.1  | 10.1  | 10.1  | 10.1  | 12.2  | 12.2  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P165499

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**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 934.8 | 934.8 | 934.8 | 934.8 |
| 2.5°  | 705.7 | 703.6 | 695.5 | 697.5 |
| 5°    | 494.7 | 482.6 | 490.7 | 488.7 |
| 7.5°  | 363.0 | 360.9 | 358.9 | 363.0 |
| 10°   | 310.3 | 310.3 | 308.2 | 310.3 |
| 12.5° | 291.9 | 291.9 | 291.9 | 291.9 |
| 15°   | 277.8 | 277.8 | 275.8 | 275.8 |
| 17.5° | 261.5 | 261.5 | 261.5 | 259.6 |
| 20°   | 245.4 | 243.3 | 243.3 | 243.3 |
| 22.5° | 227.1 | 225.1 | 225.1 | 225.1 |
| 25°   | 208.8 | 206.9 | 206.9 | 206.9 |
| 27.5° | 190.6 | 188.5 | 186.5 | 186.5 |
| 30°   | 172.4 | 170.3 | 168.3 | 168.3 |
| 32.5° | 154.2 | 152.1 | 150.1 | 150.1 |
| 35°   | 137.9 | 137.9 | 135.8 | 133.8 |
| 37.5° | 123.7 | 123.7 | 123.7 | 123.7 |
| 40°   | 113.5 | 115.6 | 115.6 | 115.6 |
| 42.5° | 107.5 | 109.5 | 111.6 | 113.5 |
| 45°   | 103.4 | 107.5 | 109.5 | 109.5 |
| 47.5° | 101.3 | 103.4 | 105.4 | 105.4 |
| 50°   | 93.3  | 91.2  | 91.2  | 91.2  |
| 52.5° | 75.0  | 70.9  | 69.0  | 66.9  |
| 55°   | 54.8  | 52.7  | 48.6  | 48.6  |
| 57.5° | 38.5  | 38.5  | 36.4  | 36.4  |
| 60°   | 30.4  | 30.4  | 28.4  | 30.4  |
| 62.5° | 26.4  | 26.4  | 26.4  | 26.4  |
| 65°   | 24.4  | 24.4  | 24.4  | 24.4  |
| 67.5° | 24.4  | 24.4  | 24.4  | 24.4  |
| 69°   | 22.3  | 22.3  | 22.3  | 22.3  |
| 70°   | 22.3  | 22.3  | 22.3  | 22.3  |
| 72.5° | 20.3  | 20.3  | 20.3  | 20.3  |
| 75°   | 18.2  | 20.3  | 20.3  | 20.3  |
| 77.5° | 18.2  | 18.2  | 18.2  | 18.2  |
| 80°   | 16.3  | 16.3  | 18.2  | 18.2  |
| 82.5° | 16.3  | 16.3  | 16.3  | 16.3  |
| 85°   | 14.2  | 14.2  | 16.3  | 16.3  |
| 87.5° | 12.2  | 12.2  | 14.2  | 14.2  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)