

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: INVUE

Report Number: P152692

Luminaire Tested: **VXM-E05-LED-E1-SLL-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152692  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXM-E05-LED-E1-SLL-7060  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (105) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14275.5 lumens  
Efficiency: N/A  
Efficacy: 112.1 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): 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: 25 FT

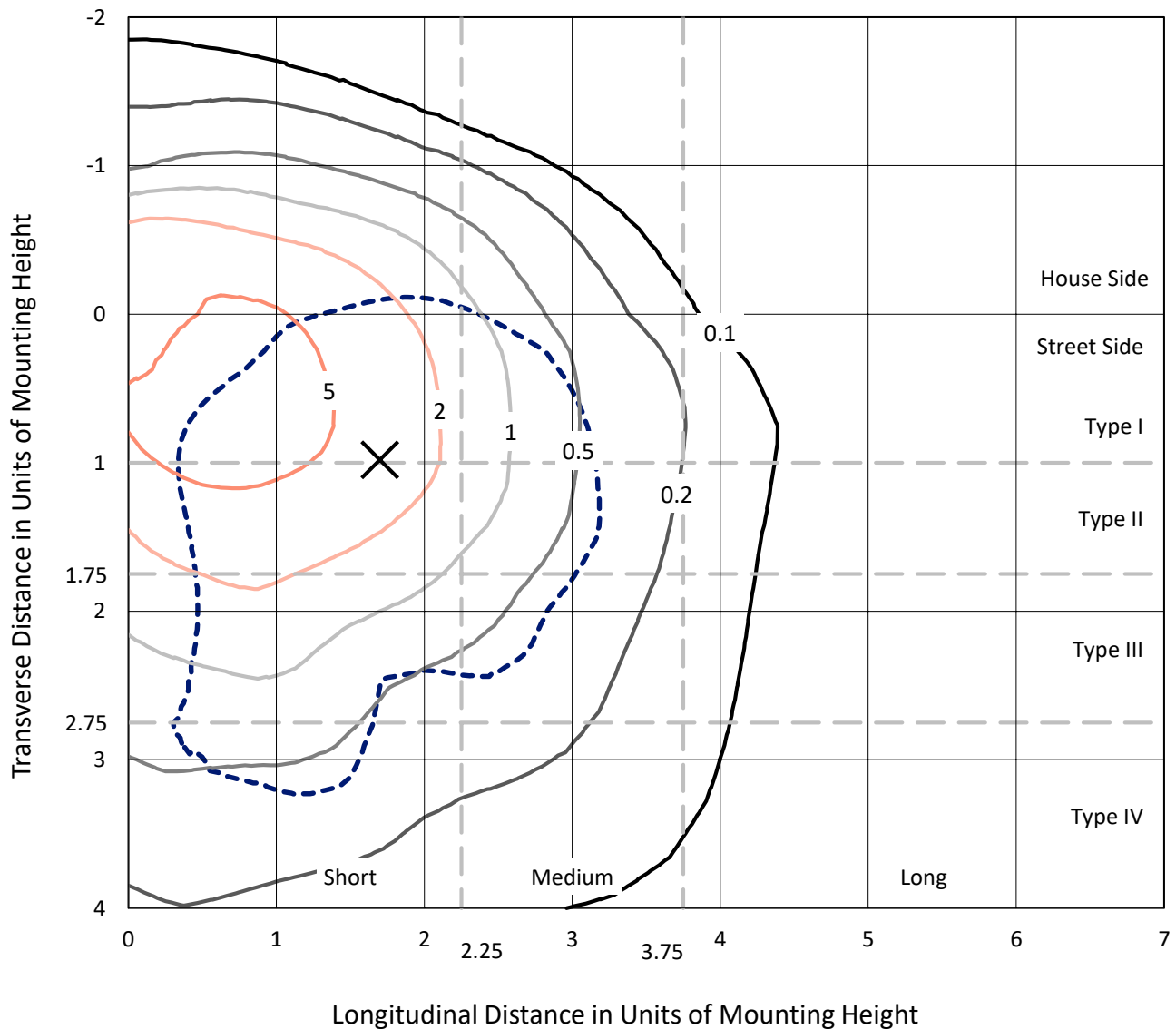


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

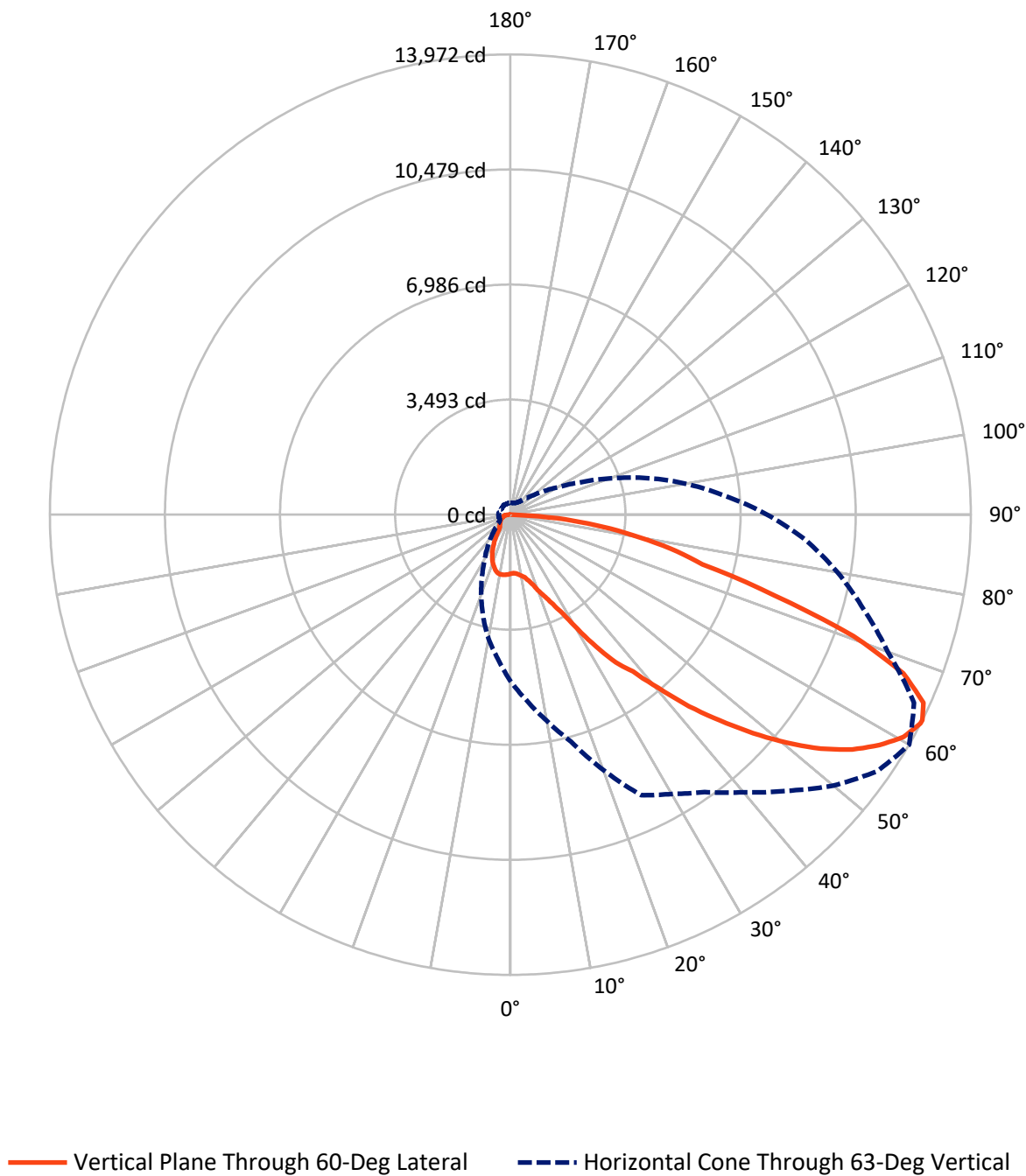


Based on 20 foot mounting height. Maximum calculated value = 8.9 fc  
 Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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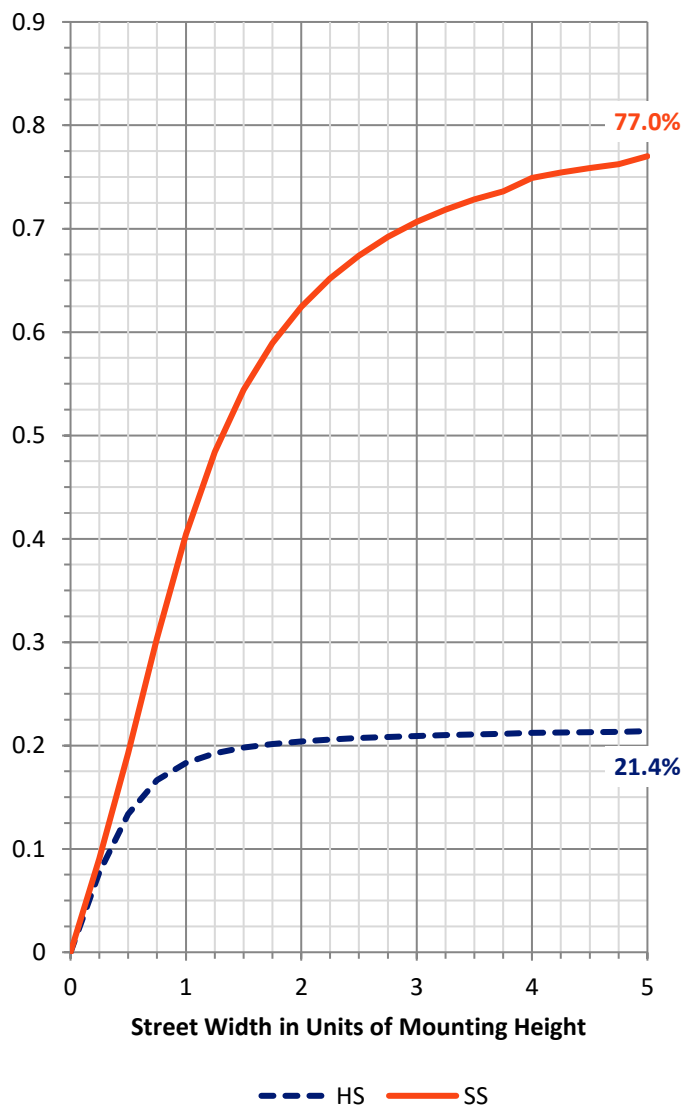
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3095.6   | 0.0    | 3095.6  |
|                    | % Fixture | 21.7     | 0.0    | 21.7    |
| <b>Street Side</b> | Lumens    | 11179.9  | 0.0    | 11179.9 |
|                    | % Fixture | 78.3     | 0.0    | 78.3    |
| <b>Total</b>       | Lumens    | 14275.5  | 0.0    | 14275.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 174.6   | 1.2       |
| 10°-20°   | 543.9   | 3.8       |
| 20°-30°   | 966.2   | 6.8       |
| 30°-40°   | 1521.6  | 10.7      |
| 40°-50°   | 2239.3  | 15.7      |
| 50°-60°   | 2974.4  | 20.8      |
| 60°-70°   | 3276.3  | 23.0      |
| 70°-80°   | 2055.6  | 14.4      |
| 80°-90°   | 523.5   | 3.7       |
| 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°    | 14275.5 | 100.0     |
| 0°-180°   | 14275.5 | 100.0     |

**Coefficient of Utilization**



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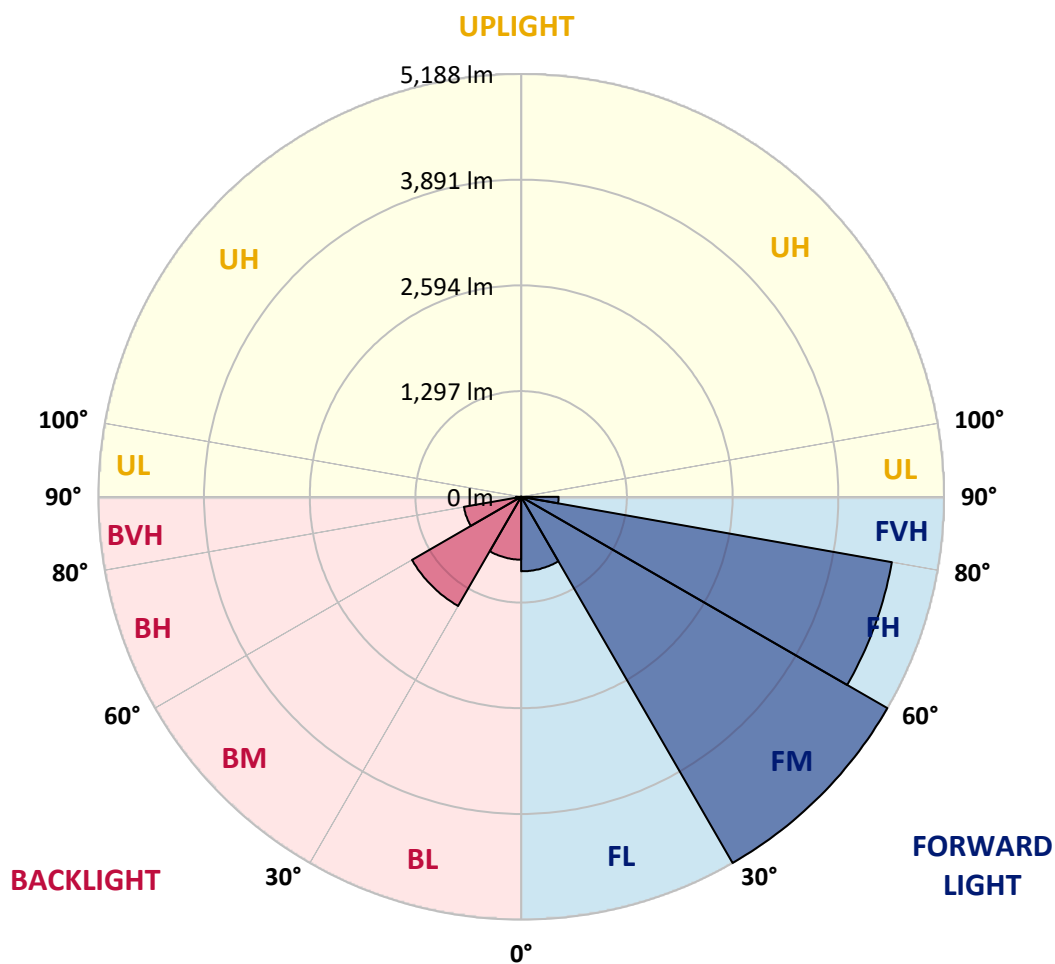
CATALOG NUMBER: VXM-E05-LED-E1-SLL-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 914.1  | 6.4       |                         |      |         |
| FM   | (30°-60°)   | 5188.0 | 36.3      |                         |      |         |
| FH   | (60°-80°)   | 4618.3 | 32.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 459.4  | 3.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 770.7  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1547.2 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 713.6  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 64.1   | 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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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°     | 40°     | 45°     | 50°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0  | 1794.0  | 1794.0  | 1794.0  |
| 2.5°  | 1770.0 | 1773.5 | 1773.5 | 1771.7 | 1771.7 | 1775.2 | 1773.5 | 1771.7  | 1766.6  | 1773.5  | 1773.5  |
| 5°    | 1756.4 | 1759.8 | 1759.8 | 1763.2 | 1766.6 | 1770.0 | 1770.0 | 1773.5  | 1771.7  | 1778.6  | 1783.7  |
| 7.5°  | 1773.5 | 1776.9 | 1783.7 | 1792.3 | 1797.4 | 1809.4 | 1809.4 | 1817.9  | 1821.3  | 1826.5  | 1824.8  |
| 10°   | 1795.7 | 1804.2 | 1819.6 | 1833.3 | 1843.6 | 1857.3 | 1867.5 | 1879.5  | 1879.5  | 1884.6  | 1888.0  |
| 12.5° | 1835.0 | 1843.6 | 1860.7 | 1877.8 | 1893.2 | 1910.3 | 1925.7 | 1937.6  | 1949.6  | 1953.0  | 1959.9  |
| 15°   | 1900.0 | 1910.3 | 1935.9 | 1959.9 | 1978.7 | 2000.9 | 2021.4 | 2045.4  | 2067.6  | 2072.7  | 2076.2  |
| 17.5° | 1997.5 | 2018.0 | 2036.8 | 2079.6 | 2106.9 | 2136.0 | 2168.5 | 2202.7  | 2209.5  | 2245.5  | 2254.0  |
| 20°   | 2136.0 | 2161.7 | 2178.8 | 2231.8 | 2278.0 | 2315.6 | 2363.5 | 2402.8  | 2418.2  | 2452.4  | 2486.6  |
| 22.5° | 2375.4 | 2370.3 | 2396.0 | 2449.0 | 2483.2 | 2558.4 | 2599.5 | 2640.5  | 2661.0  | 2712.3  | 2739.7  |
| 25°   | 2696.9 | 2724.3 | 2780.7 | 2785.9 | 2818.4 | 2905.6 | 2958.6 | 2999.6  | 3001.4  | 3016.8  | 3045.8  |
| 27.5° | 3013.3 | 3126.2 | 3215.1 | 3263.0 | 3350.2 | 3430.6 | 3427.2 | 3485.3  | 3394.7  | 3413.5  | 3440.9  |
| 30°   | 3396.4 | 3584.5 | 3752.1 | 3865.0 | 3953.9 | 4048.0 | 4094.2 | 4126.7  | 4087.3  | 4070.2  | 4037.7  |
| 32.5° | 3755.5 | 4018.9 | 4277.1 | 4477.2 | 4643.1 | 4798.8 | 4901.4 | 4947.5  | 5002.3  | 5140.8  | 5190.4  |
| 35°   | 4001.8 | 4374.6 | 4696.1 | 4985.2 | 5262.2 | 5510.2 | 5689.8 | 5792.4  | 5753.0  | 5734.2  | 5724.0  |
| 37.5° | 4148.9 | 4603.8 | 5005.7 | 5414.4 | 5732.5 | 6103.6 | 6382.4 | 6652.6  | 6714.1  | 6606.4  | 6553.4  |
| 40°   | 4241.2 | 4779.9 | 5296.4 | 5778.7 | 6190.8 | 6669.7 | 7015.1 | 7420.5  | 7728.3  | 7769.3  | 7642.8  |
| 42.5° | 4285.7 | 4897.9 | 5499.9 | 6045.5 | 6603.0 | 7189.6 | 7627.4 | 8118.2  | 8578.2  | 8894.6  | 8816.0  |
| 45°   | 4292.5 | 4974.9 | 5648.7 | 6286.6 | 6950.2 | 7646.2 | 8210.6 | 8754.4  | 9370.1  | 9912.2  | 9927.6  |
| 47.5° | 4292.5 | 5033.0 | 5751.3 | 6461.0 | 7261.4 | 8043.0 | 8658.6 | 9301.6  | 10055.8 | 10697.1 | 10893.8 |
| 50°   | 4296.0 | 5072.4 | 5847.1 | 6597.9 | 7499.1 | 8378.2 | 9074.2 | 9833.5  | 10627.0 | 11324.8 | 11704.4 |
| 52.5° | 4311.4 | 5101.5 | 5922.3 | 6695.3 | 7653.0 | 8614.2 | 9397.4 | 10273.0 | 11063.1 | 11779.7 | 12270.5 |
| 55°   | 4345.6 | 5142.5 | 5977.1 | 6755.2 | 7755.6 | 8768.1 | 9631.7 | 10574.0 | 11345.3 | 12072.1 | 12757.9 |
| 57.5° | 4441.3 | 5214.3 | 6043.8 | 6808.2 | 7812.1 | 8869.0 | 9795.9 | 10704.0 | 11453.0 | 12210.7 | 13016.1 |
| 60°   | 4632.9 | 5366.5 | 6158.3 | 6914.2 | 7906.1 | 9055.4 | 9874.6 | 10616.8 | 11374.4 | 12169.6 | 13074.3 |
| 62.5° | 4939.0 | 5604.2 | 6317.4 | 7093.8 | 8174.6 | 9344.4 | 9814.7 | 10356.8 | 11064.8 | 11931.9 | 12867.4 |
| 63°   | 5045.0 | 5655.6 | 6353.3 | 7133.1 | 8248.2 | 9397.4 | 9789.0 | 10279.9 | 11001.6 | 11856.6 | 12793.8 |
| 65°   | 5340.9 | 5883.0 | 6524.3 | 7331.5 | 8550.9 | 9450.4 | 9589.0 | 9879.7  | 10563.8 | 11427.4 | 12359.4 |
| 67.5° | 5893.3 | 6435.4 | 6892.0 | 7666.7 | 8805.7 | 9241.8 | 8968.2 | 9004.1  | 9718.9  | 10613.4 | 11451.3 |
| 70°   | 6242.1 | 6888.6 | 7126.3 | 7709.5 | 8759.5 | 8932.2 | 8164.4 | 7689.0  | 8261.9  | 9281.1  | 10014.8 |
| 72.5° | 6151.5 | 6893.7 | 6868.1 | 7140.0 | 7836.0 | 7996.8 | 7201.6 | 6452.5  | 6792.8  | 7553.8  | 8029.3  |
| 75°   | 5269.1 | 6156.6 | 5968.5 | 5913.8 | 6158.3 | 6264.4 | 5667.5 | 5552.9  | 5982.2  | 6404.6  | 6411.4  |
| 77.5° | 3793.2 | 4769.7 | 4549.1 | 4232.7 | 4215.6 | 4460.1 | 4540.5 | 5291.3  | 5925.8  | 6259.2  | 6112.2  |
| 80°   | 2416.5 | 3475.1 | 3245.9 | 2693.5 | 2685.0 | 3003.1 | 3709.4 | 4730.3  | 5402.4  | 5588.9  | 5205.8  |
| 82.5° | 1262.1 | 2274.5 | 2361.8 | 2021.4 | 2313.9 | 2840.6 | 3529.8 | 3812.0  | 4066.8  | 4092.5  | 3641.0  |
| 85°   | 786.7  | 1398.9 | 1645.2 | 1698.2 | 2089.8 | 2519.1 | 2514.0 | 2414.8  | 2301.9  | 1970.1  | 1782.0  |
| 87.5° | 88.9   | 176.1  | 266.8  | 253.1  | 340.3  | 477.1  | 595.1  | 348.9   | 244.6   | 88.9    | 123.1   |
| 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°    | 1794.0  | 1794.0  | 1794.0  | 1794.0  | 1794.0  | 1794.0  | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 |
| 2.5°  | 1776.9  | 1778.6  | 1780.3  | 1780.3  | 1788.8  | 1787.1  | 1788.8 | 1792.3 | 1797.4 | 1800.8 | 1804.2 |
| 5°    | 1790.6  | 1790.6  | 1797.4  | 1802.5  | 1812.8  | 1819.6  | 1823.0 | 1833.3 | 1845.3 | 1841.9 | 1852.1 |
| 7.5°  | 1835.0  | 1833.3  | 1840.1  | 1843.6  | 1852.1  | 1864.1  | 1862.4 | 1870.9 | 1881.2 | 1884.6 | 1893.2 |
| 10°   | 1894.9  | 1889.7  | 1889.7  | 1886.3  | 1888.0  | 1884.6  | 1884.6 | 1884.6 | 1891.5 | 1889.7 | 1896.6 |
| 12.5° | 1956.4  | 1954.7  | 1951.3  | 1941.0  | 1941.0  | 1927.4  | 1920.5 | 1912.0 | 1910.3 | 1898.3 | 1900.0 |
| 15°   | 2083.0  | 2083.0  | 2076.2  | 2055.6  | 2038.5  | 2026.6  | 2009.5 | 1997.5 | 1980.4 | 1958.2 | 1946.2 |
| 17.5° | 2267.7  | 2243.8  | 2235.2  | 2231.8  | 2204.4  | 2194.2  | 2156.5 | 2117.2 | 2098.4 | 2067.6 | 2050.5 |
| 20°   | 2493.4  | 2488.3  | 2454.1  | 2437.0  | 2402.8  | 2354.9  | 2307.0 | 2255.7 | 2224.9 | 2187.3 | 2166.8 |
| 22.5° | 2748.3  | 2710.6  | 2693.5  | 2667.9  | 2614.9  | 2560.1  | 2488.3 | 2419.9 | 2372.0 | 2346.4 | 2331.0 |
| 25°   | 3045.8  | 3008.2  | 2991.1  | 2956.9  | 2891.9  | 2833.8  | 2744.8 | 2664.5 | 2621.7 | 2578.9 | 2555.0 |
| 27.5° | 3440.9  | 3405.0  | 3384.4  | 3295.5  | 3273.3  | 3177.5  | 3068.1 | 2958.6 | 2902.2 | 2838.9 | 2797.8 |
| 30°   | 4030.9  | 4032.6  | 3926.6  | 3818.8  | 3707.7  | 3541.8  | 3427.2 | 3304.1 | 3211.7 | 3121.1 | 3030.4 |
| 32.5° | 5027.9  | 4773.1  | 4576.4  | 4345.6  | 4104.4  | 3928.3  | 3786.3 | 3639.3 | 3511.0 | 3379.3 | 3228.8 |
| 35°   | 5636.7  | 5513.6  | 5258.8  | 4836.4  | 4593.5  | 4379.8  | 4222.4 | 4044.6 | 3887.2 | 3654.6 | 3425.5 |
| 37.5° | 6324.2  | 6038.6  | 5729.1  | 5494.8  | 5219.5  | 4971.5  | 4708.1 | 4506.3 | 4234.4 | 3921.4 | 3596.5 |
| 40°   | 7328.1  | 6919.4  | 6546.6  | 6231.9  | 5876.2  | 5616.2  | 5322.1 | 5029.6 | 4668.8 | 4215.6 | 3769.2 |
| 42.5° | 8376.4  | 7954.0  | 7461.5  | 7052.8  | 6633.8  | 6329.4  | 5965.1 | 5554.7 | 5024.5 | 4463.6 | 3918.0 |
| 45°   | 9476.1  | 8911.7  | 8321.7  | 7822.3  | 7386.2  | 7008.3  | 6556.8 | 6013.0 | 5366.5 | 4685.9 | 4056.5 |
| 47.5° | 10560.3 | 9912.2  | 9209.3  | 8672.3  | 8104.5  | 7642.8  | 7088.7 | 6401.2 | 5633.3 | 4896.2 | 4195.1 |
| 50°   | 11516.3 | 10892.1 | 10045.6 | 9363.2  | 8788.6  | 8219.1  | 7528.2 | 6700.5 | 5843.7 | 5077.5 | 4319.9 |
| 52.5° | 12340.6 | 11803.6 | 10912.6 | 10050.7 | 9388.9  | 8749.3  | 7882.2 | 6941.6 | 6055.7 | 5245.1 | 4422.5 |
| 55°   | 12946.0 | 12588.6 | 11767.7 | 10698.9 | 9917.3  | 9154.6  | 8181.5 | 7174.2 | 6255.8 | 5378.5 | 4489.2 |
| 57.5° | 13402.6 | 13204.3 | 12499.7 | 11309.4 | 10403.0 | 9547.9  | 8491.0 | 7452.9 | 6454.2 | 5493.1 | 4520.0 |
| 60°   | 13652.3 | 13707.1 | 13053.8 | 11843.0 | 10832.3 | 9876.3  | 8800.6 | 7690.7 | 6601.3 | 5559.8 | 4502.9 |
| 62.5° | 13628.4 | 13963.6 | 13469.3 | 12171.3 | 11081.9 | 10071.2 | 9009.2 | 7801.8 | 6580.8 | 5453.8 | 4347.3 |
| 63°   | 13582.2 | 13972.1 | 13515.5 | 12193.6 | 11097.3 | 10078.1 | 9014.3 | 7786.4 | 6538.0 | 5402.4 | 4285.7 |
| 65°   | 13183.7 | 13775.5 | 13476.2 | 12092.7 | 10960.5 | 9949.8  | 8906.6 | 7564.1 | 6237.0 | 5127.1 | 3969.3 |
| 67.5° | 12116.6 | 12857.1 | 12771.6 | 11379.5 | 10312.4 | 9419.6  | 8355.9 | 6847.5 | 5493.1 | 4449.9 | 3363.9 |
| 70°   | 10353.4 | 11049.4 | 11064.8 | 9896.8  | 9005.8  | 8130.2  | 7246.0 | 5571.8 | 4354.1 | 3449.4 | 2508.8 |
| 72.5° | 7935.2  | 8383.3  | 8538.9  | 7769.3  | 7172.5  | 6556.8  | 5763.3 | 4044.6 | 3104.0 | 2346.4 | 1633.2 |
| 75°   | 6144.7  | 6021.5  | 6019.8  | 5694.9  | 5452.0  | 5151.0  | 4278.9 | 2729.4 | 2038.5 | 1525.5 | 998.7  |
| 77.5° | 5523.9  | 4976.6  | 4446.5  | 4056.5  | 3861.6  | 3760.7  | 2806.4 | 1645.2 | 1202.3 | 877.3  | 574.6  |
| 80°   | 4555.9  | 3748.7  | 3028.7  | 2608.0  | 2440.4  | 2556.7  | 1564.8 | 889.3  | 658.4  | 499.4  | 372.8  |
| 82.5° | 3141.6  | 2608.0  | 1982.1  | 1641.8  | 1409.2  | 1474.2  | 800.4  | 454.9  | 304.4  | 278.8  | 230.9  |
| 85°   | 1636.6  | 1434.8  | 1210.8  | 1039.8  | 918.4   | 807.2   | 415.6  | 217.2  | 126.6  | 111.2  | 100.9  |
| 87.5° | 0.0     | 1.7     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°    | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 |
| 2.5°  | 1809.4 | 1807.7 | 1811.1 | 1812.8 | 1817.9 | 1821.3 | 1823.0 | 1819.6 | 1824.8 | 1829.9 | 1826.5 |
| 5°    | 1857.3 | 1869.2 | 1870.9 | 1876.1 | 1876.1 | 1886.3 | 1886.3 | 1886.3 | 1884.6 | 1886.3 | 1882.9 |
| 7.5°  | 1898.3 | 1913.7 | 1915.4 | 1922.2 | 1923.9 | 1935.9 | 1930.8 | 1934.2 | 1934.2 | 1925.7 | 1922.2 |
| 10°   | 1903.4 | 1918.8 | 1927.4 | 1935.9 | 1947.9 | 1963.3 | 1963.3 | 1971.8 | 1971.8 | 1965.0 | 1963.3 |
| 12.5° | 1905.1 | 1917.1 | 1925.7 | 1937.6 | 1954.7 | 1977.0 | 1988.9 | 2000.9 | 2006.0 | 2004.3 | 1999.2 |
| 15°   | 1941.0 | 1941.0 | 1942.8 | 1953.0 | 1965.0 | 1992.4 | 2009.5 | 2023.1 | 2031.7 | 2028.3 | 2019.7 |
| 17.5° | 2035.1 | 2021.4 | 2011.2 | 1994.1 | 1997.5 | 2011.2 | 2021.4 | 2033.4 | 2035.1 | 2031.7 | 2018.0 |
| 20°   | 2144.6 | 2127.5 | 2101.8 | 2074.4 | 2060.8 | 2050.5 | 2043.7 | 2043.7 | 2038.5 | 2021.4 | 1999.2 |
| 22.5° | 2300.2 | 2278.0 | 2242.0 | 2201.0 | 2173.6 | 2141.1 | 2101.8 | 2064.2 | 2023.1 | 1982.1 | 1934.2 |
| 25°   | 2515.7 | 2484.9 | 2447.3 | 2384.0 | 2325.8 | 2257.4 | 2177.1 | 2093.3 | 1995.8 | 1910.3 | 1840.1 |
| 27.5° | 2732.9 | 2664.5 | 2567.0 | 2479.8 | 2372.0 | 2269.4 | 2154.8 | 2052.2 | 1927.4 | 1824.8 | 1747.8 |
| 30°   | 2912.4 | 2782.5 | 2642.2 | 2503.7 | 2361.8 | 2223.2 | 2086.4 | 1963.3 | 1826.5 | 1722.1 | 1646.9 |
| 32.5° | 3051.0 | 2871.4 | 2676.4 | 2495.1 | 2320.7 | 2151.4 | 1994.1 | 1857.3 | 1718.7 | 1611.0 | 1530.6 |
| 35°   | 3179.2 | 2929.5 | 2681.6 | 2457.5 | 2242.0 | 2065.9 | 1888.0 | 1739.2 | 1592.2 | 1479.3 | 1392.1 |
| 37.5° | 3275.0 | 2956.9 | 2650.8 | 2387.4 | 2139.4 | 1942.8 | 1761.5 | 1609.3 | 1458.8 | 1335.6 | 1236.5 |
| 40°   | 3336.6 | 2939.8 | 2584.1 | 2286.5 | 2018.0 | 1811.1 | 1626.4 | 1469.0 | 1323.7 | 1188.6 | 1068.9 |
| 42.5° | 3386.1 | 2917.6 | 2517.4 | 2194.2 | 1922.2 | 1696.5 | 1506.7 | 1337.4 | 1190.3 | 1043.2 | 911.5  |
| 45°   | 3459.7 | 2934.7 | 2488.3 | 2129.2 | 1836.7 | 1599.0 | 1390.4 | 1214.2 | 1060.3 | 916.7  | 790.1  |
| 47.5° | 3531.5 | 2943.2 | 2445.6 | 2048.8 | 1729.0 | 1498.1 | 1286.1 | 1115.0 | 957.7  | 826.0  | 709.7  |
| 50°   | 3596.5 | 2938.1 | 2378.9 | 1946.2 | 1624.7 | 1397.2 | 1192.0 | 1021.0 | 865.3  | 743.9  | 634.5  |
| 52.5° | 3627.3 | 2909.0 | 2296.8 | 1847.0 | 1540.9 | 1308.3 | 1099.6 | 933.8  | 779.8  | 665.3  | 564.4  |
| 55°   | 3623.9 | 2833.8 | 2189.0 | 1752.9 | 1448.5 | 1214.2 | 1009.0 | 844.8  | 706.3  | 600.3  | 513.1  |
| 57.5° | 3572.6 | 2717.5 | 2074.4 | 1648.6 | 1327.1 | 1097.9 | 903.0  | 743.9  | 627.6  | 538.7  | 465.2  |
| 60°   | 3464.8 | 2568.7 | 1923.9 | 1496.4 | 1174.9 | 954.3  | 771.3  | 634.5  | 540.4  | 472.0  | 424.1  |
| 62.5° | 3263.0 | 2354.9 | 1735.8 | 1284.3 | 969.7  | 767.9  | 608.8  | 519.9  | 449.8  | 408.7  | 386.5  |
| 63°   | 3203.2 | 2296.8 | 1655.5 | 1233.0 | 921.8  | 725.1  | 574.6  | 482.3  | 431.0  | 395.1  | 374.5  |
| 65°   | 2905.6 | 2011.2 | 1385.2 | 995.3  | 716.6  | 559.2  | 461.7  | 391.6  | 360.8  | 345.5  | 343.7  |
| 67.5° | 2353.2 | 1581.9 | 979.9  | 682.4  | 487.4  | 403.6  | 354.0  | 324.9  | 311.3  | 307.8  | 311.3  |
| 70°   | 1652.0 | 998.7  | 622.5  | 453.2  | 360.8  | 324.9  | 302.7  | 290.7  | 282.2  | 283.9  | 287.3  |
| 72.5° | 1053.5 | 598.6  | 427.5  | 343.7  | 304.4  | 285.6  | 275.3  | 271.9  | 270.2  | 268.5  | 268.5  |
| 75°   | 600.3  | 398.5  | 328.4  | 297.6  | 277.0  | 261.7  | 253.1  | 249.7  | 251.4  | 253.1  | 249.7  |
| 77.5° | 396.8  | 328.4  | 292.4  | 271.9  | 253.1  | 236.0  | 230.9  | 229.2  | 232.6  | 236.0  | 236.0  |
| 80°   | 313.0  | 292.4  | 271.9  | 251.4  | 220.6  | 208.6  | 212.1  | 213.8  | 212.1  | 213.8  | 208.6  |
| 82.5° | 220.6  | 217.2  | 222.3  | 213.8  | 183.0  | 172.7  | 169.3  | 171.0  | 167.6  | 167.6  | 164.2  |
| 85°   | 102.6  | 102.6  | 107.7  | 107.7  | 104.3  | 106.0  | 114.6  | 124.8  | 130.0  | 124.8  | 118.0  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 15.4   | 30.8   | 44.5   | 47.9   | 59.9   | 58.1   |
| 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):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 |
| 2.5°  | 1821.3 | 1824.8 | 1823.0 | 1821.3 | 1824.8 | 1821.3 | 1823.0 | 1821.3 | 1821.3 | 1819.6 | 1819.6 |
| 5°    | 1879.5 | 1884.6 | 1874.4 | 1872.6 | 1869.2 | 1860.7 | 1860.7 | 1857.3 | 1857.3 | 1850.4 | 1845.3 |
| 7.5°  | 1917.1 | 1918.8 | 1910.3 | 1908.6 | 1900.0 | 1891.5 | 1884.6 | 1877.8 | 1876.1 | 1870.9 | 1860.7 |
| 10°   | 1953.0 | 1949.6 | 1942.8 | 1934.2 | 1925.7 | 1913.7 | 1905.1 | 1896.6 | 1894.9 | 1886.3 | 1874.4 |
| 12.5° | 1983.8 | 1982.1 | 1968.4 | 1959.9 | 1946.2 | 1934.2 | 1923.9 | 1913.7 | 1908.6 | 1898.3 | 1881.2 |
| 15°   | 2004.3 | 1994.1 | 1977.0 | 1961.6 | 1946.2 | 1932.5 | 1920.5 | 1908.6 | 1903.4 | 1891.5 | 1874.4 |
| 17.5° | 1995.8 | 1977.0 | 1954.7 | 1935.9 | 1915.4 | 1898.3 | 1888.0 | 1876.1 | 1867.5 | 1860.7 | 1836.7 |
| 20°   | 1965.0 | 1937.6 | 1903.4 | 1881.2 | 1853.8 | 1831.6 | 1824.8 | 1812.8 | 1805.9 | 1780.3 | 1749.5 |
| 22.5° | 1884.6 | 1845.3 | 1802.5 | 1770.0 | 1739.2 | 1717.0 | 1699.9 | 1687.9 | 1670.8 | 1655.5 | 1607.6 |
| 25°   | 1783.7 | 1739.2 | 1694.8 | 1655.5 | 1614.4 | 1580.2 | 1549.4 | 1520.3 | 1511.8 | 1479.3 | 1433.1 |
| 27.5° | 1686.2 | 1636.6 | 1592.2 | 1546.0 | 1493.0 | 1450.2 | 1397.2 | 1356.2 | 1328.8 | 1294.6 | 1251.8 |
| 30°   | 1581.9 | 1532.3 | 1472.5 | 1410.9 | 1349.3 | 1303.2 | 1243.3 | 1193.7 | 1159.5 | 1123.6 | 1084.3 |
| 32.5° | 1450.2 | 1390.4 | 1318.5 | 1250.1 | 1193.7 | 1139.0 | 1079.1 | 1031.2 | 997.0  | 964.5  | 926.9  |
| 35°   | 1299.7 | 1221.1 | 1144.1 | 1068.9 | 1009.0 | 962.8  | 909.8  | 873.9  | 850.0  | 820.9  | 781.6  |
| 37.5° | 1127.0 | 1038.1 | 956.0  | 897.8  | 844.8  | 800.4  | 762.7  | 740.5  | 714.9  | 699.5  | 675.5  |
| 40°   | 952.6  | 865.3  | 785.0  | 732.0  | 687.5  | 661.8  | 641.3  | 636.2  | 619.1  | 598.6  | 583.2  |
| 42.5° | 798.7  | 714.9  | 636.2  | 593.4  | 564.4  | 557.5  | 547.3  | 547.3  | 538.7  | 523.3  | 513.1  |
| 45°   | 694.3  | 607.1  | 538.7  | 507.9  | 492.5  | 490.8  | 485.7  | 485.7  | 484.0  | 477.1  | 465.2  |
| 47.5° | 619.1  | 540.4  | 487.4  | 468.6  | 465.2  | 461.7  | 456.6  | 454.9  | 453.2  | 448.1  | 441.2  |
| 50°   | 550.7  | 484.0  | 449.8  | 441.2  | 442.9  | 437.8  | 432.7  | 427.5  | 425.8  | 420.7  | 413.9  |
| 52.5° | 487.4  | 439.5  | 417.3  | 412.2  | 412.2  | 412.2  | 408.7  | 408.7  | 405.3  | 403.6  | 396.8  |
| 55°   | 451.5  | 415.6  | 403.6  | 401.9  | 400.2  | 398.5  | 395.1  | 395.1  | 391.6  | 389.9  | 381.4  |
| 57.5° | 420.7  | 398.5  | 391.6  | 388.2  | 386.5  | 383.1  | 381.4  | 381.4  | 381.4  | 381.4  | 371.1  |
| 60°   | 396.8  | 386.5  | 384.8  | 381.4  | 379.7  | 372.8  | 369.4  | 367.7  | 369.4  | 371.1  | 360.8  |
| 62.5° | 371.1  | 369.4  | 367.7  | 364.3  | 362.6  | 355.7  | 350.6  | 347.2  | 350.6  | 354.0  | 352.3  |
| 63°   | 364.3  | 362.6  | 362.6  | 360.8  | 359.1  | 350.6  | 345.5  | 342.0  | 345.5  | 348.9  | 348.9  |
| 65°   | 340.3  | 342.0  | 342.0  | 340.3  | 338.6  | 333.5  | 326.6  | 323.2  | 324.9  | 330.1  | 331.8  |
| 67.5° | 314.7  | 316.4  | 314.7  | 316.4  | 314.7  | 311.3  | 306.1  | 302.7  | 301.0  | 302.7  | 304.4  |
| 70°   | 290.7  | 294.2  | 292.4  | 290.7  | 289.0  | 289.0  | 285.6  | 280.5  | 278.8  | 277.0  | 277.0  |
| 72.5° | 270.2  | 270.2  | 266.8  | 266.8  | 265.1  | 265.1  | 261.7  | 256.5  | 254.8  | 254.8  | 251.4  |
| 75°   | 248.0  | 248.0  | 242.8  | 242.8  | 239.4  | 241.1  | 237.7  | 232.6  | 230.9  | 230.9  | 229.2  |
| 77.5° | 234.3  | 229.2  | 220.6  | 218.9  | 217.2  | 217.2  | 215.5  | 210.4  | 208.6  | 208.6  | 206.9  |
| 80°   | 206.9  | 196.7  | 188.1  | 186.4  | 188.1  | 191.5  | 191.5  | 188.1  | 188.1  | 188.1  | 188.1  |
| 82.5° | 160.8  | 157.3  | 152.2  | 148.8  | 148.8  | 153.9  | 160.8  | 164.2  | 167.6  | 171.0  | 171.0  |
| 85°   | 118.0  | 119.7  | 118.0  | 112.9  | 111.2  | 116.3  | 123.1  | 130.0  | 131.7  | 138.5  | 136.8  |
| 87.5° | 63.3   | 65.0   | 59.9   | 58.1   | 63.3   | 66.7   | 73.5   | 75.2   | 78.7   | 80.4   | 82.1   |
| 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):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 |
| 2.5°  | 1817.9 | 1816.2 | 1817.9 | 1814.5 | 1814.5 | 1811.1 | 1807.7 | 1805.9 | 1802.5 | 1800.8 | 1797.4 |
| 5°    | 1848.7 | 1843.6 | 1838.4 | 1836.7 | 1829.9 | 1823.0 | 1817.9 | 1809.4 | 1802.5 | 1790.6 | 1787.1 |
| 7.5°  | 1869.2 | 1857.3 | 1850.4 | 1848.7 | 1838.4 | 1833.3 | 1821.3 | 1811.1 | 1800.8 | 1785.4 | 1780.3 |
| 10°   | 1877.8 | 1865.8 | 1853.8 | 1848.7 | 1836.7 | 1828.2 | 1816.2 | 1800.8 | 1792.3 | 1776.9 | 1773.5 |
| 12.5° | 1888.0 | 1865.8 | 1847.0 | 1833.3 | 1816.2 | 1797.4 | 1785.4 | 1776.9 | 1764.9 | 1756.4 | 1752.9 |
| 15°   | 1869.2 | 1840.1 | 1811.1 | 1785.4 | 1758.1 | 1737.5 | 1725.6 | 1711.9 | 1698.2 | 1693.1 | 1693.1 |
| 17.5° | 1817.9 | 1780.3 | 1730.7 | 1698.2 | 1669.1 | 1646.9 | 1631.5 | 1617.8 | 1616.1 | 1609.3 | 1612.7 |
| 20°   | 1711.9 | 1662.3 | 1614.4 | 1590.5 | 1573.4 | 1559.7 | 1544.3 | 1537.4 | 1532.3 | 1522.1 | 1518.6 |
| 22.5° | 1564.8 | 1523.8 | 1489.6 | 1472.5 | 1458.8 | 1441.7 | 1428.0 | 1407.5 | 1402.3 | 1392.1 | 1387.0 |
| 25°   | 1402.3 | 1369.9 | 1340.8 | 1328.8 | 1320.3 | 1296.3 | 1287.8 | 1260.4 | 1241.6 | 1229.6 | 1236.5 |
| 27.5° | 1239.9 | 1215.9 | 1188.6 | 1173.2 | 1168.1 | 1145.8 | 1137.3 | 1106.5 | 1091.1 | 1091.1 | 1074.0 |
| 30°   | 1072.3 | 1050.0 | 1032.9 | 1015.8 | 1012.4 | 985.1  | 962.8  | 950.9  | 933.8  | 926.9  | 914.9  |
| 32.5° | 914.9  | 892.7  | 879.0  | 870.5  | 856.8  | 834.6  | 812.3  | 791.8  | 764.4  | 754.2  | 749.1  |
| 35°   | 769.6  | 752.5  | 735.4  | 728.5  | 709.7  | 685.8  | 658.4  | 641.3  | 608.8  | 596.9  | 591.7  |
| 37.5° | 658.4  | 637.9  | 625.9  | 607.1  | 588.3  | 562.6  | 542.1  | 526.7  | 514.8  | 509.6  | 509.6  |
| 40°   | 569.5  | 554.1  | 540.4  | 525.0  | 509.6  | 496.0  | 485.7  | 482.3  | 480.6  | 480.6  | 484.0  |
| 42.5° | 502.8  | 489.1  | 482.3  | 473.7  | 468.6  | 468.6  | 466.9  | 468.6  | 470.3  | 472.0  | 477.1  |
| 45°   | 458.3  | 449.8  | 446.4  | 444.6  | 448.1  | 451.5  | 453.2  | 456.6  | 463.5  | 466.9  | 468.6  |
| 47.5° | 434.4  | 427.5  | 425.8  | 427.5  | 432.7  | 439.5  | 446.4  | 451.5  | 456.6  | 458.3  | 460.0  |
| 50°   | 410.4  | 401.9  | 398.5  | 401.9  | 408.7  | 419.0  | 424.1  | 432.7  | 436.1  | 439.5  | 436.1  |
| 52.5° | 389.9  | 383.1  | 381.4  | 381.4  | 388.2  | 395.1  | 401.9  | 408.7  | 410.4  | 410.4  | 408.7  |
| 55°   | 372.8  | 367.7  | 362.6  | 366.0  | 371.1  | 377.9  | 388.2  | 393.3  | 396.8  | 398.5  | 398.5  |
| 57.5° | 359.1  | 354.0  | 348.9  | 352.3  | 357.4  | 364.3  | 374.5  | 379.7  | 383.1  | 388.2  | 389.9  |
| 60°   | 348.9  | 342.0  | 336.9  | 342.0  | 347.2  | 357.4  | 366.0  | 371.1  | 379.7  | 381.4  | 381.4  |
| 62.5° | 338.6  | 331.8  | 323.2  | 328.4  | 328.4  | 333.5  | 342.0  | 348.9  | 357.4  | 360.8  | 360.8  |
| 63°   | 336.9  | 330.1  | 321.5  | 324.9  | 324.9  | 328.4  | 335.2  | 342.0  | 352.3  | 355.7  | 354.0  |
| 65°   | 323.2  | 321.5  | 313.0  | 313.0  | 309.5  | 313.0  | 318.1  | 324.9  | 330.1  | 335.2  | 335.2  |
| 67.5° | 301.0  | 299.3  | 297.6  | 297.6  | 297.6  | 301.0  | 304.4  | 309.5  | 314.7  | 318.1  | 316.4  |
| 70°   | 275.3  | 275.3  | 275.3  | 277.0  | 277.0  | 280.5  | 282.2  | 280.5  | 285.6  | 289.0  | 287.3  |
| 72.5° | 253.1  | 251.4  | 249.7  | 253.1  | 251.4  | 251.4  | 254.8  | 253.1  | 258.2  | 258.2  | 259.9  |
| 75°   | 229.2  | 227.5  | 227.5  | 229.2  | 225.7  | 222.3  | 224.0  | 224.0  | 225.7  | 225.7  | 229.2  |
| 77.5° | 208.6  | 208.6  | 208.6  | 206.9  | 203.5  | 201.8  | 200.1  | 200.1  | 200.1  | 200.1  | 201.8  |
| 80°   | 189.8  | 189.8  | 189.8  | 188.1  | 184.7  | 181.3  | 177.9  | 176.1  | 174.4  | 165.9  | 165.9  |
| 82.5° | 171.0  | 171.0  | 171.0  | 171.0  | 169.3  | 165.9  | 160.8  | 147.1  | 140.2  | 133.4  | 135.1  |
| 85°   | 135.1  | 138.5  | 141.9  | 147.1  | 145.4  | 145.4  | 135.1  | 118.0  | 107.7  | 100.9  | 102.6  |
| 87.5° | 87.2   | 77.0   | 77.0   | 75.2   | 71.8   | 68.4   | 68.4   | 58.1   | 47.9   | 42.8   | 44.5   |
| 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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CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |       |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 0°    |
| 2.5°  | 1797.4 | 1794.0 | 1790.6 | 1790.6 | 1785.4 | 1785.4 | 1782.0 | 1788.8 | 1782.0 | 1776.9 | 1776.9 | 2.5°  |
| 5°    | 1783.7 | 1780.3 | 1770.0 | 1768.3 | 1761.5 | 1761.5 | 1761.5 | 1758.1 | 1758.1 | 1754.6 | 1752.9 | 5°    |
| 7.5°  | 1775.2 | 1766.6 | 1758.1 | 1752.9 | 1752.9 | 1749.5 | 1756.4 | 1752.9 | 1754.6 | 1754.6 | 1756.4 | 7.5°  |
| 10°   | 1768.3 | 1761.5 | 1758.1 | 1756.4 | 1756.4 | 1761.5 | 1766.6 | 1768.3 | 1766.6 | 1768.3 | 1768.3 | 10°   |
| 12.5° | 1751.2 | 1754.6 | 1756.4 | 1763.2 | 1771.7 | 1782.0 | 1794.0 | 1795.7 | 1799.1 | 1799.1 | 1802.5 | 12.5° |
| 15°   | 1696.5 | 1705.0 | 1715.3 | 1732.4 | 1754.6 | 1776.9 | 1799.1 | 1817.9 | 1835.0 | 1843.6 | 1850.4 | 15°   |
| 17.5° | 1619.5 | 1628.1 | 1646.9 | 1665.7 | 1694.8 | 1727.3 | 1764.9 | 1797.4 | 1833.3 | 1865.8 | 1898.3 | 17.5° |
| 20°   | 1515.2 | 1528.9 | 1534.0 | 1568.2 | 1602.4 | 1646.9 | 1691.4 | 1742.7 | 1804.2 | 1865.8 | 1929.1 | 20°   |
| 22.5° | 1380.1 | 1395.5 | 1419.4 | 1446.8 | 1482.7 | 1537.4 | 1590.5 | 1670.8 | 1752.9 | 1840.1 | 1939.3 | 22.5° |
| 25°   | 1229.6 | 1246.7 | 1267.2 | 1296.3 | 1332.2 | 1390.4 | 1467.3 | 1552.8 | 1653.7 | 1768.3 | 1891.5 | 25°   |
| 27.5° | 1074.0 | 1091.1 | 1108.2 | 1128.7 | 1169.8 | 1231.3 | 1322.0 | 1410.9 | 1522.1 | 1646.9 | 1790.6 | 27.5° |
| 30°   | 918.4  | 920.1  | 930.3  | 956.0  | 998.7  | 1079.1 | 1145.8 | 1257.0 | 1373.3 | 1505.0 | 1670.8 | 30°   |
| 32.5° | 747.3  | 745.6  | 757.6  | 779.8  | 820.9  | 897.8  | 979.9  | 1087.7 | 1202.3 | 1368.1 | 1539.2 | 32.5° |
| 35°   | 595.1  | 595.1  | 617.4  | 639.6  | 685.8  | 740.5  | 812.3  | 908.1  | 1043.2 | 1197.1 | 1368.1 | 35°   |
| 37.5° | 514.8  | 526.7  | 540.4  | 562.6  | 598.6  | 641.3  | 704.6  | 788.4  | 894.4  | 1041.5 | 1198.8 | 37.5° |
| 40°   | 489.1  | 496.0  | 507.9  | 528.4  | 559.2  | 598.6  | 644.7  | 708.0  | 790.1  | 908.1  | 1051.8 | 40°   |
| 42.5° | 478.8  | 480.6  | 487.4  | 502.8  | 530.2  | 569.5  | 617.4  | 673.8  | 735.4  | 819.2  | 944.0  | 42.5° |
| 45°   | 468.6  | 466.9  | 470.3  | 482.3  | 504.5  | 549.0  | 603.7  | 665.3  | 726.8  | 796.9  | 899.6  | 45°   |
| 47.5° | 460.0  | 460.0  | 460.0  | 465.2  | 485.7  | 530.2  | 593.4  | 665.3  | 738.8  | 817.5  | 918.4  | 47.5° |
| 50°   | 436.1  | 434.4  | 434.4  | 437.8  | 453.2  | 501.1  | 576.3  | 663.5  | 759.3  | 861.9  | 976.5  | 50°   |
| 52.5° | 408.7  | 408.7  | 410.4  | 412.2  | 425.8  | 473.7  | 557.5  | 663.5  | 783.3  | 920.1  | 1063.7 | 52.5° |
| 55°   | 400.2  | 401.9  | 403.6  | 401.9  | 412.2  | 453.2  | 537.0  | 653.3  | 793.5  | 966.2  | 1157.8 | 55°   |
| 57.5° | 393.3  | 396.8  | 396.8  | 395.1  | 401.9  | 436.1  | 516.5  | 632.8  | 785.0  | 983.4  | 1224.5 | 57.5° |
| 60°   | 383.1  | 383.1  | 383.1  | 377.9  | 381.4  | 412.2  | 485.7  | 600.3  | 757.6  | 968.0  | 1234.7 | 60°   |
| 62.5° | 360.8  | 360.8  | 357.4  | 355.7  | 354.0  | 377.9  | 444.6  | 552.4  | 708.0  | 926.9  | 1209.1 | 62.5° |
| 63°   | 355.7  | 354.0  | 354.0  | 348.9  | 348.9  | 371.1  | 436.1  | 545.5  | 694.3  | 916.7  | 1198.8 | 63°   |
| 65°   | 336.9  | 336.9  | 336.9  | 333.5  | 331.8  | 348.9  | 401.9  | 497.7  | 641.3  | 868.8  | 1147.5 | 65°   |
| 67.5° | 316.4  | 318.1  | 314.7  | 313.0  | 311.3  | 321.5  | 362.6  | 437.8  | 559.2  | 767.9  | 1051.8 | 67.5° |
| 70°   | 287.3  | 289.0  | 289.0  | 287.3  | 285.6  | 292.4  | 318.1  | 376.2  | 463.5  | 639.6  | 896.1  | 70°   |
| 72.5° | 261.7  | 265.1  | 265.1  | 268.5  | 268.5  | 273.6  | 283.9  | 313.0  | 371.1  | 499.4  | 704.6  | 72.5° |
| 75°   | 234.3  | 236.0  | 239.4  | 242.8  | 239.4  | 237.7  | 239.4  | 261.7  | 290.7  | 369.4  | 502.8  | 75°   |
| 77.5° | 210.4  | 215.5  | 215.5  | 213.8  | 208.6  | 205.2  | 205.2  | 215.5  | 239.4  | 280.5  | 359.1  | 77.5° |
| 80°   | 174.4  | 183.0  | 184.7  | 179.6  | 174.4  | 174.4  | 177.9  | 184.7  | 200.1  | 230.9  | 271.9  | 80°   |
| 82.5° | 140.2  | 148.8  | 150.5  | 152.2  | 150.5  | 155.6  | 155.6  | 157.3  | 165.9  | 189.8  | 222.3  | 82.5° |
| 85°   | 107.7  | 114.6  | 119.7  | 121.4  | 123.1  | 124.8  | 123.1  | 114.6  | 119.7  | 135.1  | 150.5  | 85°   |
| 87.5° | 47.9   | 49.6   | 46.2   | 47.9   | 46.2   | 47.9   | 49.6   | 41.0   | 39.3   | 53.0   | 54.7   | 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: P152692

NUMBER: VXM-E05-LED-E1-SLL-7060

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 | 1794.0 |
| 1775.2 | 1775.2 | 1776.9 | 1773.5 | 1773.5 | 1775.2 | 1770.0 |
| 1747.8 | 1754.6 | 1754.6 | 1754.6 | 1751.2 | 1754.6 | 1756.4 |
| 1754.6 | 1759.8 | 1763.2 | 1763.2 | 1761.5 | 1768.3 | 1773.5 |
| 1763.2 | 1771.7 | 1775.2 | 1775.2 | 1775.2 | 1783.7 | 1795.7 |
| 1795.7 | 1802.5 | 1807.7 | 1807.7 | 1811.1 | 1821.3 | 1835.0 |
| 1855.5 | 1864.1 | 1864.1 | 1862.4 | 1872.6 | 1884.6 | 1900.0 |
| 1922.2 | 1946.2 | 1958.2 | 1956.4 | 1965.0 | 1980.4 | 1997.5 |
| 1985.5 | 2052.2 | 2081.3 | 2101.8 | 2110.4 | 2130.9 | 2136.0 |
| 2038.5 | 2149.7 | 2230.1 | 2298.5 | 2331.0 | 2351.5 | 2375.4 |
| 2019.7 | 2170.2 | 2313.9 | 2454.1 | 2553.3 | 2654.2 | 2696.9 |
| 1942.8 | 2130.9 | 2319.0 | 2524.2 | 2703.8 | 2883.4 | 3013.3 |
| 1848.7 | 2074.4 | 2327.5 | 2618.3 | 2902.2 | 3177.5 | 3396.4 |
| 1741.0 | 2021.4 | 2346.4 | 2705.5 | 3078.3 | 3439.2 | 3755.5 |
| 1605.9 | 1920.5 | 2300.2 | 2714.0 | 3153.6 | 3591.4 | 4001.8 |
| 1434.8 | 1783.7 | 2192.4 | 2652.5 | 3157.0 | 3658.1 | 4148.9 |
| 1263.8 | 1611.0 | 2055.6 | 2563.6 | 3112.5 | 3673.5 | 4241.2 |
| 1144.1 | 1457.1 | 1917.1 | 2450.7 | 3040.7 | 3649.5 | 4285.7 |
| 1062.0 | 1345.9 | 1794.0 | 2348.1 | 2963.7 | 3606.8 | 4292.5 |
| 1055.2 | 1298.0 | 1713.6 | 2272.8 | 2902.2 | 3569.1 | 4292.5 |
| 1113.3 | 1323.7 | 1686.2 | 2235.2 | 2876.5 | 3557.2 | 4296.0 |
| 1222.8 | 1426.3 | 1735.8 | 2264.3 | 2897.0 | 3572.6 | 4311.4 |
| 1354.5 | 1581.9 | 1869.2 | 2365.2 | 2984.3 | 3623.9 | 4345.6 |
| 1474.2 | 1761.5 | 2096.7 | 2560.1 | 3143.3 | 3753.8 | 4441.3 |
| 1544.3 | 1915.4 | 2337.8 | 2833.8 | 3415.2 | 4012.1 | 4632.9 |
| 1552.8 | 2000.9 | 2551.6 | 3131.3 | 3745.3 | 4307.9 | 4939.0 |
| 1546.0 | 2007.7 | 2578.9 | 3187.8 | 3815.4 | 4381.5 | 5045.0 |
| 1508.4 | 2009.5 | 2655.9 | 3386.1 | 4058.2 | 4691.0 | 5340.9 |
| 1412.6 | 1954.7 | 2683.3 | 3541.8 | 4364.4 | 5098.0 | 5893.3 |
| 1246.7 | 1799.1 | 2602.9 | 3545.2 | 4482.4 | 5325.5 | 6242.1 |
| 1002.2 | 1503.2 | 2255.7 | 3225.4 | 4171.1 | 5101.5 | 6151.5 |
| 733.7  | 1104.8 | 1705.0 | 2498.6 | 3403.2 | 4246.4 | 5269.1 |
| 487.4  | 714.9  | 1149.2 | 1780.3 | 2440.4 | 3056.1 | 3793.2 |
| 335.2  | 442.9  | 672.1  | 1070.6 | 1493.0 | 1792.3 | 2416.5 |
| 246.3  | 292.4  | 372.8  | 547.3  | 718.3  | 884.2  | 1262.1 |
| 153.9  | 167.6  | 186.4  | 270.2  | 386.5  | 521.6  | 786.7  |
| 41.0   | 42.8   | 39.3   | 53.0   | 83.8   | 80.4   | 88.9   |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)