

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: P152697

Luminaire Tested: **VXM-F05-LED-E1-SLL-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152697  
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-F05-LED-E1-SLL-7060  
Description: VISION SITE MEDIUM LED 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: 11784.7 lumens  
Efficiency: N/A  
Efficacy: 88.4 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: 25 FT



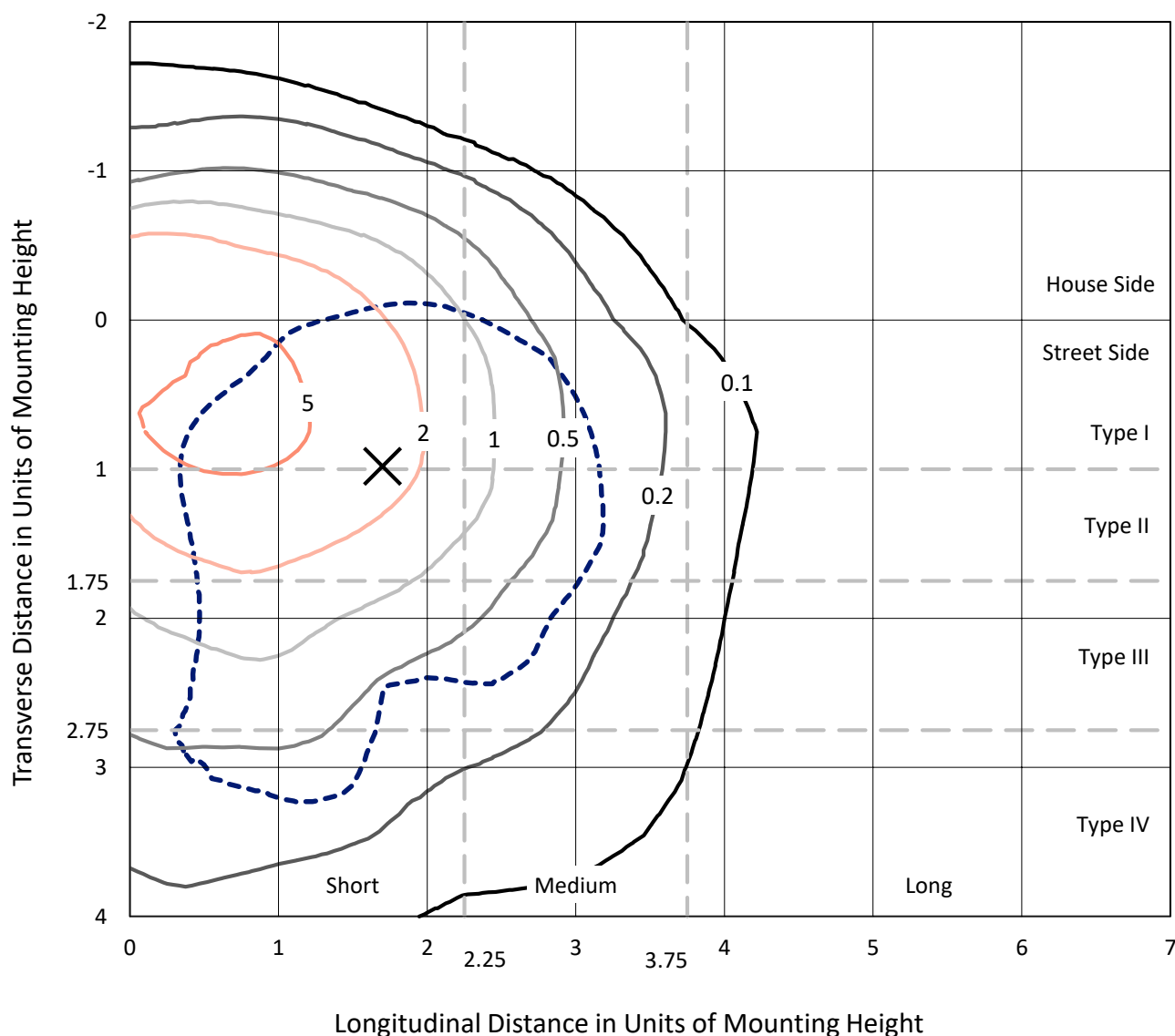
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CATALOG NUMBER: VXM-F05-LED-E1-SLL-7060

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

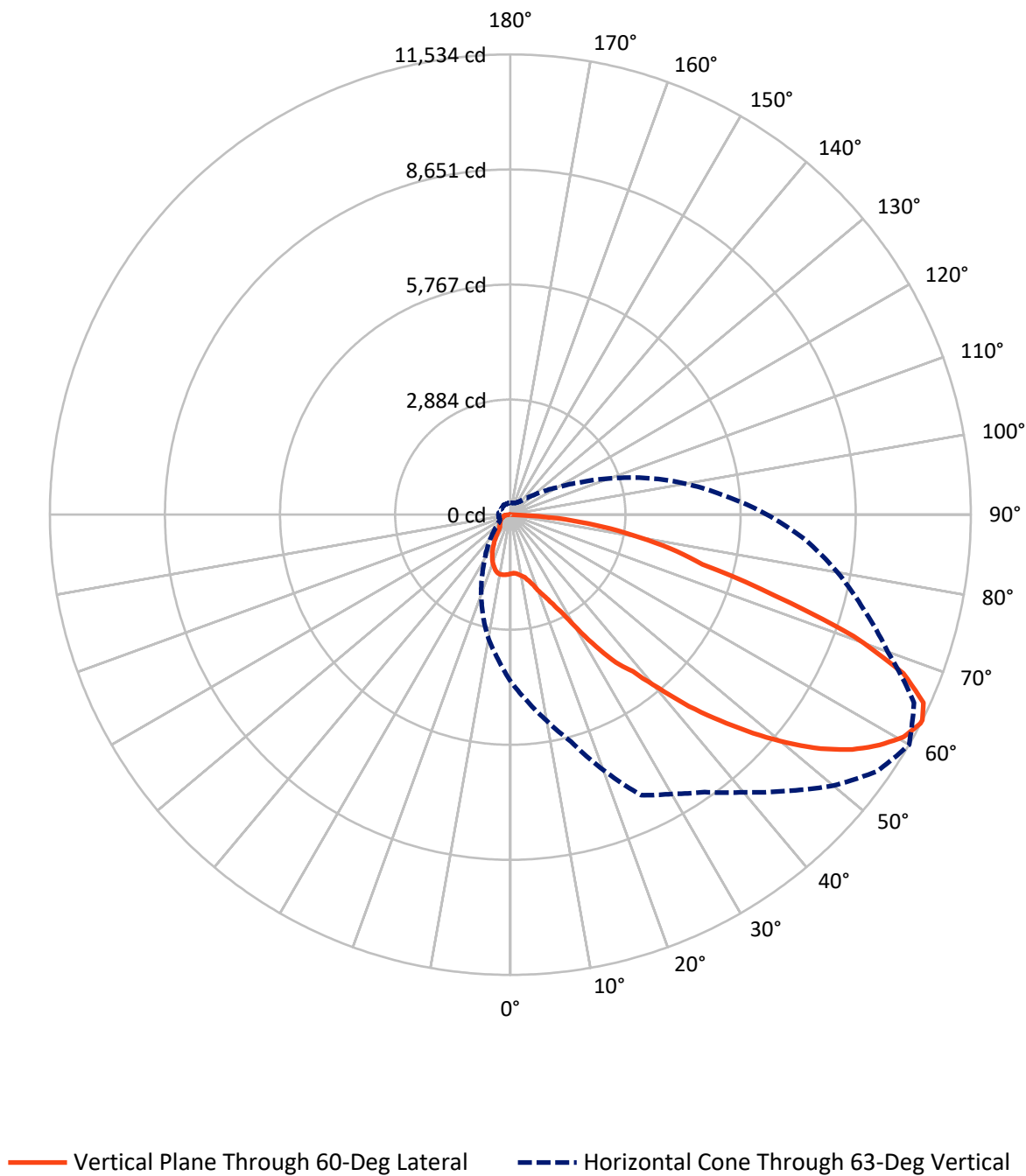


Based on 20 foot mounting height. Maximum calculated value = 7.3 fc  
Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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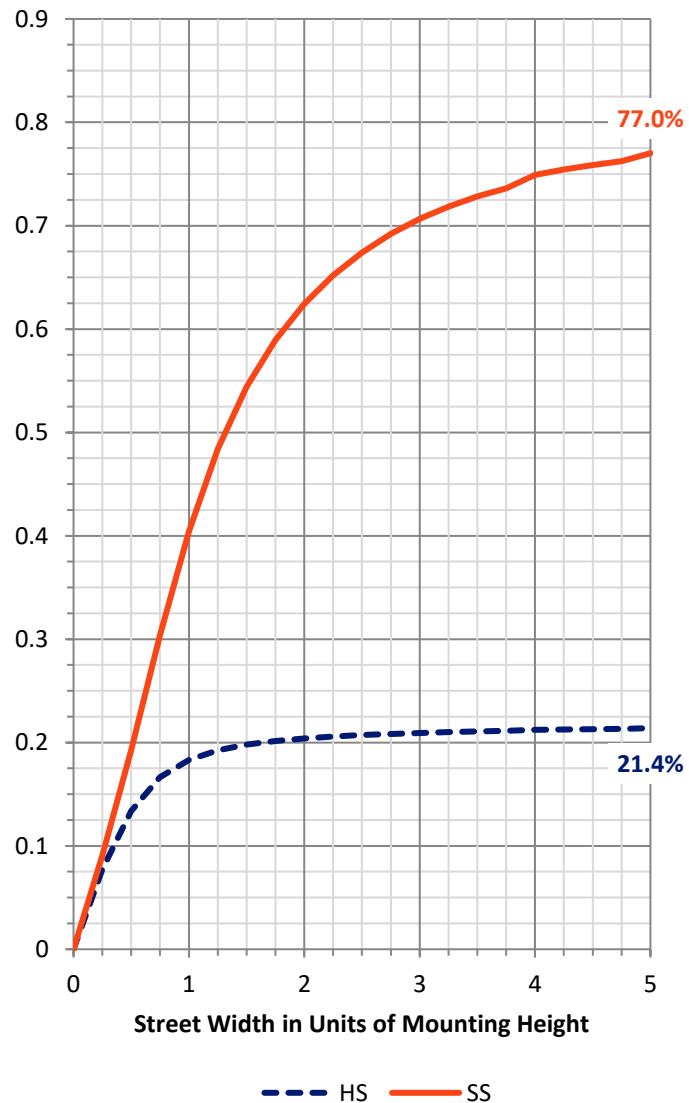
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2555.5   | 0.0    | 2555.5  |
|                    | % Fixture | 21.7     | 0.0    | 21.7    |
| <b>Street Side</b> | Lumens    | 9229.3   | 0.0    | 9229.3  |
|                    | % Fixture | 78.3     | 0.0    | 78.3    |
| <b>Total</b>       | Lumens    | 11784.7  | 0.0    | 11784.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 144.2   | 1.2       |
| 10°-20°   | 449.0   | 3.8       |
| 20°-30°   | 797.7   | 6.8       |
| 30°-40°   | 1256.1  | 10.7      |
| 40°-50°   | 1848.6  | 15.7      |
| 50°-60°   | 2455.5  | 20.8      |
| 60°-70°   | 2704.7  | 23.0      |
| 70°-80°   | 1696.9  | 14.4      |
| 80°-90°   | 432.2   | 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°    | 11784.7 | 100.0     |
| 0°-180°   | 11784.7 | 100.0     |

**Coefficient of Utilization**



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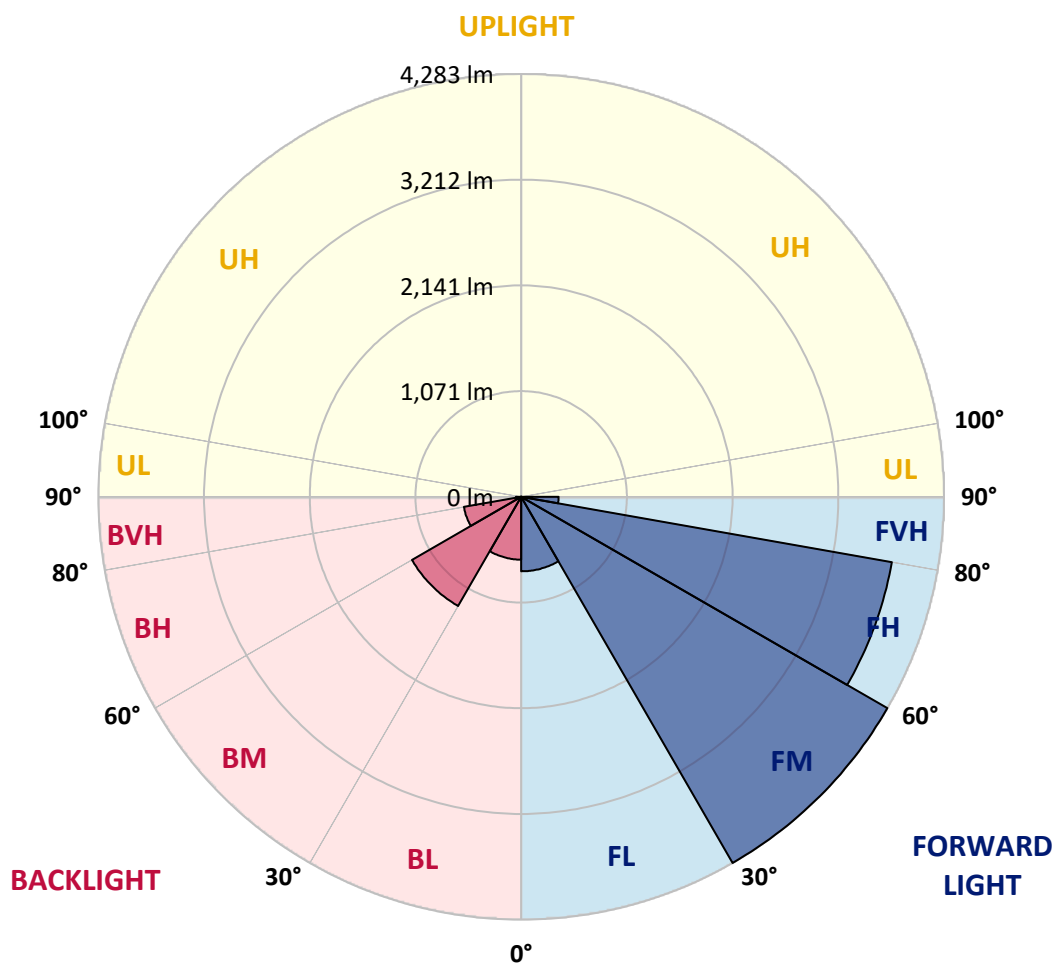
CATALOG NUMBER: VXM-F05-LED-E1-SLL-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 754.6  | 6.4       |                         |      |         |
| FM   | (30°-60°)   | 4282.9 | 36.3      |                         |      |         |
| FH   | (60°-80°)   | 3812.6 | 32.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 379.3  | 3.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 636.2  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1277.3 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 589.1  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 52.9   | 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°    | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0  | 1481.0  |
| 2.5°  | 1461.2 | 1464.0 | 1464.0 | 1462.6 | 1462.6 | 1465.4 | 1464.0 | 1462.6 | 1458.4 | 1464.0  | 1464.0  |
| 5°    | 1449.9 | 1452.7 | 1452.7 | 1455.6 | 1458.4 | 1461.2 | 1461.2 | 1464.0 | 1462.6 | 1468.3  | 1472.5  |
| 7.5°  | 1464.0 | 1466.9 | 1472.5 | 1479.6 | 1483.8 | 1493.7 | 1493.7 | 1500.7 | 1503.6 | 1507.8  | 1506.4  |
| 10°   | 1482.4 | 1489.4 | 1502.1 | 1513.4 | 1521.9 | 1533.2 | 1541.7 | 1551.6 | 1551.6 | 1555.8  | 1558.6  |
| 12.5° | 1514.9 | 1521.9 | 1536.0 | 1550.1 | 1562.9 | 1577.0 | 1589.7 | 1599.6 | 1609.4 | 1612.3  | 1617.9  |
| 15°   | 1568.5 | 1577.0 | 1598.1 | 1617.9 | 1633.4 | 1651.8 | 1668.7 | 1688.5 | 1706.9 | 1711.1  | 1713.9  |
| 17.5° | 1649.0 | 1665.9 | 1681.4 | 1716.7 | 1739.3 | 1763.3 | 1790.2 | 1818.4 | 1824.0 | 1853.7  | 1860.7  |
| 20°   | 1763.3 | 1784.5 | 1798.6 | 1842.4 | 1880.5 | 1911.6 | 1951.1 | 1983.6 | 1996.3 | 2024.5  | 2052.7  |
| 22.5° | 1961.0 | 1956.7 | 1977.9 | 2021.7 | 2049.9 | 2112.0 | 2145.9 | 2179.8 | 2196.7 | 2239.1  | 2261.7  |
| 25°   | 2226.4 | 2249.0 | 2295.6 | 2299.8 | 2326.6 | 2398.6 | 2442.4 | 2476.3 | 2477.7 | 2490.4  | 2514.4  |
| 27.5° | 2487.6 | 2580.8 | 2654.2 | 2693.7 | 2765.7 | 2832.1 | 2829.2 | 2877.2 | 2802.4 | 2817.9  | 2840.5  |
| 30°   | 2803.8 | 2959.1 | 3097.5 | 3190.7 | 3264.1 | 3341.7 | 3379.8 | 3406.7 | 3374.2 | 3360.1  | 3333.2  |
| 32.5° | 3100.3 | 3317.7 | 3530.9 | 3696.1 | 3833.0 | 3961.5 | 4046.2 | 4084.3 | 4129.5 | 4243.8  | 4284.8  |
| 35°   | 3303.6 | 3611.4 | 3876.8 | 4115.4 | 4344.1 | 4548.8 | 4697.0 | 4781.7 | 4749.3 | 4733.7  | 4725.3  |
| 37.5° | 3425.0 | 3800.5 | 4132.3 | 4469.7 | 4732.3 | 5038.7 | 5268.8 | 5491.9 | 5542.7 | 5453.8  | 5410.0  |
| 40°   | 3501.2 | 3946.0 | 4372.3 | 4770.4 | 5110.7 | 5506.0 | 5791.2 | 6125.8 | 6379.9 | 6413.8  | 6309.3  |
| 42.5° | 3538.0 | 4043.4 | 4540.3 | 4990.7 | 5450.9 | 5935.2 | 6296.6 | 6701.8 | 7081.6 | 7342.7  | 7277.8  |
| 45°   | 3543.6 | 4106.9 | 4663.2 | 5189.7 | 5737.5 | 6312.1 | 6778.0 | 7227.0 | 7735.2 | 8182.8  | 8195.5  |
| 47.5° | 3543.6 | 4154.9 | 4747.9 | 5333.8 | 5994.5 | 6639.7 | 7147.9 | 7678.7 | 8301.3 | 8830.8  | 8993.1  |
| 50°   | 3546.4 | 4187.4 | 4826.9 | 5446.7 | 6190.7 | 6916.4 | 7491.0 | 8117.8 | 8772.9 | 9348.9  | 9662.3  |
| 52.5° | 3559.1 | 4211.4 | 4889.0 | 5527.2 | 6317.8 | 7111.2 | 7757.8 | 8480.6 | 9132.9 | 9724.4  | 10129.6 |
| 55°   | 3587.4 | 4245.3 | 4934.2 | 5576.6 | 6402.5 | 7238.3 | 7951.2 | 8729.1 | 9365.8 | 9965.8  | 10532.0 |
| 57.5° | 3666.4 | 4304.6 | 4989.3 | 5620.3 | 6449.1 | 7321.6 | 8086.7 | 8836.4 | 9454.8 | 10080.2 | 10745.2 |
| 60°   | 3824.5 | 4430.2 | 5083.9 | 5707.9 | 6526.7 | 7475.4 | 8151.7 | 8764.4 | 9389.8 | 10046.3 | 10793.2 |
| 62.5° | 4077.3 | 4626.4 | 5215.2 | 5856.1 | 6748.4 | 7714.0 | 8102.3 | 8549.8 | 9134.3 | 9850.1  | 10622.3 |
| 63°   | 4164.8 | 4668.8 | 5244.8 | 5888.6 | 6809.1 | 7757.8 | 8081.1 | 8486.3 | 9082.1 | 9788.0  | 10561.6 |
| 65°   | 4409.0 | 4856.6 | 5386.0 | 6052.4 | 7059.0 | 7801.6 | 7915.9 | 8155.9 | 8720.6 | 9433.6  | 10203.0 |
| 67.5° | 4865.0 | 5312.6 | 5689.5 | 6329.1 | 7269.3 | 7629.3 | 7403.4 | 7433.1 | 8023.2 | 8761.6  | 9453.4  |
| 70°   | 5153.0 | 5686.7 | 5882.9 | 6364.4 | 7231.2 | 7373.8 | 6739.9 | 6347.4 | 6820.4 | 7661.8  | 8267.5  |
| 72.5° | 5078.2 | 5690.9 | 5669.8 | 5894.2 | 6468.8 | 6601.5 | 5945.1 | 5326.7 | 5607.6 | 6235.9  | 6628.4  |
| 75°   | 4349.7 | 5082.5 | 4927.2 | 4882.0 | 5083.9 | 5171.4 | 4678.7 | 4584.1 | 4938.5 | 5287.2  | 5292.8  |
| 77.5° | 3131.4 | 3937.5 | 3755.4 | 3494.2 | 3480.1 | 3682.0 | 3748.3 | 4368.1 | 4891.9 | 5167.2  | 5045.7  |
| 80°   | 1994.9 | 2868.8 | 2679.6 | 2223.6 | 2216.5 | 2479.1 | 3062.2 | 3905.0 | 4459.9 | 4613.7  | 4297.5  |
| 82.5° | 1041.9 | 1877.7 | 1949.7 | 1668.7 | 1910.2 | 2345.0 | 2913.9 | 3146.9 | 3357.2 | 3378.4  | 3005.7  |
| 85°   | 649.4  | 1154.8 | 1358.1 | 1401.9 | 1725.2 | 2079.6 | 2075.3 | 1993.5 | 1900.3 | 1626.4  | 1471.1  |
| 87.5° | 73.4   | 145.4  | 220.2  | 208.9  | 280.9  | 393.9  | 491.3  | 288.0  | 201.9  | 73.4    | 101.6   |
| 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°    | 1481.0  | 1481.0  | 1481.0  | 1481.0  | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 |
| 2.5°  | 1466.9  | 1468.3  | 1469.7  | 1469.7  | 1476.7 | 1475.3 | 1476.7 | 1479.6 | 1483.8 | 1486.6 | 1489.4 |
| 5°    | 1478.1  | 1478.1  | 1483.8  | 1488.0  | 1496.5 | 1502.1 | 1505.0 | 1513.4 | 1523.3 | 1520.5 | 1529.0 |
| 7.5°  | 1514.9  | 1513.4  | 1519.1  | 1521.9  | 1529.0 | 1538.9 | 1537.4 | 1544.5 | 1553.0 | 1555.8 | 1562.9 |
| 10°   | 1564.3  | 1560.0  | 1560.0  | 1557.2  | 1558.6 | 1555.8 | 1555.8 | 1555.8 | 1561.4 | 1560.0 | 1565.7 |
| 12.5° | 1615.1  | 1613.7  | 1610.9  | 1602.4  | 1602.4 | 1591.1 | 1585.4 | 1578.4 | 1577.0 | 1567.1 | 1568.5 |
| 15°   | 1719.6  | 1719.6  | 1713.9  | 1697.0  | 1682.9 | 1673.0 | 1658.9 | 1649.0 | 1634.9 | 1616.5 | 1606.6 |
| 17.5° | 1872.0  | 1852.3  | 1845.2  | 1842.4  | 1819.8 | 1811.3 | 1780.3 | 1747.8 | 1732.3 | 1706.9 | 1692.7 |
| 20°   | 2058.4  | 2054.2  | 2025.9  | 2011.8  | 1983.6 | 1944.0 | 1904.5 | 1862.2 | 1836.7 | 1805.7 | 1788.7 |
| 22.5° | 2268.8  | 2237.7  | 2223.6  | 2202.4  | 2158.6 | 2113.5 | 2054.2 | 1997.7 | 1958.2 | 1937.0 | 1924.3 |
| 25°   | 2514.4  | 2483.3  | 2469.2  | 2441.0  | 2387.3 | 2339.3 | 2265.9 | 2199.6 | 2164.3 | 2129.0 | 2109.2 |
| 27.5° | 2840.5  | 2810.9  | 2793.9  | 2720.5  | 2702.2 | 2623.1 | 2532.8 | 2442.4 | 2395.8 | 2343.6 | 2309.7 |
| 30°   | 3327.6  | 3329.0  | 3241.5  | 3152.5  | 3060.8 | 2923.8 | 2829.2 | 2727.6 | 2651.3 | 2576.5 | 2501.7 |
| 32.5° | 4150.7  | 3940.3  | 3778.0  | 3587.4  | 3388.3 | 3242.9 | 3125.7 | 3004.3 | 2898.4 | 2789.7 | 2665.5 |
| 35°   | 4653.3  | 4551.6  | 4341.3  | 3992.5  | 3792.1 | 3615.6 | 3485.7 | 3338.9 | 3209.0 | 3017.0 | 2827.8 |
| 37.5° | 5220.8  | 4985.0  | 4729.5  | 4536.1  | 4308.8 | 4104.1 | 3886.7 | 3720.1 | 3495.6 | 3237.2 | 2969.0 |
| 40°   | 6049.5  | 5712.1  | 5404.3  | 5144.6  | 4850.9 | 4636.3 | 4393.5 | 4152.1 | 3854.2 | 3480.1 | 3111.6 |
| 42.5° | 6915.0  | 6566.2  | 6159.7  | 5822.2  | 5476.3 | 5225.0 | 4924.3 | 4585.5 | 4147.8 | 3684.8 | 3234.4 |
| 45°   | 7822.7  | 7356.9  | 6869.8  | 6457.5  | 6097.5 | 5785.5 | 5412.8 | 4963.9 | 4430.2 | 3868.3 | 3348.8 |
| 47.5° | 8717.8  | 8182.8  | 7602.5  | 7159.2  | 6690.5 | 6309.3 | 5851.9 | 5284.3 | 4650.4 | 4042.0 | 3463.1 |
| 50°   | 9507.0  | 8991.7  | 8292.9  | 7729.6  | 7255.2 | 6785.1 | 6214.7 | 5531.4 | 4824.1 | 4191.6 | 3566.2 |
| 52.5° | 10187.5 | 9744.2  | 9008.6  | 8297.1  | 7750.7 | 7222.7 | 6507.0 | 5730.5 | 4999.2 | 4330.0 | 3650.9 |
| 55°   | 10687.3 | 10392.2 | 9714.5  | 8832.2  | 8187.0 | 7557.3 | 6754.0 | 5922.5 | 5164.3 | 4440.1 | 3706.0 |
| 57.5° | 11064.2 | 10900.5 | 10318.8 | 9336.2  | 8587.9 | 7882.0 | 7009.6 | 6152.6 | 5328.1 | 4534.7 | 3731.4 |
| 60°   | 11270.3 | 11315.5 | 10776.2 | 9776.7  | 8942.3 | 8153.1 | 7265.1 | 6348.8 | 5449.5 | 4589.7 | 3717.3 |
| 62.5° | 11250.6 | 11527.3 | 11119.3 | 10047.7 | 9148.4 | 8314.0 | 7437.3 | 6440.6 | 5432.6 | 4502.2 | 3588.8 |
| 63°   | 11212.5 | 11534.3 | 11157.4 | 10066.1 | 9161.1 | 8319.7 | 7441.6 | 6427.9 | 5397.3 | 4459.9 | 3538.0 |
| 65°   | 10883.5 | 11372.0 | 11124.9 | 9982.8  | 9048.2 | 8213.8 | 7352.6 | 6244.4 | 5148.8 | 4232.6 | 3276.8 |
| 67.5° | 10002.6 | 10613.9 | 10543.3 | 9394.1  | 8513.1 | 7776.2 | 6898.0 | 5652.8 | 4534.7 | 3673.5 | 2777.0 |
| 70°   | 8547.0  | 9121.6  | 9134.3  | 8170.0  | 7434.5 | 6711.7 | 5981.8 | 4599.6 | 3594.4 | 2847.6 | 2071.1 |
| 72.5° | 6550.7  | 6920.6  | 7049.1  | 6413.8  | 5921.1 | 5412.8 | 4757.7 | 3338.9 | 2562.4 | 1937.0 | 1348.3 |
| 75°   | 5072.6  | 4970.9  | 4969.5  | 4701.3  | 4500.8 | 4252.3 | 3532.3 | 2253.2 | 1682.9 | 1259.3 | 824.5  |
| 77.5° | 4560.1  | 4108.3  | 3670.7  | 3348.8  | 3187.8 | 3104.5 | 2316.8 | 1358.1 | 992.5  | 724.2  | 474.4  |
| 80°   | 3761.0  | 3094.6  | 2500.3  | 2153.0  | 2014.6 | 2110.6 | 1291.8 | 734.1  | 543.5  | 412.2  | 307.8  |
| 82.5° | 2593.5  | 2153.0  | 1636.3  | 1355.3  | 1163.3 | 1217.0 | 660.7  | 375.5  | 251.3  | 230.1  | 190.6  |
| 85°   | 1351.1  | 1184.5  | 999.5   | 858.4   | 758.1  | 666.4  | 343.1  | 179.3  | 104.5  | 91.8   | 83.3   |
| 87.5° | 0.0     | 1.4     | 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°    | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 |
| 2.5°  | 1493.7 | 1492.3 | 1495.1 | 1496.5 | 1500.7 | 1503.6 | 1505.0 | 1502.1 | 1506.4 | 1510.6 | 1507.8 |
| 5°    | 1533.2 | 1543.1 | 1544.5 | 1548.7 | 1548.7 | 1557.2 | 1557.2 | 1557.2 | 1555.8 | 1557.2 | 1554.4 |
| 7.5°  | 1567.1 | 1579.8 | 1581.2 | 1586.9 | 1588.3 | 1598.1 | 1593.9 | 1596.7 | 1596.7 | 1589.7 | 1586.9 |
| 10°   | 1571.3 | 1584.0 | 1591.1 | 1598.1 | 1608.0 | 1620.7 | 1620.7 | 1627.8 | 1627.8 | 1622.1 | 1620.7 |
| 12.5° | 1572.7 | 1582.6 | 1589.7 | 1599.6 | 1613.7 | 1632.0 | 1641.9 | 1651.8 | 1656.0 | 1654.6 | 1650.4 |
| 15°   | 1602.4 | 1602.4 | 1603.8 | 1612.3 | 1622.1 | 1644.7 | 1658.9 | 1670.2 | 1677.2 | 1674.4 | 1667.3 |
| 17.5° | 1680.0 | 1668.7 | 1660.3 | 1646.2 | 1649.0 | 1660.3 | 1668.7 | 1678.6 | 1680.0 | 1677.2 | 1665.9 |
| 20°   | 1770.4 | 1756.3 | 1735.1 | 1712.5 | 1701.2 | 1692.7 | 1687.1 | 1687.1 | 1682.9 | 1668.7 | 1650.4 |
| 22.5° | 1898.9 | 1880.5 | 1850.9 | 1817.0 | 1794.4 | 1767.6 | 1735.1 | 1704.0 | 1670.2 | 1636.3 | 1596.7 |
| 25°   | 2076.7 | 2051.3 | 2020.3 | 1968.0 | 1920.0 | 1863.6 | 1797.2 | 1728.0 | 1647.6 | 1577.0 | 1519.1 |
| 27.5° | 2256.0 | 2199.6 | 2119.1 | 2047.1 | 1958.2 | 1873.4 | 1778.9 | 1694.2 | 1591.1 | 1506.4 | 1442.9 |
| 30°   | 2404.3 | 2297.0 | 2181.2 | 2066.9 | 1949.7 | 1835.3 | 1722.4 | 1620.7 | 1507.8 | 1421.7 | 1359.6 |
| 32.5° | 2518.6 | 2370.4 | 2209.5 | 2059.8 | 1915.8 | 1776.0 | 1646.2 | 1533.2 | 1418.9 | 1329.9 | 1263.6 |
| 35°   | 2624.5 | 2418.4 | 2213.7 | 2028.7 | 1850.9 | 1705.4 | 1558.6 | 1435.8 | 1314.4 | 1221.2 | 1149.2 |
| 37.5° | 2703.6 | 2441.0 | 2188.3 | 1970.9 | 1766.2 | 1603.8 | 1454.1 | 1328.5 | 1204.3 | 1102.6 | 1020.7 |
| 40°   | 2754.4 | 2426.9 | 2133.2 | 1887.6 | 1665.9 | 1495.1 | 1342.6 | 1212.7 | 1092.7 | 981.2  | 882.4  |
| 42.5° | 2795.3 | 2408.5 | 2078.2 | 1811.3 | 1586.9 | 1400.5 | 1243.8 | 1104.0 | 982.6  | 861.2  | 752.5  |
| 45°   | 2856.1 | 2422.6 | 2054.2 | 1757.7 | 1516.3 | 1320.0 | 1147.8 | 1002.4 | 875.3  | 756.7  | 652.2  |
| 47.5° | 2915.4 | 2429.7 | 2018.9 | 1691.3 | 1427.3 | 1236.7 | 1061.7 | 920.5  | 790.6  | 681.9  | 585.9  |
| 50°   | 2969.0 | 2425.5 | 1963.8 | 1606.6 | 1341.2 | 1153.4 | 984.0  | 842.8  | 714.4  | 614.1  | 523.8  |
| 52.5° | 2994.4 | 2401.5 | 1896.0 | 1524.7 | 1272.0 | 1080.0 | 907.8  | 770.8  | 643.8  | 549.2  | 465.9  |
| 55°   | 2991.6 | 2339.3 | 1807.1 | 1447.1 | 1195.8 | 1002.4 | 833.0  | 697.4  | 583.1  | 495.5  | 423.5  |
| 57.5° | 2949.2 | 2243.3 | 1712.5 | 1361.0 | 1095.6 | 906.4  | 745.4  | 614.1  | 518.1  | 444.7  | 384.0  |
| 60°   | 2860.3 | 2120.5 | 1588.3 | 1235.3 | 969.9  | 787.8  | 636.7  | 523.8  | 446.1  | 389.7  | 350.1  |
| 62.5° | 2693.7 | 1944.0 | 1433.0 | 1060.3 | 800.5  | 633.9  | 502.6  | 429.2  | 371.3  | 337.4  | 319.1  |
| 63°   | 2644.3 | 1896.0 | 1366.6 | 1017.9 | 761.0  | 598.6  | 474.4  | 398.1  | 355.8  | 326.1  | 309.2  |
| 65°   | 2398.6 | 1660.3 | 1143.6 | 821.7  | 591.5  | 461.7  | 381.2  | 323.3  | 297.9  | 285.2  | 283.8  |
| 67.5° | 1942.6 | 1305.9 | 809.0  | 563.3  | 402.4  | 333.2  | 292.2  | 268.2  | 256.9  | 254.1  | 256.9  |
| 70°   | 1363.8 | 824.5  | 513.9  | 374.1  | 297.9  | 268.2  | 249.9  | 240.0  | 232.9  | 234.4  | 237.2  |
| 72.5° | 869.7  | 494.1  | 352.9  | 283.8  | 251.3  | 235.8  | 227.3  | 224.5  | 223.1  | 221.7  | 221.7  |
| 75°   | 495.5  | 328.9  | 271.1  | 245.7  | 228.7  | 216.0  | 208.9  | 206.1  | 207.5  | 208.9  | 206.1  |
| 77.5° | 327.5  | 271.1  | 241.4  | 224.5  | 208.9  | 194.8  | 190.6  | 189.2  | 192.0  | 194.8  | 194.8  |
| 80°   | 258.4  | 241.4  | 224.5  | 207.5  | 182.1  | 172.2  | 175.1  | 176.5  | 175.1  | 176.5  | 172.2  |
| 82.5° | 182.1  | 179.3  | 183.5  | 176.5  | 151.1  | 142.6  | 139.8  | 141.2  | 138.4  | 138.4  | 135.5  |
| 85°   | 84.7   | 84.7   | 88.9   | 88.9   | 86.1   | 87.5   | 94.6   | 103.1  | 107.3  | 103.1  | 97.4   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 12.7   | 25.4   | 36.7   | 39.5   | 49.4   | 48.0   |
| 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):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 |
| 2.5°  | 1503.6 | 1506.4 | 1505.0 | 1503.6 | 1506.4 | 1503.6 | 1505.0 | 1503.6 | 1503.6 | 1502.1 | 1502.1 |
| 5°    | 1551.6 | 1555.8 | 1547.3 | 1545.9 | 1543.1 | 1536.0 | 1536.0 | 1533.2 | 1533.2 | 1527.6 | 1523.3 |
| 7.5°  | 1582.6 | 1584.0 | 1577.0 | 1575.6 | 1568.5 | 1561.4 | 1555.8 | 1550.1 | 1548.7 | 1544.5 | 1536.0 |
| 10°   | 1612.3 | 1609.4 | 1603.8 | 1596.7 | 1589.7 | 1579.8 | 1572.7 | 1565.7 | 1564.3 | 1557.2 | 1547.3 |
| 12.5° | 1637.7 | 1636.3 | 1625.0 | 1617.9 | 1606.6 | 1596.7 | 1588.3 | 1579.8 | 1575.6 | 1567.1 | 1553.0 |
| 15°   | 1654.6 | 1646.2 | 1632.0 | 1619.3 | 1606.6 | 1595.3 | 1585.4 | 1575.6 | 1571.3 | 1561.4 | 1547.3 |
| 17.5° | 1647.6 | 1632.0 | 1613.7 | 1598.1 | 1581.2 | 1567.1 | 1558.6 | 1548.7 | 1541.7 | 1536.0 | 1516.3 |
| 20°   | 1622.1 | 1599.6 | 1571.3 | 1553.0 | 1530.4 | 1512.0 | 1506.4 | 1496.5 | 1490.9 | 1469.7 | 1444.3 |
| 22.5° | 1555.8 | 1523.3 | 1488.0 | 1461.2 | 1435.8 | 1417.4 | 1403.3 | 1393.4 | 1379.3 | 1366.6 | 1327.1 |
| 25°   | 1472.5 | 1435.8 | 1399.1 | 1366.6 | 1332.7 | 1304.5 | 1279.1 | 1255.1 | 1248.0 | 1221.2 | 1183.1 |
| 27.5° | 1392.0 | 1351.1 | 1314.4 | 1276.3 | 1232.5 | 1197.2 | 1153.4 | 1119.6 | 1097.0 | 1068.7 | 1033.4 |
| 30°   | 1305.9 | 1265.0 | 1215.6 | 1164.7 | 1113.9 | 1075.8 | 1026.4 | 985.4  | 957.2  | 927.5  | 895.1  |
| 32.5° | 1197.2 | 1147.8 | 1088.5 | 1032.0 | 985.4  | 940.3  | 890.8  | 851.3  | 823.1  | 796.3  | 765.2  |
| 35°   | 1073.0 | 1008.0 | 944.5  | 882.4  | 833.0  | 794.8  | 751.1  | 721.4  | 701.7  | 677.7  | 645.2  |
| 37.5° | 930.4  | 857.0  | 789.2  | 741.2  | 697.4  | 660.7  | 629.7  | 611.3  | 590.1  | 577.4  | 557.7  |
| 40°   | 786.4  | 714.4  | 648.0  | 604.2  | 567.5  | 546.4  | 529.4  | 525.2  | 511.1  | 494.1  | 481.4  |
| 42.5° | 659.3  | 590.1  | 525.2  | 489.9  | 465.9  | 460.2  | 451.8  | 451.8  | 444.7  | 432.0  | 423.5  |
| 45°   | 573.2  | 501.2  | 444.7  | 419.3  | 406.6  | 405.2  | 400.9  | 400.9  | 399.5  | 393.9  | 384.0  |
| 47.5° | 511.1  | 446.1  | 402.4  | 386.8  | 384.0  | 381.2  | 376.9  | 375.5  | 374.1  | 369.9  | 364.2  |
| 50°   | 454.6  | 399.5  | 371.3  | 364.2  | 365.7  | 361.4  | 357.2  | 352.9  | 351.5  | 347.3  | 341.7  |
| 52.5° | 402.4  | 362.8  | 344.5  | 340.2  | 340.2  | 340.2  | 337.4  | 337.4  | 334.6  | 333.2  | 327.5  |
| 55°   | 372.7  | 343.1  | 333.2  | 331.8  | 330.4  | 328.9  | 326.1  | 326.1  | 323.3  | 321.9  | 314.8  |
| 57.5° | 347.3  | 328.9  | 323.3  | 320.5  | 319.1  | 316.2  | 314.8  | 314.8  | 314.8  | 314.8  | 306.4  |
| 60°   | 327.5  | 319.1  | 317.7  | 314.8  | 313.4  | 307.8  | 304.9  | 303.5  | 304.9  | 306.4  | 297.9  |
| 62.5° | 306.4  | 304.9  | 303.5  | 300.7  | 299.3  | 293.7  | 289.4  | 286.6  | 289.4  | 292.2  | 290.8  |
| 63°   | 300.7  | 299.3  | 299.3  | 297.9  | 296.5  | 289.4  | 285.2  | 282.4  | 285.2  | 288.0  | 288.0  |
| 65°   | 280.9  | 282.4  | 282.4  | 280.9  | 279.5  | 275.3  | 269.7  | 266.8  | 268.2  | 272.5  | 273.9  |
| 67.5° | 259.8  | 261.2  | 259.8  | 261.2  | 259.8  | 256.9  | 252.7  | 249.9  | 248.5  | 249.9  | 251.3  |
| 70°   | 240.0  | 242.8  | 241.4  | 240.0  | 238.6  | 238.6  | 235.8  | 231.5  | 230.1  | 228.7  | 228.7  |
| 72.5° | 223.1  | 223.1  | 220.2  | 220.2  | 218.8  | 218.8  | 216.0  | 211.8  | 210.4  | 210.4  | 207.5  |
| 75°   | 204.7  | 204.7  | 200.5  | 200.5  | 197.7  | 199.1  | 196.2  | 192.0  | 190.6  | 190.6  | 189.2  |
| 77.5° | 193.4  | 189.2  | 182.1  | 180.7  | 179.3  | 179.3  | 177.9  | 173.7  | 172.2  | 172.2  | 170.8  |
| 80°   | 170.8  | 162.4  | 155.3  | 153.9  | 155.3  | 158.1  | 158.1  | 155.3  | 155.3  | 155.3  | 155.3  |
| 82.5° | 132.7  | 129.9  | 125.6  | 122.8  | 122.8  | 127.1  | 132.7  | 135.5  | 138.4  | 141.2  | 141.2  |
| 85°   | 97.4   | 98.8   | 97.4   | 93.2   | 91.8   | 96.0   | 101.6  | 107.3  | 108.7  | 114.4  | 112.9  |
| 87.5° | 52.2   | 53.6   | 49.4   | 48.0   | 52.2   | 55.1   | 60.7   | 62.1   | 64.9   | 66.4   | 67.8   |
| 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°    | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 |
| 2.5°  | 1500.7 | 1499.3 | 1500.7 | 1497.9 | 1497.9 | 1495.1 | 1492.3 | 1490.9 | 1488.0 | 1486.6 | 1483.8 |
| 5°    | 1526.1 | 1521.9 | 1517.7 | 1516.3 | 1510.6 | 1505.0 | 1500.7 | 1493.7 | 1488.0 | 1478.1 | 1475.3 |
| 7.5°  | 1543.1 | 1533.2 | 1527.6 | 1526.1 | 1517.7 | 1513.4 | 1503.6 | 1495.1 | 1486.6 | 1473.9 | 1469.7 |
| 10°   | 1550.1 | 1540.3 | 1530.4 | 1526.1 | 1516.3 | 1509.2 | 1499.3 | 1486.6 | 1479.6 | 1466.9 | 1464.0 |
| 12.5° | 1558.6 | 1540.3 | 1524.7 | 1513.4 | 1499.3 | 1483.8 | 1473.9 | 1466.9 | 1457.0 | 1449.9 | 1447.1 |
| 15°   | 1543.1 | 1519.1 | 1495.1 | 1473.9 | 1451.3 | 1434.4 | 1424.5 | 1413.2 | 1401.9 | 1397.7 | 1397.7 |
| 17.5° | 1500.7 | 1469.7 | 1428.7 | 1401.9 | 1377.9 | 1359.6 | 1346.9 | 1335.6 | 1334.1 | 1328.5 | 1331.3 |
| 20°   | 1413.2 | 1372.3 | 1332.7 | 1313.0 | 1298.8 | 1287.6 | 1274.8 | 1269.2 | 1265.0 | 1256.5 | 1253.7 |
| 22.5° | 1291.8 | 1257.9 | 1229.7 | 1215.6 | 1204.3 | 1190.1 | 1178.8 | 1161.9 | 1157.7 | 1149.2 | 1145.0 |
| 25°   | 1157.7 | 1130.8 | 1106.8 | 1097.0 | 1089.9 | 1070.1 | 1063.1 | 1040.5 | 1025.0 | 1015.1 | 1020.7 |
| 27.5° | 1023.5 | 1003.8 | 981.2  | 968.5  | 964.3  | 945.9  | 938.8  | 913.4  | 900.7  | 900.7  | 886.6  |
| 30°   | 885.2  | 866.8  | 852.7  | 838.6  | 835.8  | 813.2  | 794.8  | 785.0  | 770.8  | 765.2  | 755.3  |
| 32.5° | 755.3  | 737.0  | 725.7  | 718.6  | 707.3  | 689.0  | 670.6  | 653.7  | 631.1  | 622.6  | 618.4  |
| 35°   | 635.3  | 621.2  | 607.1  | 601.4  | 585.9  | 566.1  | 543.5  | 529.4  | 502.6  | 492.7  | 488.5  |
| 37.5° | 543.5  | 526.6  | 516.7  | 501.2  | 485.7  | 464.5  | 447.5  | 434.8  | 424.9  | 420.7  | 420.7  |
| 40°   | 470.1  | 457.4  | 446.1  | 433.4  | 420.7  | 409.4  | 400.9  | 398.1  | 396.7  | 396.7  | 399.5  |
| 42.5° | 415.1  | 403.8  | 398.1  | 391.1  | 386.8  | 386.8  | 385.4  | 386.8  | 388.2  | 389.7  | 393.9  |
| 45°   | 378.4  | 371.3  | 368.5  | 367.1  | 369.9  | 372.7  | 374.1  | 376.9  | 382.6  | 385.4  | 386.8  |
| 47.5° | 358.6  | 352.9  | 351.5  | 352.9  | 357.2  | 362.8  | 368.5  | 372.7  | 376.9  | 378.4  | 379.8  |
| 50°   | 338.8  | 331.8  | 328.9  | 331.8  | 337.4  | 345.9  | 350.1  | 357.2  | 360.0  | 362.8  | 360.0  |
| 52.5° | 321.9  | 316.2  | 314.8  | 314.8  | 320.5  | 326.1  | 331.8  | 337.4  | 338.8  | 338.8  | 337.4  |
| 55°   | 307.8  | 303.5  | 299.3  | 302.1  | 306.4  | 312.0  | 320.5  | 324.7  | 327.5  | 328.9  | 328.9  |
| 57.5° | 296.5  | 292.2  | 288.0  | 290.8  | 295.1  | 300.7  | 309.2  | 313.4  | 316.2  | 320.5  | 321.9  |
| 60°   | 288.0  | 282.4  | 278.1  | 282.4  | 286.6  | 295.1  | 302.1  | 306.4  | 313.4  | 314.8  | 314.8  |
| 62.5° | 279.5  | 273.9  | 266.8  | 271.1  | 271.1  | 275.3  | 282.4  | 288.0  | 295.1  | 297.9  | 297.9  |
| 63°   | 278.1  | 272.5  | 265.4  | 268.2  | 268.2  | 271.1  | 276.7  | 282.4  | 290.8  | 293.7  | 292.2  |
| 65°   | 266.8  | 265.4  | 258.4  | 258.4  | 255.5  | 258.4  | 262.6  | 268.2  | 272.5  | 276.7  | 276.7  |
| 67.5° | 248.5  | 247.1  | 245.7  | 245.7  | 245.7  | 248.5  | 251.3  | 255.5  | 259.8  | 262.6  | 261.2  |
| 70°   | 227.3  | 227.3  | 227.3  | 228.7  | 228.7  | 231.5  | 232.9  | 231.5  | 235.8  | 238.6  | 237.2  |
| 72.5° | 208.9  | 207.5  | 206.1  | 208.9  | 207.5  | 207.5  | 210.4  | 208.9  | 213.2  | 213.2  | 214.6  |
| 75°   | 189.2  | 187.8  | 187.8  | 189.2  | 186.4  | 183.5  | 184.9  | 184.9  | 186.4  | 186.4  | 189.2  |
| 77.5° | 172.2  | 172.2  | 172.2  | 170.8  | 168.0  | 166.6  | 165.2  | 165.2  | 165.2  | 165.2  | 166.6  |
| 80°   | 156.7  | 156.7  | 156.7  | 155.3  | 152.5  | 149.7  | 146.8  | 145.4  | 144.0  | 136.9  | 136.9  |
| 82.5° | 141.2  | 141.2  | 141.2  | 141.2  | 139.8  | 136.9  | 132.7  | 121.4  | 115.8  | 110.1  | 111.5  |
| 85°   | 111.5  | 114.4  | 117.2  | 121.4  | 120.0  | 120.0  | 111.5  | 97.4   | 88.9   | 83.3   | 84.7   |
| 87.5° | 72.0   | 63.5   | 63.5   | 62.1   | 59.3   | 56.5   | 56.5   | 48.0   | 39.5   | 35.3   | 36.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |       |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 0°    |
| 2.5°  | 1483.8 | 1481.0 | 1478.1 | 1478.1 | 1473.9 | 1473.9 | 1471.1 | 1476.7 | 1471.1 | 1466.9 | 1466.9 | 2.5°  |
| 5°    | 1472.5 | 1469.7 | 1461.2 | 1459.8 | 1454.1 | 1454.1 | 1454.1 | 1451.3 | 1451.3 | 1448.5 | 1447.1 | 5°    |
| 7.5°  | 1465.4 | 1458.4 | 1451.3 | 1447.1 | 1447.1 | 1444.3 | 1449.9 | 1447.1 | 1448.5 | 1448.5 | 1449.9 | 7.5°  |
| 10°   | 1459.8 | 1454.1 | 1451.3 | 1449.9 | 1449.9 | 1454.1 | 1458.4 | 1459.8 | 1458.4 | 1459.8 | 1459.8 | 10°   |
| 12.5° | 1445.7 | 1448.5 | 1449.9 | 1455.6 | 1462.6 | 1471.1 | 1481.0 | 1482.4 | 1485.2 | 1485.2 | 1488.0 | 12.5° |
| 15°   | 1400.5 | 1407.6 | 1416.0 | 1430.1 | 1448.5 | 1466.9 | 1485.2 | 1500.7 | 1514.9 | 1521.9 | 1527.6 | 15°   |
| 17.5° | 1337.0 | 1344.0 | 1359.6 | 1375.1 | 1399.1 | 1425.9 | 1457.0 | 1483.8 | 1513.4 | 1540.3 | 1567.1 | 17.5° |
| 20°   | 1250.8 | 1262.1 | 1266.4 | 1294.6 | 1322.8 | 1359.6 | 1396.3 | 1438.6 | 1489.4 | 1540.3 | 1592.5 | 20°   |
| 22.5° | 1139.3 | 1152.0 | 1171.8 | 1194.4 | 1224.0 | 1269.2 | 1313.0 | 1379.3 | 1447.1 | 1519.1 | 1601.0 | 22.5° |
| 25°   | 1015.1 | 1029.2 | 1046.1 | 1070.1 | 1099.8 | 1147.8 | 1211.3 | 1281.9 | 1365.2 | 1459.8 | 1561.4 | 25°   |
| 27.5° | 886.6  | 900.7  | 914.8  | 931.8  | 965.7  | 1016.5 | 1091.3 | 1164.7 | 1256.5 | 1359.6 | 1478.1 | 27.5° |
| 30°   | 758.1  | 759.5  | 768.0  | 789.2  | 824.5  | 890.8  | 945.9  | 1037.7 | 1133.7 | 1242.4 | 1379.3 | 30°   |
| 32.5° | 617.0  | 615.5  | 625.4  | 643.8  | 677.7  | 741.2  | 809.0  | 897.9  | 992.5  | 1129.4 | 1270.6 | 32.5° |
| 35°   | 491.3  | 491.3  | 509.7  | 528.0  | 566.1  | 611.3  | 670.6  | 749.7  | 861.2  | 988.3  | 1129.4 | 35°   |
| 37.5° | 424.9  | 434.8  | 446.1  | 464.5  | 494.1  | 529.4  | 581.7  | 650.8  | 738.4  | 859.8  | 989.7  | 37.5° |
| 40°   | 403.8  | 409.4  | 419.3  | 436.2  | 461.7  | 494.1  | 532.2  | 584.5  | 652.2  | 749.7  | 868.3  | 40°   |
| 42.5° | 395.3  | 396.7  | 402.4  | 415.1  | 437.7  | 470.1  | 509.7  | 556.2  | 607.1  | 676.2  | 779.3  | 42.5° |
| 45°   | 386.8  | 385.4  | 388.2  | 398.1  | 416.5  | 453.2  | 498.4  | 549.2  | 600.0  | 657.9  | 742.6  | 45°   |
| 47.5° | 379.8  | 379.8  | 379.8  | 384.0  | 400.9  | 437.7  | 489.9  | 549.2  | 609.9  | 674.8  | 758.1  | 47.5° |
| 50°   | 360.0  | 358.6  | 358.6  | 361.4  | 374.1  | 413.7  | 475.8  | 547.8  | 626.8  | 711.5  | 806.1  | 50°   |
| 52.5° | 337.4  | 337.4  | 338.8  | 340.2  | 351.5  | 391.1  | 460.2  | 547.8  | 646.6  | 759.5  | 878.1  | 52.5° |
| 55°   | 330.4  | 331.8  | 333.2  | 331.8  | 340.2  | 374.1  | 443.3  | 539.3  | 655.1  | 797.7  | 955.8  | 55°   |
| 57.5° | 324.7  | 327.5  | 327.5  | 326.1  | 331.8  | 360.0  | 426.4  | 522.4  | 648.0  | 811.8  | 1010.8 | 57.5° |
| 60°   | 316.2  | 316.2  | 316.2  | 312.0  | 314.8  | 340.2  | 400.9  | 495.5  | 625.4  | 799.1  | 1019.3 | 60°   |
| 62.5° | 297.9  | 297.9  | 295.1  | 293.7  | 292.2  | 312.0  | 367.1  | 456.0  | 584.5  | 765.2  | 998.1  | 62.5° |
| 63°   | 293.7  | 292.2  | 292.2  | 288.0  | 288.0  | 306.4  | 360.0  | 450.4  | 573.2  | 756.7  | 989.7  | 63°   |
| 65°   | 278.1  | 278.1  | 278.1  | 275.3  | 273.9  | 288.0  | 331.8  | 410.8  | 529.4  | 717.2  | 947.3  | 65°   |
| 67.5° | 261.2  | 262.6  | 259.8  | 258.4  | 256.9  | 265.4  | 299.3  | 361.4  | 461.7  | 633.9  | 868.3  | 67.5° |
| 70°   | 237.2  | 238.6  | 238.6  | 237.2  | 235.8  | 241.4  | 262.6  | 310.6  | 382.6  | 528.0  | 739.8  | 70°   |
| 72.5° | 216.0  | 218.8  | 218.8  | 221.7  | 221.7  | 225.9  | 234.4  | 258.4  | 306.4  | 412.2  | 581.7  | 72.5° |
| 75°   | 193.4  | 194.8  | 197.7  | 200.5  | 197.7  | 196.2  | 197.7  | 216.0  | 240.0  | 304.9  | 415.1  | 75°   |
| 77.5° | 173.7  | 177.9  | 177.9  | 176.5  | 172.2  | 169.4  | 169.4  | 177.9  | 197.7  | 231.5  | 296.5  | 77.5° |
| 80°   | 144.0  | 151.1  | 152.5  | 148.2  | 144.0  | 144.0  | 146.8  | 152.5  | 165.2  | 190.6  | 224.5  | 80°   |
| 82.5° | 115.8  | 122.8  | 124.2  | 125.6  | 124.2  | 128.5  | 128.5  | 129.9  | 136.9  | 156.7  | 183.5  | 82.5° |
| 85°   | 88.9   | 94.6   | 98.8   | 100.2  | 101.6  | 103.1  | 101.6  | 94.6   | 98.8   | 111.5  | 124.2  | 85°   |
| 87.5° | 39.5   | 40.9   | 38.1   | 39.5   | 38.1   | 39.5   | 40.9   | 33.9   | 32.5   | 43.8   | 45.2   | 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: P152697

NUMBER: VXM-F05-LED-E1-SLL-7060

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 | 1481.0 |
| 1465.4 | 1465.4 | 1466.9 | 1464.0 | 1464.0 | 1465.4 | 1461.2 |
| 1442.9 | 1448.5 | 1448.5 | 1448.5 | 1445.7 | 1448.5 | 1449.9 |
| 1448.5 | 1452.7 | 1455.6 | 1455.6 | 1454.1 | 1459.8 | 1464.0 |
| 1455.6 | 1462.6 | 1465.4 | 1465.4 | 1465.4 | 1472.5 | 1482.4 |
| 1482.4 | 1488.0 | 1492.3 | 1492.3 | 1495.1 | 1503.6 | 1514.9 |
| 1531.8 | 1538.9 | 1538.9 | 1537.4 | 1545.9 | 1555.8 | 1568.5 |
| 1586.9 | 1606.6 | 1616.5 | 1615.1 | 1622.1 | 1634.9 | 1649.0 |
| 1639.1 | 1694.2 | 1718.2 | 1735.1 | 1742.2 | 1759.1 | 1763.3 |
| 1682.9 | 1774.6 | 1841.0 | 1897.4 | 1924.3 | 1941.2 | 1961.0 |
| 1667.3 | 1791.6 | 1910.2 | 2025.9 | 2107.8 | 2191.1 | 2226.4 |
| 1603.8 | 1759.1 | 1914.4 | 2083.8 | 2232.0 | 2380.3 | 2487.6 |
| 1526.1 | 1712.5 | 1921.4 | 2161.5 | 2395.8 | 2623.1 | 2803.8 |
| 1437.2 | 1668.7 | 1937.0 | 2233.5 | 2541.2 | 2839.1 | 3100.3 |
| 1325.7 | 1585.4 | 1898.9 | 2240.5 | 2603.3 | 2964.8 | 3303.6 |
| 1184.5 | 1472.5 | 1809.9 | 2189.7 | 2606.2 | 3019.8 | 3425.0 |
| 1043.3 | 1329.9 | 1697.0 | 2116.3 | 2569.5 | 3032.5 | 3501.2 |
| 944.5  | 1202.8 | 1582.6 | 2023.1 | 2510.2 | 3012.8 | 3538.0 |
| 876.7  | 1111.1 | 1481.0 | 1938.4 | 2446.6 | 2977.5 | 3543.6 |
| 871.1  | 1071.6 | 1414.6 | 1876.3 | 2395.8 | 2946.4 | 3543.6 |
| 919.1  | 1092.7 | 1392.0 | 1845.2 | 2374.6 | 2936.5 | 3546.4 |
| 1009.4 | 1177.4 | 1433.0 | 1869.2 | 2391.6 | 2949.2 | 3559.1 |
| 1118.1 | 1305.9 | 1543.1 | 1952.5 | 2463.6 | 2991.6 | 3587.4 |
| 1217.0 | 1454.1 | 1730.9 | 2113.5 | 2594.9 | 3098.9 | 3666.4 |
| 1274.8 | 1581.2 | 1929.9 | 2339.3 | 2819.4 | 3312.1 | 3824.5 |
| 1281.9 | 1651.8 | 2106.4 | 2585.0 | 3091.8 | 3556.3 | 4077.3 |
| 1276.3 | 1657.4 | 2129.0 | 2631.6 | 3149.7 | 3617.0 | 4164.8 |
| 1245.2 | 1658.9 | 2192.5 | 2795.3 | 3350.2 | 3872.5 | 4409.0 |
| 1166.1 | 1613.7 | 2215.1 | 2923.8 | 3602.9 | 4208.6 | 4865.0 |
| 1029.2 | 1485.2 | 2148.7 | 2926.6 | 3700.3 | 4396.3 | 5153.0 |
| 827.3  | 1241.0 | 1862.2 | 2662.6 | 3443.4 | 4211.4 | 5078.2 |
| 605.7  | 912.0  | 1407.6 | 2062.6 | 2809.5 | 3505.5 | 4349.7 |
| 402.4  | 590.1  | 948.7  | 1469.7 | 2014.6 | 2522.9 | 3131.4 |
| 276.7  | 365.7  | 554.8  | 883.8  | 1232.5 | 1479.6 | 1994.9 |
| 203.3  | 241.4  | 307.8  | 451.8  | 593.0  | 729.9  | 1041.9 |
| 127.1  | 138.4  | 153.9  | 223.1  | 319.1  | 430.6  | 649.4  |
| 33.9   | 35.3   | 32.5   | 43.8   | 69.2   | 66.4   | 73.4   |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)