

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: P158897

Luminaire Tested: **VST-F05-LED-E-U-SLL-7060**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P158897  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)  
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-SLL-7060  
Description: VENTUS LED SITE/ROADWAY LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (35) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 11381.7 lumens  
Efficiency: N/A  
Efficacy: 85.4 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

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

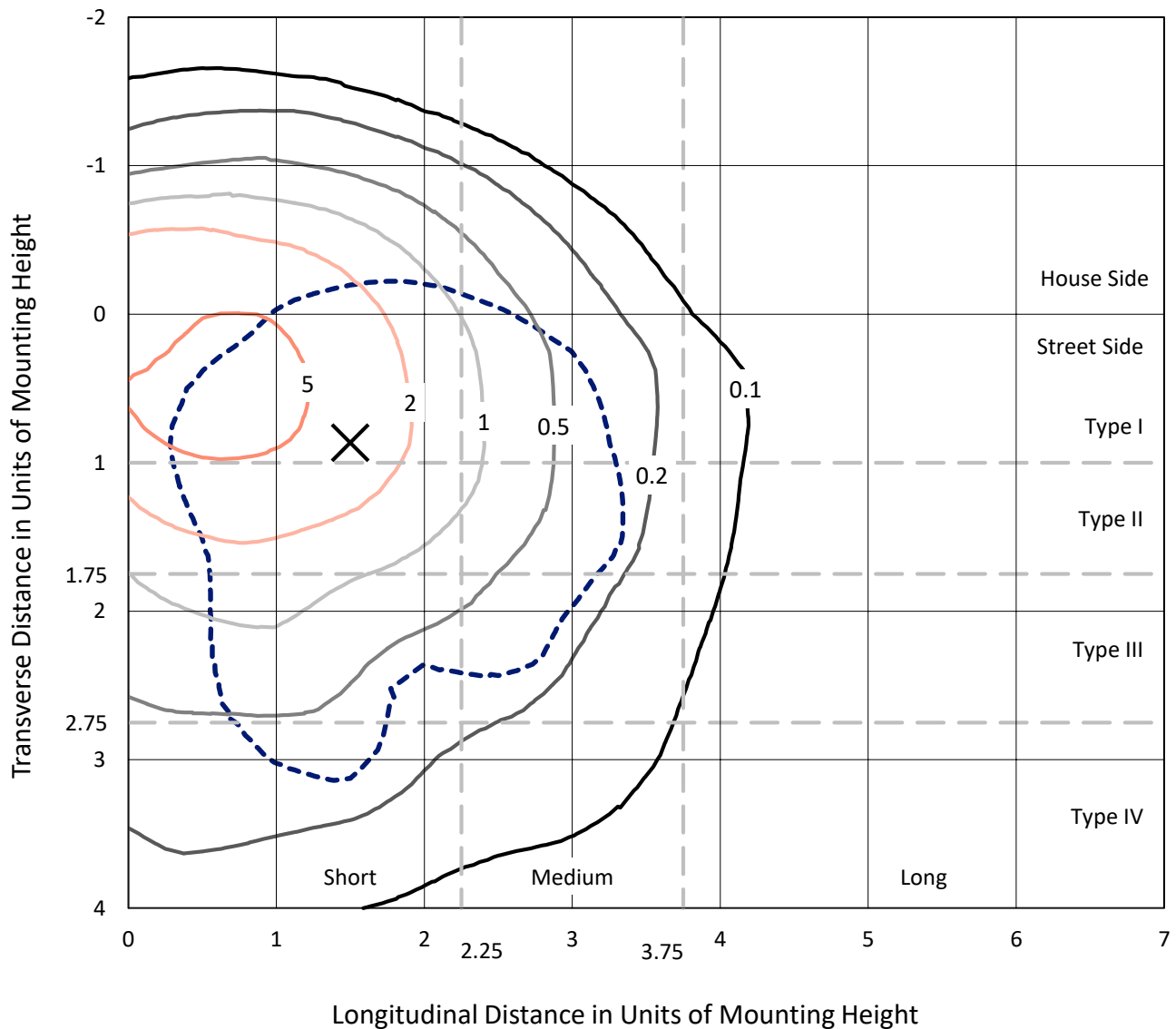


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

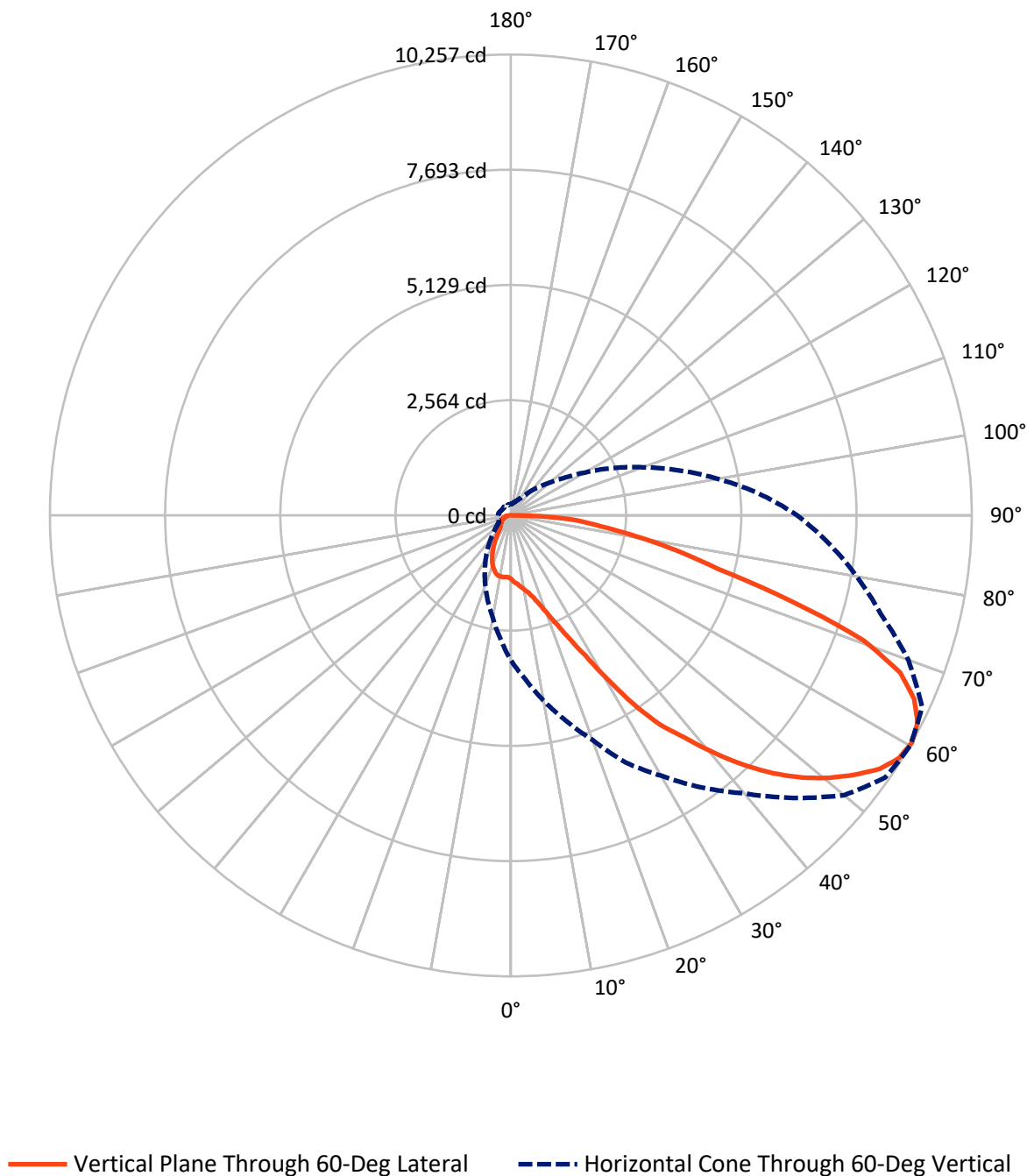


Based on 20 foot mounting height. Maximum calculated value = 8.2 fc  
Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2562.8   | 0.0    | 2562.8  |
|                    | % Fixture | 22.5     | 0.0    | 22.5    |
| <b>Street Side</b> | Lumens    | 8818.9   | 0.0    | 8818.9  |
|                    | % Fixture | 77.5     | 0.0    | 77.5    |
| <b>Total</b>       | Lumens    | 11381.7  | 0.0    | 11381.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 139.6   | 1.2       |
| 10°-20°   | 450.9   | 4.0       |
| 20°-30°   | 855.6   | 7.5       |
| 30°-40°   | 1347.4  | 11.8      |
| 40°-50°   | 1880.7  | 16.5      |
| 50°-60°   | 2325.9  | 20.4      |
| 60°-70°   | 2411.0  | 21.2      |
| 70°-80°   | 1517.1  | 13.3      |
| 80°-90°   | 453.5   | 4.0       |
| 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°    | 11381.7 | 100.0     |
| 0°-180°   | 11381.7 | 100.0     |

**Coefficient of Utilization**



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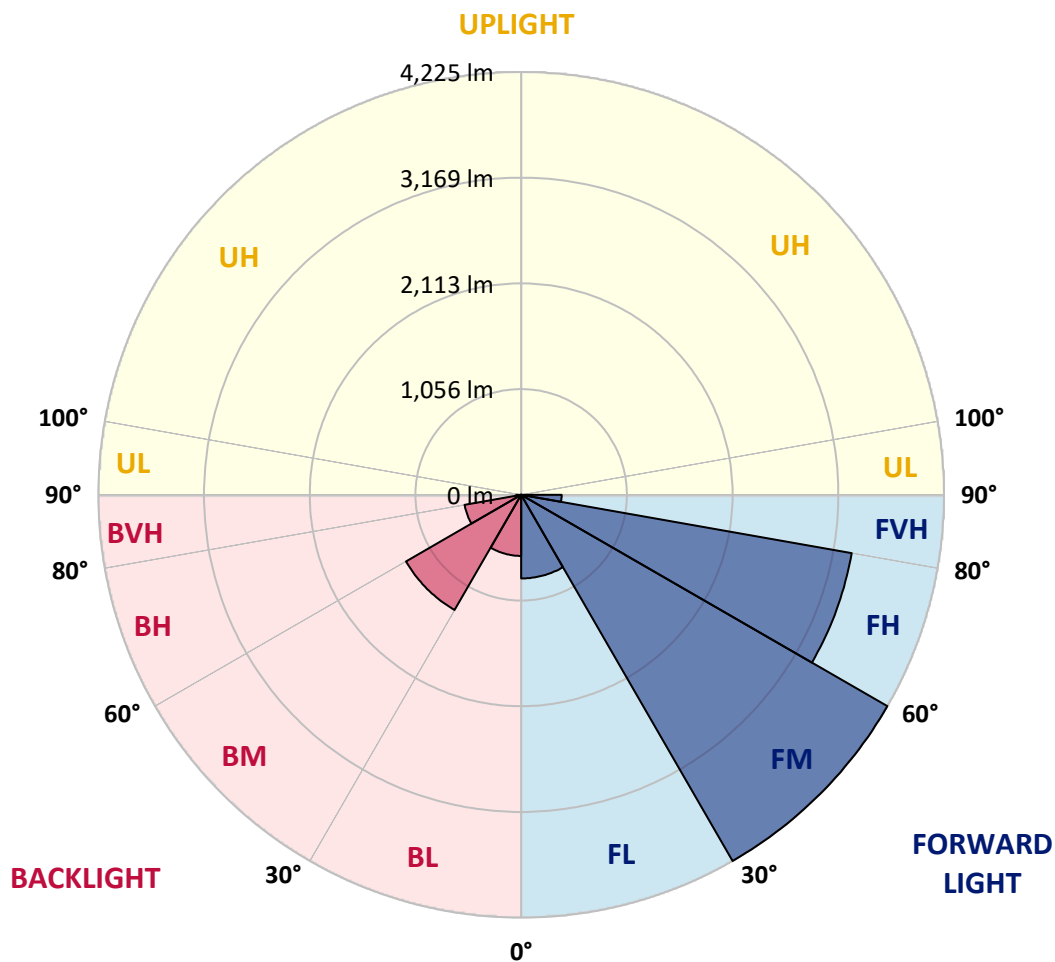
CATALOG NUMBER: VST-F05-LED-E-U-SLL-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 835.6  | 7.3       |                         |      |         |
| FM   | (30°-60°)   | 4225.1 | 37.1      |                         |      |         |
| FH   | (60°-80°)   | 3354.1 | 29.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 404.2  | 3.6       |                         |      | G3/500  |
| BL   | (0°-30°)    | 610.5  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1329.0 | 11.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 573.9  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 49.3   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Short





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CATALOG NUMBER: VST-F05-LED-E-U-SLL-7060

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 |
| 2.5°  | 1499.3 | 1497.6 | 1497.6 | 1497.6 | 1496.8 | 1495.1 | 1497.6 | 1496.8 | 1492.5 | 1490.0 | 1492.5 |
| 5°    | 1518.8 | 1519.7 | 1522.2 | 1523.0 | 1523.0 | 1525.6 | 1532.4 | 1533.2 | 1532.4 | 1534.1 | 1538.3 |
| 7.5°  | 1537.4 | 1541.7 | 1544.2 | 1548.5 | 1553.5 | 1557.8 | 1569.6 | 1581.5 | 1589.1 | 1595.0 | 1596.7 |
| 10°   | 1567.9 | 1574.7 | 1582.3 | 1593.3 | 1605.2 | 1626.4 | 1636.6 | 1648.4 | 1656.0 | 1667.9 | 1670.4 |
| 12.5° | 1645.9 | 1654.3 | 1659.4 | 1676.4 | 1691.6 | 1711.9 | 1726.3 | 1729.7 | 1747.5 | 1757.7 | 1769.5 |
| 15°   | 1777.2 | 1789.9 | 1807.7 | 1817.8 | 1834.8 | 1852.6 | 1865.3 | 1882.2 | 1884.7 | 1898.3 | 1907.6 |
| 17.5° | 1938.1 | 1955.9 | 1992.3 | 2016.9 | 2038.9 | 2056.7 | 2082.1 | 2101.6 | 2105.8 | 2121.1 | 2101.6 |
| 20°   | 2163.4 | 2206.6 | 2212.6 | 2261.7 | 2281.2 | 2316.8 | 2367.6 | 2376.9 | 2401.5 | 2376.9 | 2362.5 |
| 22.5° | 2468.4 | 2536.1 | 2554.8 | 2602.2 | 2625.9 | 2680.1 | 2695.4 | 2745.4 | 2762.3 | 2743.7 | 2704.7 |
| 25°   | 2819.1 | 2924.1 | 2978.3 | 3051.2 | 3063.0 | 3174.0 | 3185.9 | 3244.3 | 3213.0 | 3168.1 | 3168.9 |
| 27.5° | 3077.4 | 3256.2 | 3395.9 | 3520.4 | 3607.7 | 3733.1 | 3830.5 | 3857.6 | 3827.9 | 3769.5 | 3749.2 |
| 30°   | 3224.8 | 3427.3 | 3628.0 | 3800.0 | 4003.3 | 4194.7 | 4393.8 | 4492.9 | 4509.8 | 4540.3 | 4417.5 |
| 32.5° | 3319.7 | 3579.7 | 3818.6 | 4031.2 | 4239.6 | 4486.1 | 4752.9 | 5007.9 | 5222.2 | 5384.0 | 5307.8 |
| 35°   | 3399.3 | 3720.4 | 4026.2 | 4283.7 | 4530.2 | 4798.7 | 5068.1 | 5368.8 | 5723.7 | 5931.2 | 5974.4 |
| 37.5° | 3431.5 | 3823.7 | 4198.1 | 4528.5 | 4874.9 | 5177.3 | 5445.0 | 5712.7 | 6085.4 | 6455.6 | 6569.9 |
| 40°   | 3425.6 | 3874.5 | 4300.6 | 4715.7 | 5140.1 | 5517.9 | 5831.3 | 6148.1 | 6584.3 | 7017.2 | 7203.5 |
| 42.5° | 3385.8 | 3882.1 | 4365.8 | 4840.2 | 5323.9 | 5826.2 | 6226.9 | 6591.9 | 7010.4 | 7565.2 | 7828.7 |
| 45°   | 3335.8 | 3855.9 | 4379.4 | 4903.7 | 5460.2 | 6041.3 | 6547.9 | 6999.4 | 7489.8 | 8037.9 | 8356.4 |
| 47.5° | 3268.0 | 3814.4 | 4362.4 | 4925.7 | 5521.2 | 6179.4 | 6774.9 | 7317.9 | 7857.5 | 8488.5 | 8892.6 |
| 50°   | 3194.3 | 3755.1 | 4327.7 | 4909.7 | 5536.5 | 6254.8 | 6904.5 | 7522.9 | 8153.1 | 8834.2 | 9344.9 |
| 52.5° | 3142.7 | 3691.6 | 4296.4 | 4876.6 | 5521.2 | 6277.7 | 6951.9 | 7633.0 | 8334.4 | 9038.3 | 9648.2 |
| 55°   | 3079.1 | 3606.8 | 4212.5 | 4799.5 | 5465.3 | 6265.0 | 6946.9 | 7671.1 | 8384.4 | 9117.1 | 9813.4 |
| 57.5° | 3083.4 | 3567.9 | 4141.4 | 4707.2 | 5351.0 | 6147.2 | 6851.1 | 7633.0 | 8305.6 | 9066.3 | 9819.3 |
| 60°   | 3217.2 | 3651.7 | 4178.6 | 4725.8 | 5317.1 | 6072.7 | 6688.5 | 7387.3 | 8074.3 | 8890.9 | 9682.1 |
| 62.5° | 3493.3 | 3891.5 | 4370.1 | 4912.2 | 5507.7 | 6221.8 | 6614.8 | 6979.1 | 7589.0 | 8568.2 | 9448.3 |
| 65°   | 3822.9 | 4182.0 | 4597.1 | 5112.9 | 5780.4 | 6464.0 | 6573.3 | 6647.0 | 6955.3 | 7940.5 | 9009.5 |
| 67.5° | 4152.4 | 4473.4 | 4799.5 | 5227.3 | 5935.5 | 6533.5 | 6403.9 | 6228.5 | 6394.6 | 7211.2 | 8147.2 |
| 70°   | 4271.0 | 4697.0 | 4911.3 | 5205.3 | 5817.7 | 6371.7 | 6130.3 | 5689.0 | 5746.6 | 6488.6 | 7173.0 |
| 72.5° | 4093.1 | 4700.4 | 4771.6 | 4880.8 | 5293.4 | 5814.3 | 5559.4 | 4991.8 | 4980.0 | 5546.7 | 6099.8 |
| 75°   | 3433.2 | 4287.9 | 4287.0 | 4246.4 | 4339.6 | 4636.0 | 4503.9 | 4161.7 | 4306.5 | 4752.9 | 4935.1 |
| 77.5° | 2447.2 | 3345.9 | 3388.3 | 3114.7 | 3107.9 | 3241.8 | 3321.4 | 3719.5 | 4244.7 | 4495.4 | 4437.8 |
| 80°   | 1537.4 | 2257.5 | 2439.6 | 2101.6 | 2029.6 | 2219.3 | 2711.5 | 3290.9 | 3937.2 | 4162.5 | 3968.5 |
| 82.5° | 925.9  | 1454.4 | 1842.4 | 1651.0 | 1634.0 | 1979.6 | 2523.4 | 2748.8 | 2942.7 | 3182.5 | 2858.0 |
| 85°   | 628.5  | 969.1  | 1260.4 | 1298.6 | 1446.8 | 1804.3 | 2040.6 | 1940.7 | 1945.7 | 1883.0 | 1715.3 |
| 87.5° | 120.3  | 264.3  | 432.0  | 526.9  | 584.5  | 785.2  | 853.9  | 773.4  | 816.6  | 597.2  | 653.1  |
| 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°    | 1415.5  | 1415.5  | 1415.5  | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 |
| 2.5°  | 1488.3  | 1488.3  | 1488.3  | 1484.1 | 1484.9 | 1479.0 | 1476.5 | 1476.5 | 1473.9 | 1473.9 | 1473.1 |
| 5°    | 1534.9  | 1529.8  | 1532.4  | 1531.5 | 1531.5 | 1523.0 | 1518.8 | 1518.8 | 1507.8 | 1508.6 | 1505.3 |
| 7.5°  | 1604.4  | 1603.5  | 1606.1  | 1601.0 | 1594.2 | 1587.4 | 1580.6 | 1577.3 | 1562.0 | 1552.7 | 1546.8 |
| 10°   | 1683.1  | 1682.3  | 1684.8  | 1684.0 | 1672.1 | 1659.4 | 1640.8 | 1627.2 | 1608.6 | 1594.2 | 1579.8 |
| 12.5° | 1769.5  | 1768.7  | 1767.0  | 1759.4 | 1746.7 | 1726.3 | 1702.6 | 1679.8 | 1651.8 | 1633.2 | 1612.0 |
| 15°   | 1904.2  | 1901.7  | 1891.5  | 1880.5 | 1867.0 | 1835.6 | 1794.1 | 1761.1 | 1723.8 | 1691.6 | 1656.9 |
| 17.5° | 2103.3  | 2082.1  | 2080.4  | 2055.9 | 2019.4 | 1977.9 | 1939.0 | 1883.9 | 1830.5 | 1782.2 | 1734.8 |
| 20°   | 2377.7  | 2328.6  | 2315.1  | 2287.1 | 2238.8 | 2195.6 | 2110.9 | 2037.2 | 1964.4 | 1898.3 | 1838.2 |
| 22.5° | 2676.8  | 2641.2  | 2608.1  | 2562.4 | 2496.3 | 2433.6 | 2326.1 | 2233.7 | 2140.6 | 2055.9 | 1988.9 |
| 25°   | 3094.4  | 3032.5  | 2973.2  | 2900.4 | 2808.9 | 2734.4 | 2611.5 | 2518.4 | 2396.4 | 2319.3 | 2222.7 |
| 27.5° | 3634.0  | 3528.1  | 3428.1  | 3365.4 | 3204.5 | 3096.1 | 2939.4 | 2819.1 | 2671.7 | 2567.5 | 2453.1 |
| 30°   | 4336.2  | 4213.4  | 4065.1  | 3848.3 | 3656.8 | 3441.7 | 3247.7 | 3093.5 | 2936.8 | 2791.1 | 2659.0 |
| 32.5° | 5207.0  | 4990.1  | 4755.5  | 4411.6 | 4097.3 | 3790.7 | 3532.3 | 3342.6 | 3182.5 | 3001.2 | 2814.8 |
| 35°   | 5943.1  | 5719.5  | 5386.6  | 4949.5 | 4561.5 | 4210.8 | 3901.6 | 3642.4 | 3433.2 | 3203.6 | 2957.1 |
| 37.5° | 6524.2  | 6269.2  | 5956.6  | 5492.4 | 5082.5 | 4683.5 | 4359.1 | 4028.7 | 3754.2 | 3438.3 | 3126.6 |
| 40°   | 7190.0  | 6934.2  | 6590.2  | 6109.1 | 5623.7 | 5190.9 | 4810.5 | 4469.2 | 4132.0 | 3746.6 | 3345.9 |
| 42.5° | 7770.2  | 7585.6  | 7237.4  | 6740.2 | 6202.3 | 5720.3 | 5304.4 | 4913.9 | 4473.4 | 4042.2 | 3567.9 |
| 45°   | 8375.0  | 8187.0  | 7856.6  | 7336.5 | 6764.7 | 6227.7 | 5730.5 | 5310.3 | 4790.2 | 4276.9 | 3733.9 |
| 47.5° | 8909.5  | 8716.4  | 8382.7  | 7865.9 | 7258.6 | 6692.7 | 6145.5 | 5637.3 | 5033.3 | 4443.8 | 3842.3 |
| 50°   | 9419.5  | 9183.1  | 8877.4  | 8362.3 | 7713.5 | 7108.7 | 6514.9 | 5862.6 | 5222.2 | 4560.7 | 3916.0 |
| 52.5° | 9887.9  | 9587.2  | 9297.5  | 8767.2 | 8065.9 | 7433.9 | 6771.5 | 6054.0 | 5338.3 | 4653.0 | 3966.0 |
| 55°   | 10153.9 | 9959.9  | 9613.5  | 9092.5 | 8316.6 | 7657.6 | 6934.2 | 6188.7 | 5453.5 | 4718.2 | 3987.2 |
| 57.5° | 10236.1 | 10188.6 | 9898.1  | 9280.6 | 8464.0 | 7780.4 | 7044.3 | 6295.5 | 5530.6 | 4736.8 | 3957.5 |
| 60°   | 10170.8 | 10257.2 | 10098.0 | 9412.7 | 8530.9 | 7816.8 | 7098.5 | 6371.7 | 5544.1 | 4677.6 | 3867.7 |
| 62.5° | 9961.6  | 10158.1 | 10137.8 | 9456.8 | 8496.2 | 7771.1 | 7092.6 | 6332.7 | 5417.0 | 4492.9 | 3666.1 |
| 65°   | 9617.7  | 9865.0  | 9952.3  | 9293.3 | 8300.5 | 7604.2 | 6941.8 | 6087.9 | 5063.8 | 4132.0 | 3328.2 |
| 67.5° | 8970.5  | 9344.9  | 9429.6  | 8757.9 | 7788.9 | 7142.5 | 6507.2 | 5579.7 | 4409.9 | 3573.8 | 2800.4 |
| 70°   | 7673.7  | 8328.4  | 8442.8  | 7738.0 | 6886.7 | 6319.2 | 5780.4 | 4774.1 | 3672.1 | 2866.5 | 2149.0 |
| 72.5° | 6126.1  | 6537.7  | 6771.5  | 6286.1 | 5652.5 | 5240.9 | 4832.6 | 3662.8 | 2770.8 | 2115.1 | 1479.0 |
| 75°   | 4789.4  | 4764.8  | 4974.0  | 4651.3 | 4278.6 | 4086.3 | 3779.7 | 2555.6 | 1855.9 | 1401.1 | 936.0  |
| 77.5° | 4094.8  | 3779.7  | 3541.6  | 3314.6 | 3093.5 | 3032.5 | 2738.6 | 1585.7 | 1146.9 | 839.5  | 559.9  |
| 80°   | 3403.5  | 2828.4  | 2393.8  | 2074.5 | 1995.7 | 2116.0 | 1792.4 | 935.2  | 679.4  | 482.0  | 351.5  |
| 82.5° | 2432.0  | 2034.7  | 1656.0  | 1453.6 | 1318.9 | 1510.3 | 1057.2 | 519.3  | 368.5  | 288.9  | 232.9  |
| 85°   | 1576.4  | 1506.9  | 1490.9  | 1424.8 | 1261.3 | 1191.0 | 803.0  | 447.3  | 276.1  | 179.6  | 144.8  |
| 87.5° | 606.5   | 777.6   | 897.1   | 961.4  | 1039.4 | 925.9  | 418.5  | 154.2  | 151.6  | 93.2   | 70.3   |
| 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°    | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 |
| 2.5°  | 1467.1 | 1463.7 | 1462.9 | 1460.4 | 1458.7 | 1458.7 | 1454.4 | 1377.3 | 1376.5 | 1376.5 | 1375.7 |
| 5°    | 1498.5 | 1494.2 | 1490.0 | 1489.2 | 1485.8 | 1485.8 | 1481.5 | 1404.5 | 1404.5 | 1404.5 | 1402.8 |
| 7.5°  | 1540.8 | 1532.4 | 1527.3 | 1524.7 | 1519.7 | 1522.2 | 1525.6 | 1447.7 | 1448.5 | 1447.7 | 1449.3 |
| 10°   | 1571.3 | 1566.2 | 1560.3 | 1558.6 | 1555.2 | 1557.8 | 1562.9 | 1485.8 | 1488.3 | 1489.2 | 1490.9 |
| 12.5° | 1601.0 | 1592.5 | 1584.9 | 1582.3 | 1580.6 | 1587.4 | 1593.3 | 1518.8 | 1521.3 | 1523.9 | 1523.9 |
| 15°   | 1637.4 | 1623.0 | 1612.8 | 1606.9 | 1603.5 | 1610.3 | 1618.8 | 1545.1 | 1545.9 | 1548.5 | 1547.6 |
| 17.5° | 1699.2 | 1678.1 | 1654.3 | 1650.1 | 1639.1 | 1641.6 | 1643.3 | 1561.2 | 1557.8 | 1551.8 | 1541.7 |
| 20°   | 1795.0 | 1762.8 | 1730.6 | 1717.0 | 1695.0 | 1685.7 | 1667.0 | 1562.0 | 1540.8 | 1523.0 | 1507.8 |
| 22.5° | 1932.2 | 1884.7 | 1850.0 | 1827.1 | 1782.2 | 1750.9 | 1700.1 | 1557.8 | 1518.0 | 1487.5 | 1463.7 |
| 25°   | 2154.1 | 2097.4 | 2044.0 | 1986.4 | 1916.1 | 1853.4 | 1778.9 | 1595.0 | 1533.2 | 1480.7 | 1434.9 |
| 27.5° | 2370.1 | 2280.3 | 2198.2 | 2111.8 | 2012.7 | 1918.6 | 1813.6 | 1606.9 | 1536.6 | 1468.8 | 1394.3 |
| 30°   | 2531.9 | 2401.5 | 2276.9 | 2150.7 | 2021.1 | 1899.1 | 1780.6 | 1566.2 | 1482.4 | 1406.1 | 1327.4 |
| 32.5° | 2630.2 | 2460.8 | 2299.0 | 2142.3 | 1989.8 | 1852.6 | 1719.6 | 1495.9 | 1403.6 | 1313.8 | 1230.0 |
| 35°   | 2723.3 | 2513.3 | 2312.5 | 2127.9 | 1953.4 | 1800.9 | 1657.7 | 1413.8 | 1303.6 | 1207.9 | 1102.0 |
| 37.5° | 2838.6 | 2568.3 | 2321.0 | 2101.6 | 1900.0 | 1725.5 | 1567.9 | 1310.4 | 1200.3 | 1082.6 | 982.6  |
| 40°   | 2976.6 | 2625.1 | 2312.5 | 2049.1 | 1817.0 | 1626.4 | 1459.5 | 1202.0 | 1079.2 | 964.8  | 866.6  |
| 42.5° | 3107.9 | 2675.1 | 2290.5 | 1978.8 | 1726.3 | 1523.0 | 1360.4 | 1105.4 | 982.6  | 865.7  | 768.3  |
| 45°   | 3205.3 | 2717.4 | 2279.5 | 1929.6 | 1656.9 | 1452.7 | 1273.2 | 1027.5 | 897.9  | 780.2  | 681.0  |
| 47.5° | 3273.1 | 2742.8 | 2274.4 | 1902.5 | 1608.6 | 1379.9 | 1193.5 | 949.6  | 813.2  | 694.6  | 598.0  |
| 50°   | 3308.7 | 2742.0 | 2261.7 | 1872.9 | 1537.4 | 1292.6 | 1111.4 | 870.8  | 735.3  | 619.2  | 531.1  |
| 52.5° | 3318.0 | 2726.7 | 2234.6 | 1818.7 | 1451.0 | 1205.4 | 1023.3 | 788.6  | 666.6  | 555.7  | 466.7  |
| 55°   | 3296.8 | 2689.5 | 2177.8 | 1728.0 | 1358.7 | 1113.1 | 942.8  | 724.2  | 599.7  | 494.7  | 425.2  |
| 57.5° | 3236.7 | 2623.4 | 2071.1 | 1603.5 | 1261.3 | 1027.5 | 850.5  | 646.3  | 526.9  | 438.8  | 381.2  |
| 60°   | 3124.9 | 2483.6 | 1904.2 | 1456.1 | 1137.6 | 897.1  | 723.4  | 544.7  | 449.8  | 383.7  | 337.1  |
| 62.5° | 2918.2 | 2264.2 | 1669.6 | 1252.8 | 959.7  | 727.6  | 577.7  | 434.5  | 363.4  | 320.2  | 291.4  |
| 65°   | 2585.3 | 1933.9 | 1397.7 | 986.8  | 729.3  | 529.4  | 429.5  | 327.0  | 275.3  | 249.0  | 240.6  |
| 67.5° | 2110.1 | 1493.4 | 1016.5 | 685.3  | 493.8  | 371.0  | 299.0  | 238.9  | 214.3  | 204.1  | 200.8  |
| 70°   | 1534.1 | 1017.3 | 658.2  | 432.9  | 326.1  | 259.2  | 226.2  | 192.3  | 178.7  | 176.2  | 176.2  |
| 72.5° | 963.1  | 618.4  | 403.2  | 296.5  | 247.3  | 210.1  | 193.1  | 169.4  | 164.3  | 162.6  | 160.1  |
| 75°   | 565.0  | 375.3  | 285.5  | 243.1  | 211.8  | 188.1  | 173.7  | 154.2  | 150.8  | 149.9  | 147.4  |
| 77.5° | 360.0  | 270.2  | 230.4  | 207.5  | 191.4  | 170.3  | 157.6  | 137.2  | 136.4  | 135.5  | 134.7  |
| 80°   | 258.4  | 224.5  | 201.6  | 183.8  | 167.7  | 148.2  | 140.6  | 124.5  | 122.8  | 122.0  | 123.7  |
| 82.5° | 195.7  | 185.5  | 176.2  | 162.6  | 140.6  | 126.2  | 120.3  | 109.3  | 110.1  | 105.9  | 105.0  |
| 85°   | 134.7  | 133.0  | 132.1  | 126.2  | 110.1  | 97.4   | 93.2   | 87.2   | 91.5   | 87.2   | 82.2   |
| 87.5° | 66.1   | 65.2   | 60.1   | 71.2   | 66.1   | 52.5   | 47.4   | 52.5   | 58.4   | 56.8   | 52.5   |
| 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):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 |
| 2.5°  | 1372.3 | 1368.9 | 1371.4 | 1369.7 | 1369.7 | 1368.9 | 1370.6 | 1368.0 | 1366.3 | 1368.0 | 1368.9 |
| 5°    | 1399.4 | 1395.1 | 1396.0 | 1390.1 | 1392.6 | 1386.7 | 1388.4 | 1384.1 | 1379.9 | 1378.2 | 1378.2 |
| 7.5°  | 1445.1 | 1440.9 | 1435.8 | 1434.9 | 1425.6 | 1422.2 | 1416.3 | 1412.9 | 1410.4 | 1404.5 | 1401.1 |
| 10°   | 1486.6 | 1479.8 | 1473.9 | 1473.1 | 1463.7 | 1455.3 | 1447.7 | 1440.9 | 1436.6 | 1428.2 | 1423.9 |
| 12.5° | 1520.5 | 1513.7 | 1504.4 | 1499.3 | 1490.0 | 1479.8 | 1474.8 | 1464.6 | 1458.7 | 1449.3 | 1441.7 |
| 15°   | 1540.0 | 1528.1 | 1514.6 | 1505.3 | 1491.7 | 1480.7 | 1473.1 | 1465.4 | 1459.5 | 1447.7 | 1436.6 |
| 17.5° | 1530.7 | 1511.2 | 1492.5 | 1475.6 | 1457.0 | 1446.8 | 1435.8 | 1426.5 | 1424.8 | 1411.2 | 1394.3 |
| 20°   | 1491.7 | 1468.8 | 1444.3 | 1421.4 | 1396.8 | 1382.4 | 1368.9 | 1354.5 | 1350.2 | 1334.1 | 1312.1 |
| 22.5° | 1444.3 | 1418.0 | 1390.1 | 1362.1 | 1330.8 | 1310.4 | 1290.1 | 1272.3 | 1257.9 | 1234.2 | 1202.8 |
| 25°   | 1396.0 | 1357.0 | 1316.4 | 1280.8 | 1244.4 | 1218.9 | 1197.8 | 1178.3 | 1161.3 | 1123.2 | 1091.0 |
| 27.5° | 1332.4 | 1271.5 | 1230.0 | 1189.3 | 1145.2 | 1112.2 | 1088.5 | 1061.4 | 1042.8 | 998.7  | 964.8  |
| 30°   | 1251.1 | 1190.1 | 1130.8 | 1090.2 | 1046.1 | 1010.6 | 980.1  | 941.1  | 914.0  | 881.8  | 850.5  |
| 32.5° | 1148.6 | 1087.6 | 1027.5 | 981.8  | 945.3  | 901.3  | 863.2  | 825.9  | 794.6  | 763.2  | 738.6  |
| 35°   | 1024.1 | 964.8  | 908.1  | 862.3  | 821.7  | 786.9  | 750.5  | 718.3  | 682.7  | 648.9  | 634.5  |
| 37.5° | 892.8  | 829.3  | 766.6  | 726.8  | 694.6  | 670.0  | 636.2  | 609.9  | 577.7  | 557.4  | 540.4  |
| 40°   | 778.5  | 710.7  | 651.4  | 617.5  | 592.1  | 564.2  | 536.2  | 515.9  | 493.0  | 472.7  | 460.0  |
| 42.5° | 681.9  | 618.4  | 567.5  | 538.7  | 508.2  | 477.8  | 456.6  | 439.6  | 425.2  | 410.0  | 394.7  |
| 45°   | 593.0  | 532.0  | 489.6  | 454.0  | 428.6  | 404.1  | 389.7  | 382.0  | 373.6  | 364.2  | 354.1  |
| 47.5° | 518.4  | 465.9  | 424.4  | 391.3  | 365.1  | 348.1  | 341.4  | 338.8  | 335.4  | 327.8  | 322.7  |
| 50°   | 461.7  | 418.5  | 376.1  | 346.5  | 324.4  | 316.0  | 308.3  | 305.8  | 301.6  | 299.0  | 295.6  |
| 52.5° | 414.2  | 368.5  | 332.9  | 305.8  | 292.2  | 288.9  | 285.5  | 282.1  | 281.2  | 279.5  | 277.8  |
| 55°   | 375.3  | 335.4  | 302.4  | 282.1  | 275.3  | 272.8  | 271.9  | 268.5  | 267.7  | 267.7  | 265.1  |
| 57.5° | 340.5  | 306.6  | 277.0  | 264.3  | 260.1  | 257.5  | 255.8  | 254.1  | 254.1  | 255.8  | 255.0  |
| 60°   | 304.9  | 276.1  | 258.4  | 251.6  | 249.0  | 244.8  | 240.6  | 238.9  | 239.7  | 244.0  | 244.0  |
| 62.5° | 270.2  | 249.0  | 238.0  | 235.5  | 232.9  | 229.6  | 224.5  | 222.8  | 224.5  | 229.6  | 232.1  |
| 65°   | 232.1  | 222.8  | 219.4  | 217.7  | 216.0  | 213.5  | 210.1  | 208.4  | 209.2  | 211.8  | 215.2  |
| 67.5° | 197.4  | 196.5  | 196.5  | 197.4  | 196.5  | 195.7  | 194.0  | 191.4  | 190.6  | 190.6  | 192.3  |
| 70°   | 176.2  | 176.2  | 178.7  | 178.7  | 177.9  | 177.9  | 175.3  | 172.8  | 171.1  | 169.4  | 170.3  |
| 72.5° | 160.1  | 160.1  | 160.9  | 161.8  | 160.9  | 160.9  | 157.6  | 155.9  | 151.6  | 150.8  | 149.1  |
| 75°   | 146.5  | 144.8  | 144.8  | 144.0  | 143.2  | 144.0  | 140.6  | 136.4  | 134.7  | 133.8  | 132.1  |
| 77.5° | 133.0  | 129.6  | 127.9  | 126.2  | 127.1  | 126.2  | 123.7  | 121.1  | 118.6  | 117.7  | 116.9  |
| 80°   | 117.7  | 112.7  | 110.1  | 105.9  | 108.4  | 109.3  | 107.6  | 105.0  | 104.2  | 103.3  | 102.5  |
| 82.5° | 97.4   | 92.3   | 88.9   | 86.4   | 84.7   | 86.4   | 88.9   | 94.9   | 93.2   | 92.3   | 90.6   |
| 85°   | 76.2   | 67.8   | 63.5   | 64.4   | 60.1   | 61.0   | 68.6   | 72.0   | 72.0   | 73.7   | 72.0   |
| 87.5° | 43.2   | 41.5   | 31.3   | 28.8   | 30.5   | 36.4   | 40.7   | 44.9   | 44.9   | 42.4   | 47.4   |
| 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):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 |
| 2.5°  | 1368.9 | 1370.6 | 1371.4 | 1374.8 | 1376.5 | 1377.3 | 1378.2 | 1379.9 | 1380.7 | 1379.9 | 1384.1 |
| 5°    | 1375.7 | 1375.7 | 1374.0 | 1376.5 | 1377.3 | 1377.3 | 1375.7 | 1377.3 | 1377.3 | 1377.3 | 1381.6 |
| 7.5°  | 1393.4 | 1388.4 | 1385.8 | 1382.4 | 1379.9 | 1376.5 | 1372.3 | 1372.3 | 1371.4 | 1372.3 | 1374.8 |
| 10°   | 1412.1 | 1404.5 | 1395.1 | 1386.7 | 1379.0 | 1373.1 | 1365.5 | 1362.9 | 1362.1 | 1361.3 | 1368.0 |
| 12.5° | 1426.5 | 1412.9 | 1398.5 | 1384.1 | 1368.9 | 1358.7 | 1346.0 | 1338.4 | 1337.5 | 1337.5 | 1346.0 |
| 15°   | 1416.3 | 1394.3 | 1366.3 | 1340.9 | 1327.4 | 1313.0 | 1298.6 | 1289.2 | 1288.4 | 1290.1 | 1295.2 |
| 17.5° | 1365.5 | 1329.9 | 1305.3 | 1280.8 | 1263.0 | 1251.1 | 1241.8 | 1240.1 | 1243.5 | 1240.1 | 1246.9 |
| 20°   | 1279.1 | 1241.0 | 1224.0 | 1204.5 | 1197.8 | 1189.3 | 1175.7 | 1163.9 | 1163.9 | 1148.6 | 1152.9 |
| 22.5° | 1167.3 | 1146.1 | 1124.1 | 1108.8 | 1103.7 | 1089.3 | 1074.9 | 1058.8 | 1057.2 | 1038.5 | 1036.0 |
| 25°   | 1050.4 | 1029.2 | 1011.4 | 1008.0 | 992.8  | 973.3  | 959.7  | 941.1  | 936.9  | 918.2  | 915.7  |
| 27.5° | 930.9  | 914.0  | 896.2  | 886.0  | 877.6  | 856.4  | 844.5  | 822.5  | 814.0  | 793.7  | 791.2  |
| 30°   | 817.4  | 805.6  | 784.4  | 775.9  | 759.8  | 735.3  | 709.8  | 696.3  | 689.5  | 668.3  | 661.6  |
| 32.5° | 710.7  | 692.1  | 676.0  | 665.8  | 645.5  | 617.5  | 594.6  | 575.2  | 562.5  | 537.0  | 530.3  |
| 35°   | 609.0  | 590.4  | 582.8  | 556.5  | 538.7  | 520.1  | 488.8  | 476.9  | 454.0  | 434.5  | 427.8  |
| 37.5° | 519.3  | 501.5  | 491.3  | 469.3  | 451.5  | 432.9  | 414.2  | 399.0  | 388.0  | 383.7  | 383.7  |
| 40°   | 442.2  | 432.9  | 420.1  | 404.1  | 392.2  | 378.6  | 368.5  | 363.4  | 362.5  | 364.2  | 368.5  |
| 42.5° | 387.1  | 376.9  | 368.5  | 360.0  | 351.5  | 349.8  | 347.3  | 350.7  | 354.9  | 359.2  | 363.4  |
| 45°   | 345.6  | 337.1  | 332.1  | 328.7  | 327.8  | 330.4  | 335.4  | 340.5  | 348.1  | 353.2  | 356.6  |
| 47.5° | 316.0  | 309.2  | 307.5  | 306.6  | 310.9  | 318.5  | 325.3  | 332.9  | 338.8  | 343.9  | 347.3  |
| 50°   | 290.5  | 284.6  | 283.8  | 282.9  | 288.9  | 295.6  | 301.6  | 311.7  | 316.0  | 319.3  | 321.9  |
| 52.5° | 272.8  | 267.7  | 265.1  | 266.0  | 271.9  | 277.8  | 286.3  | 293.9  | 299.9  | 302.4  | 304.9  |
| 55°   | 258.4  | 256.7  | 250.7  | 253.3  | 259.2  | 266.8  | 275.3  | 283.8  | 289.7  | 293.9  | 298.2  |
| 57.5° | 247.3  | 243.1  | 238.9  | 243.1  | 249.0  | 256.7  | 266.8  | 274.5  | 282.1  | 288.0  | 292.2  |
| 60°   | 235.5  | 232.1  | 228.7  | 232.9  | 238.9  | 246.5  | 254.1  | 264.3  | 273.6  | 279.5  | 283.8  |
| 62.5° | 225.3  | 222.8  | 219.4  | 220.2  | 222.8  | 227.9  | 232.1  | 241.4  | 249.9  | 257.5  | 262.6  |
| 65°   | 210.9  | 210.1  | 205.0  | 205.8  | 207.5  | 212.6  | 216.0  | 224.5  | 232.9  | 239.7  | 244.0  |
| 67.5° | 189.7  | 188.1  | 188.1  | 190.6  | 191.4  | 194.0  | 196.5  | 205.0  | 211.8  | 216.9  | 221.9  |
| 70°   | 168.6  | 167.7  | 167.7  | 169.4  | 168.6  | 171.1  | 174.5  | 182.1  | 190.6  | 195.7  | 200.8  |
| 72.5° | 148.2  | 148.2  | 147.4  | 149.1  | 149.1  | 149.9  | 154.2  | 160.9  | 168.6  | 172.8  | 176.2  |
| 75°   | 130.4  | 129.6  | 129.6  | 129.6  | 130.4  | 130.4  | 134.7  | 140.6  | 148.2  | 150.8  | 155.9  |
| 77.5° | 114.4  | 114.4  | 114.4  | 114.4  | 115.2  | 114.4  | 116.9  | 121.1  | 123.7  | 127.9  | 127.9  |
| 80°   | 100.8  | 100.0  | 100.8  | 101.6  | 101.6  | 100.8  | 100.8  | 101.6  | 102.5  | 102.5  | 102.5  |
| 82.5° | 88.9   | 86.4   | 88.1   | 92.3   | 92.3   | 92.3   | 91.5   | 85.6   | 81.3   | 81.3   | 83.0   |
| 85°   | 71.2   | 71.2   | 72.0   | 77.9   | 78.8   | 75.4   | 78.8   | 70.3   | 61.8   | 59.3   | 61.0   |
| 87.5° | 44.0   | 34.7   | 42.4   | 48.3   | 48.3   | 45.7   | 50.8   | 47.4   | 39.8   | 32.2   | 30.5   |
| 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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REPORT N  
CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |       |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 0°    |
| 2.5°  | 1387.5 | 1388.4 | 1393.4 | 1396.0 | 1396.0 | 1399.4 | 1401.1 | 1406.1 | 1405.3 | 1405.3 | 1407.0 | 2.5°  |
| 5°    | 1385.8 | 1388.4 | 1393.4 | 1396.8 | 1398.5 | 1402.8 | 1406.1 | 1412.1 | 1411.2 | 1412.9 | 1413.8 | 5°    |
| 7.5°  | 1379.9 | 1386.7 | 1391.7 | 1398.5 | 1404.5 | 1407.8 | 1412.1 | 1417.2 | 1415.5 | 1416.3 | 1415.5 | 7.5°  |
| 10°   | 1374.8 | 1381.6 | 1391.7 | 1401.1 | 1409.5 | 1414.6 | 1417.2 | 1423.1 | 1422.2 | 1423.9 | 1423.9 | 10°   |
| 12.5° | 1354.5 | 1366.3 | 1379.0 | 1393.4 | 1406.1 | 1419.7 | 1428.2 | 1440.9 | 1446.8 | 1454.4 | 1462.9 | 12.5° |
| 15°   | 1302.8 | 1316.4 | 1336.7 | 1352.8 | 1377.3 | 1396.0 | 1420.5 | 1445.1 | 1467.1 | 1488.3 | 1512.9 | 15°   |
| 17.5° | 1252.0 | 1257.9 | 1274.0 | 1296.0 | 1318.0 | 1346.0 | 1375.7 | 1419.7 | 1459.5 | 1502.7 | 1550.1 | 17.5° |
| 20°   | 1158.0 | 1168.1 | 1179.1 | 1205.4 | 1231.6 | 1271.5 | 1307.9 | 1365.5 | 1423.9 | 1491.7 | 1564.5 | 20°   |
| 22.5° | 1041.9 | 1052.1 | 1063.9 | 1093.6 | 1125.8 | 1166.4 | 1210.5 | 1274.8 | 1352.8 | 1440.9 | 1538.3 | 22.5° |
| 25°   | 916.5  | 922.5  | 931.8  | 961.4  | 980.9  | 1034.3 | 1087.6 | 1154.6 | 1239.3 | 1352.8 | 1466.3 | 25°   |
| 27.5° | 778.5  | 789.5  | 797.1  | 810.7  | 855.5  | 901.3  | 957.2  | 1029.2 | 1131.7 | 1247.7 | 1385.0 | 27.5° |
| 30°   | 646.3  | 655.6  | 651.4  | 680.2  | 709.8  | 758.1  | 818.3  | 897.9  | 996.2  | 1134.2 | 1292.6 | 30°   |
| 32.5° | 516.7  | 523.5  | 521.0  | 541.3  | 570.9  | 619.2  | 676.0  | 762.4  | 866.6  | 1013.9 | 1185.9 | 32.5° |
| 35°   | 426.1  | 427.8  | 437.1  | 446.4  | 471.8  | 510.8  | 559.1  | 634.5  | 741.2  | 876.7  | 1058.8 | 35°   |
| 37.5° | 383.7  | 387.1  | 393.0  | 405.7  | 424.4  | 452.3  | 492.2  | 550.6  | 642.1  | 761.5  | 924.2  | 37.5° |
| 40°   | 371.0  | 373.6  | 376.9  | 385.4  | 403.2  | 427.8  | 463.4  | 512.5  | 579.4  | 680.2  | 812.3  | 40°   |
| 42.5° | 365.1  | 365.1  | 365.1  | 370.2  | 383.7  | 410.0  | 450.6  | 498.9  | 557.4  | 633.6  | 740.3  | 42.5° |
| 45°   | 356.6  | 356.6  | 355.8  | 358.3  | 367.6  | 393.9  | 437.9  | 492.2  | 554.8  | 627.7  | 720.0  | 45°   |
| 47.5° | 347.3  | 346.5  | 343.9  | 343.9  | 349.8  | 376.1  | 421.8  | 480.3  | 548.9  | 632.8  | 731.9  | 47.5° |
| 50°   | 321.9  | 321.9  | 321.9  | 324.4  | 329.5  | 353.2  | 402.4  | 464.2  | 543.0  | 636.2  | 750.5  | 50°   |
| 52.5° | 307.5  | 308.3  | 310.9  | 310.9  | 316.0  | 340.5  | 392.2  | 460.8  | 546.4  | 648.9  | 774.2  | 52.5° |
| 55°   | 300.7  | 303.3  | 305.8  | 305.8  | 310.0  | 335.4  | 388.8  | 463.4  | 559.1  | 675.1  | 814.9  | 55°   |
| 57.5° | 294.8  | 297.3  | 299.0  | 299.0  | 302.4  | 324.4  | 379.5  | 459.1  | 566.7  | 700.5  | 864.9  | 57.5° |
| 60°   | 283.8  | 285.5  | 286.3  | 286.3  | 287.2  | 305.8  | 358.3  | 438.8  | 549.8  | 698.8  | 892.0  | 60°   |
| 62.5° | 263.4  | 266.8  | 267.7  | 268.5  | 268.5  | 286.3  | 331.2  | 405.7  | 513.3  | 673.4  | 884.3  | 62.5° |
| 65°   | 248.2  | 249.9  | 252.4  | 254.1  | 257.5  | 269.4  | 304.9  | 365.9  | 465.9  | 622.6  | 842.0  | 65°   |
| 67.5° | 224.5  | 227.0  | 229.6  | 232.9  | 236.3  | 244.0  | 271.9  | 321.0  | 401.5  | 536.2  | 747.1  | 67.5° |
| 70°   | 203.3  | 204.1  | 206.7  | 210.9  | 211.8  | 216.0  | 236.3  | 270.2  | 328.7  | 430.3  | 601.4  | 70°   |
| 72.5° | 177.0  | 178.7  | 182.1  | 187.2  | 187.2  | 190.6  | 202.5  | 220.2  | 257.5  | 328.7  | 443.9  | 72.5° |
| 75°   | 154.2  | 155.9  | 158.4  | 158.4  | 154.2  | 155.0  | 163.5  | 176.2  | 204.1  | 247.3  | 323.6  | 75°   |
| 77.5° | 127.9  | 131.3  | 133.8  | 128.8  | 127.1  | 129.6  | 133.8  | 143.2  | 163.5  | 196.5  | 243.1  | 77.5° |
| 80°   | 105.9  | 107.6  | 108.4  | 109.3  | 107.6  | 110.1  | 113.5  | 119.4  | 133.0  | 158.4  | 192.3  | 80°   |
| 82.5° | 84.7   | 86.4   | 88.9   | 92.3   | 92.3   | 101.6  | 102.5  | 102.5  | 110.1  | 126.2  | 150.8  | 82.5° |
| 85°   | 62.7   | 66.1   | 69.5   | 73.7   | 74.5   | 79.6   | 77.1   | 76.2   | 78.8   | 94.0   | 104.2  | 85°   |
| 87.5° | 32.2   | 34.7   | 36.4   | 39.8   | 35.6   | 37.3   | 37.3   | 34.7   | 30.5   | 38.1   | 42.4   | 87.5° |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 90°   |



NUMBER: P158897

NUMBER: VST-F05-LED-E-U-SLL-7060

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 | 1415.5 |
| 1408.7 | 1407.0 | 1408.7 | 1408.7 | 1411.2 | 1409.5 | 1499.3 |
| 1415.5 | 1413.8 | 1415.5 | 1417.2 | 1419.7 | 1419.7 | 1518.8 |
| 1416.3 | 1416.3 | 1414.6 | 1418.9 | 1422.2 | 1425.6 | 1537.4 |
| 1426.5 | 1426.5 | 1428.2 | 1429.0 | 1436.6 | 1445.1 | 1567.9 |
| 1468.0 | 1472.2 | 1479.8 | 1482.4 | 1495.9 | 1505.3 | 1645.9 |
| 1531.5 | 1555.2 | 1570.5 | 1575.6 | 1587.4 | 1605.2 | 1777.2 |
| 1595.9 | 1635.7 | 1677.2 | 1702.6 | 1717.9 | 1739.0 | 1938.1 |
| 1644.2 | 1718.7 | 1789.9 | 1853.4 | 1889.8 | 1931.3 | 2163.4 |
| 1648.4 | 1767.0 | 1887.3 | 2005.0 | 2102.4 | 2179.5 | 2468.4 |
| 1607.7 | 1763.6 | 1929.6 | 2110.1 | 2277.8 | 2416.7 | 2819.1 |
| 1556.1 | 1747.5 | 1959.3 | 2189.7 | 2409.9 | 2614.9 | 3077.4 |
| 1490.9 | 1720.4 | 1964.4 | 2223.6 | 2481.9 | 2728.4 | 3224.8 |
| 1391.7 | 1639.9 | 1903.4 | 2189.7 | 2489.6 | 2789.4 | 3319.7 |
| 1264.7 | 1518.0 | 1788.2 | 2114.3 | 2454.0 | 2814.0 | 3399.3 |
| 1135.1 | 1385.0 | 1675.5 | 2013.5 | 2397.2 | 2809.7 | 3431.5 |
| 997.9  | 1246.0 | 1543.4 | 1905.9 | 2320.1 | 2770.8 | 3425.6 |
| 904.7  | 1130.8 | 1422.2 | 1796.6 | 2234.6 | 2719.1 | 3385.8 |
| 850.5  | 1048.7 | 1326.5 | 1696.7 | 2156.7 | 2657.3 | 3335.8 |
| 849.6  | 1024.1 | 1275.7 | 1625.5 | 2077.9 | 2588.7 | 3268.0 |
| 879.3  | 1039.4 | 1269.8 | 1595.0 | 2034.7 | 2538.7 | 3194.3 |
| 914.0  | 1081.7 | 1301.1 | 1606.1 | 2033.8 | 2516.7 | 3142.7 |
| 969.1  | 1153.7 | 1369.7 | 1653.5 | 2055.9 | 2513.3 | 3079.1 |
| 1039.4 | 1251.1 | 1493.4 | 1770.4 | 2141.4 | 2580.2 | 3083.4 |
| 1111.4 | 1365.5 | 1655.2 | 1970.3 | 2310.0 | 2736.1 | 3217.2 |
| 1137.6 | 1453.6 | 1819.5 | 2204.9 | 2562.4 | 2969.8 | 3493.3 |
| 1114.8 | 1473.9 | 1919.5 | 2387.1 | 2808.1 | 3243.5 | 3822.9 |
| 1030.0 | 1391.7 | 1878.8 | 2438.7 | 2949.5 | 3437.4 | 4152.4 |
| 847.9  | 1187.6 | 1694.2 | 2322.7 | 2938.5 | 3477.2 | 4271.0 |
| 621.8  | 920.8  | 1377.3 | 1973.7 | 2612.4 | 3228.2 | 4093.1 |
| 449.0  | 651.4  | 994.5  | 1486.6 | 2065.2 | 2599.7 | 3433.2 |
| 321.9  | 451.5  | 645.5  | 976.7  | 1407.0 | 1810.2 | 2447.2 |
| 231.3  | 306.6  | 402.4  | 586.2  | 857.2  | 1111.4 | 1537.4 |
| 170.3  | 210.1  | 264.3  | 364.2  | 504.9  | 647.2  | 925.9  |
| 116.0  | 123.7  | 159.3  | 215.2  | 331.2  | 476.1  | 628.5  |
| 44.0   | 50.0   | 58.4   | 88.1   | 148.2  | 170.3  | 120.3  |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)