

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: P153253

Luminaire Tested: **VXM-F04-LED-E1-SLR-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P153253  
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-F04-LED-E1-SLR-8030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (28) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7754.5 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

Input Watts (W): 102.2  
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



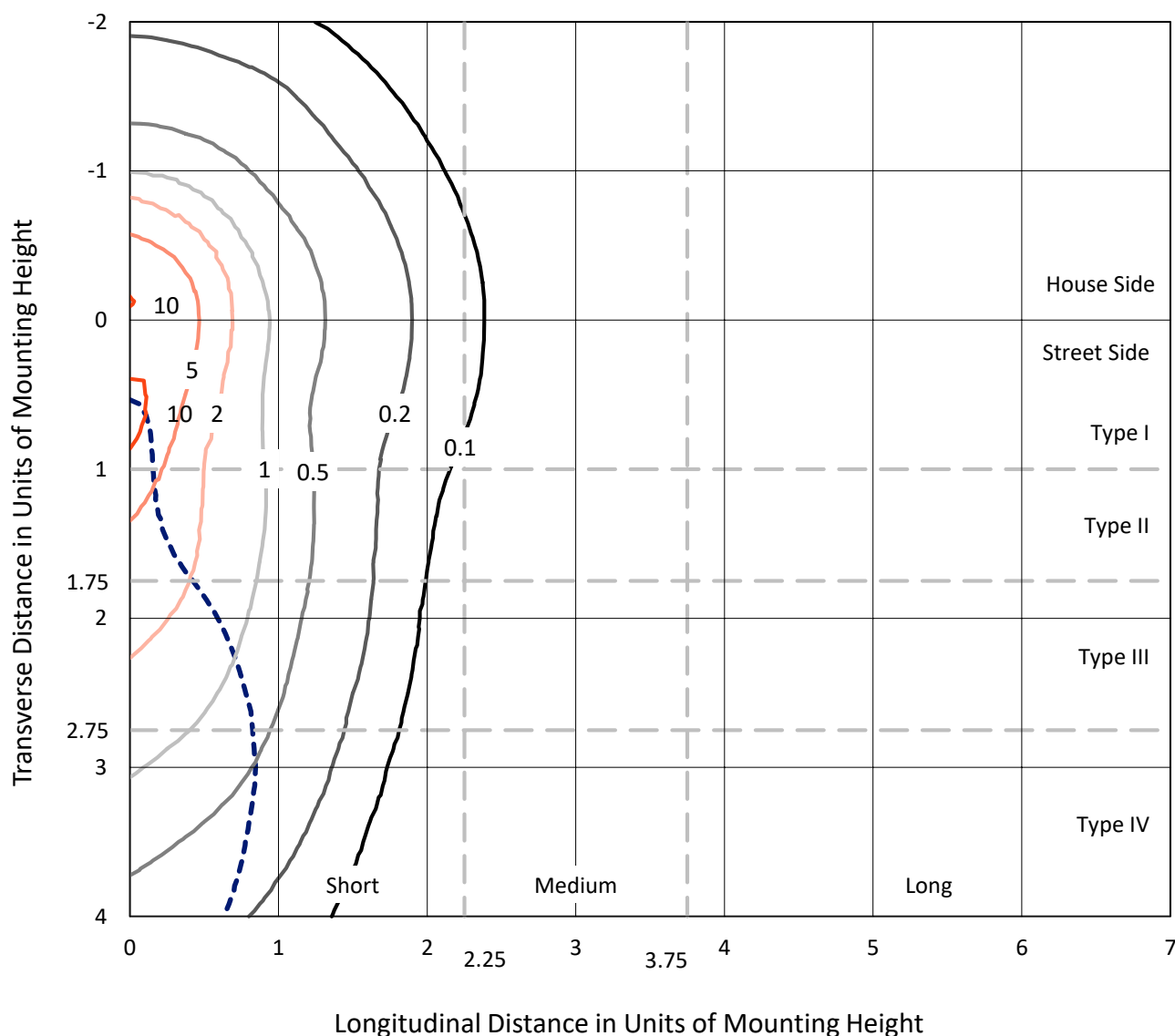
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

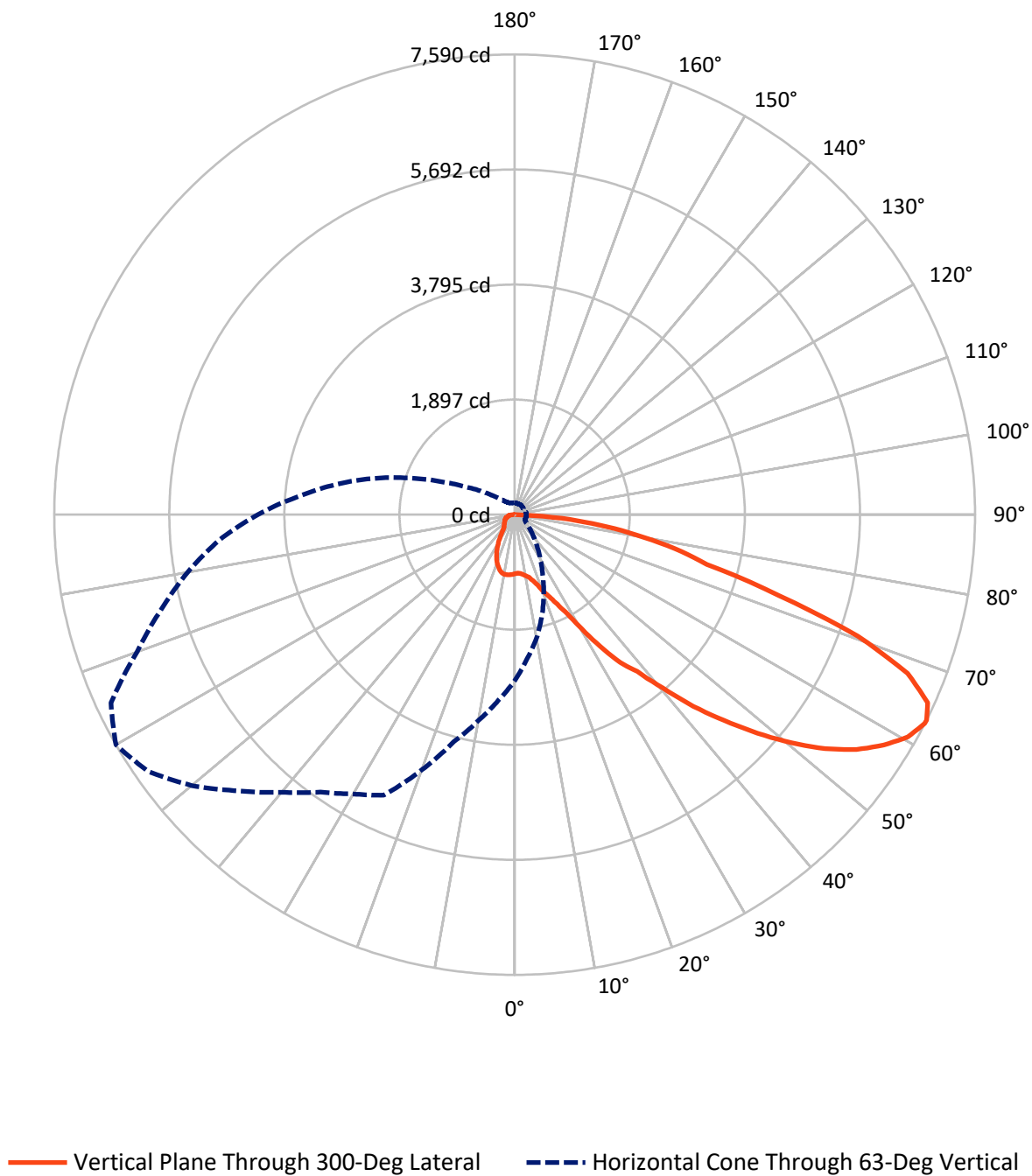


Based on 10 foot mounting height. Maximum calculated value = 12.2 fc  
 Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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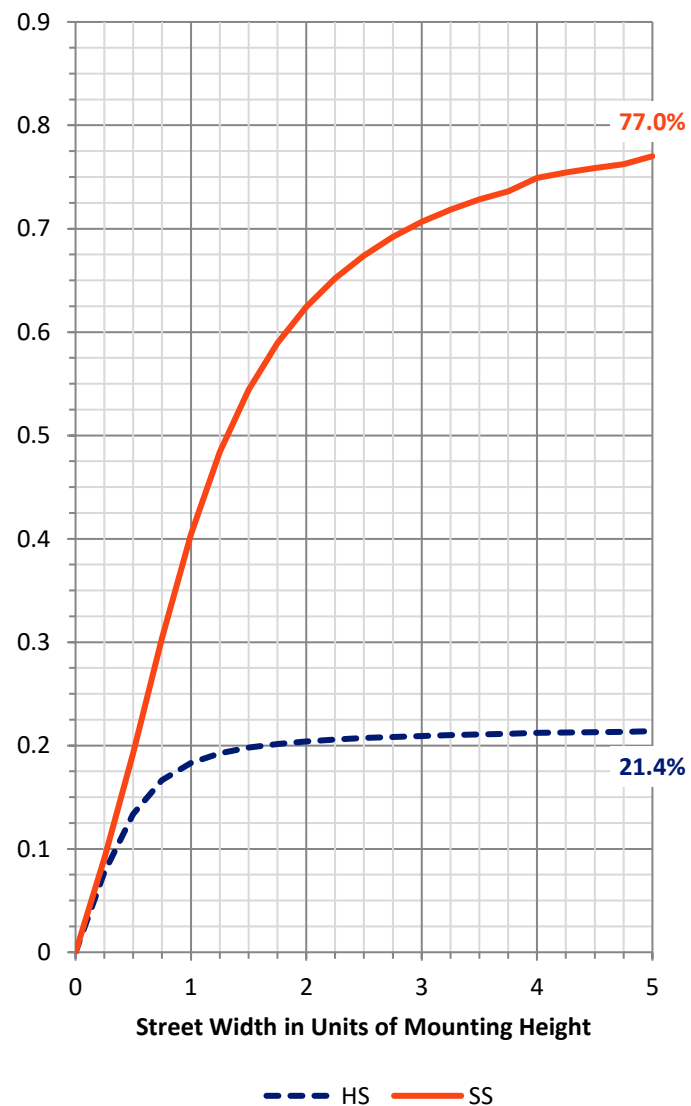
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1681.5   | 0.0    | 1681.5 |
|                    | % Fixture | 21.7     | 0.0    | 21.7   |
| <b>Street Side</b> | Lumens    | 6073.0   | 0.0    | 6073.0 |
|                    | % Fixture | 78.3     | 0.0    | 78.3   |
| <b>Total</b>       | Lumens    | 7754.5   | 0.0    | 7754.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 94.9   | 1.2       |
| 10°-20°   | 295.4  | 3.8       |
| 20°-30°   | 524.9  | 6.8       |
| 30°-40°   | 826.5  | 10.7      |
| 40°-50°   | 1216.4 | 15.7      |
| 50°-60°   | 1615.7 | 20.8      |
| 60°-70°   | 1779.7 | 23.0      |
| 70°-80°   | 1116.6 | 14.4      |
| 80°-90°   | 284.4  | 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°    | 7754.5 | 100.0     |
| 0°-180°   | 7754.5 | 100.0     |

**Coefficient of Utilization**



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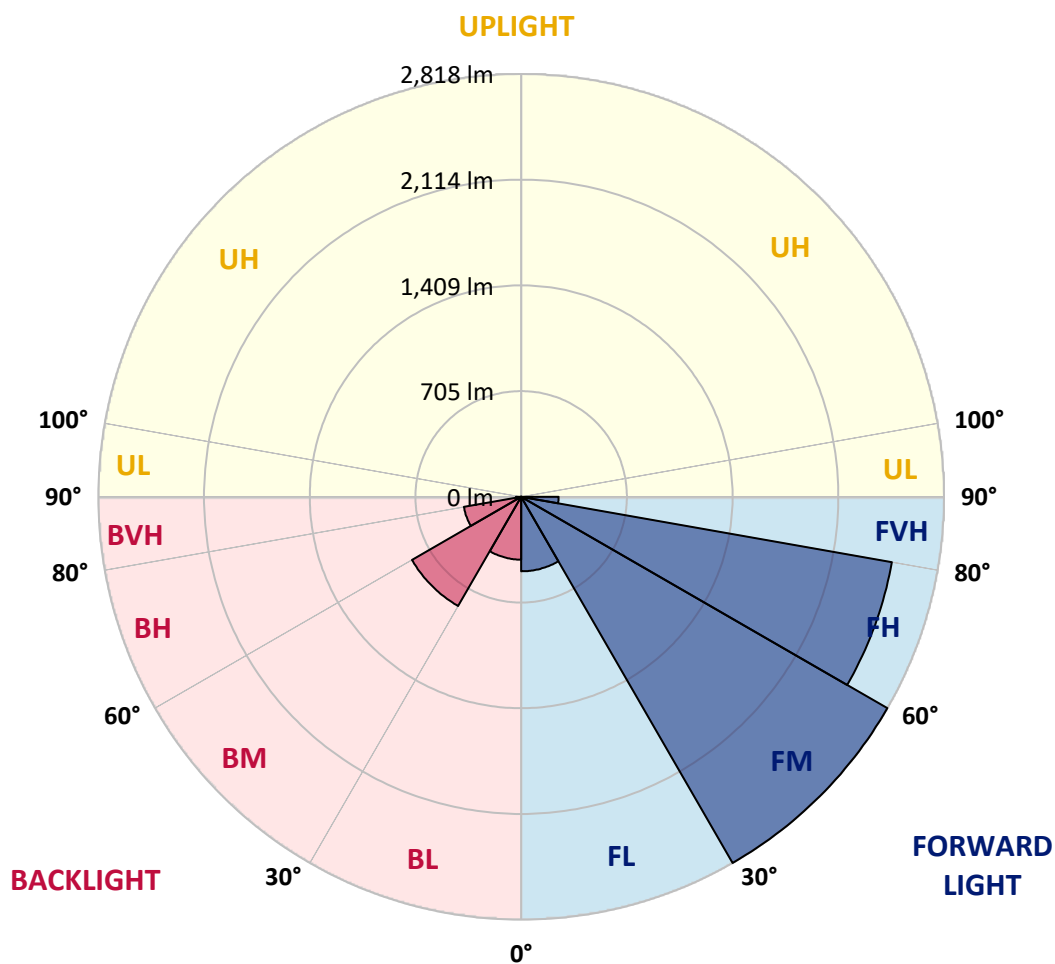
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 496.5  | 6.4       |                         |      |         |
| FM   | (30°-60°)   | 2818.2 | 36.3      |                         |      |         |
| FH   | (60°-80°)   | 2508.7 | 32.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 249.6  | 3.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 418.6  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 840.5  | 10.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 387.6  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 34.8   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°   | 50°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0°    | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5 | 974.5 |
| 2.5°  | 961.5  | 964.3  | 963.4  | 963.4  | 965.2  | 964.3  | 964.3  | 965.2  | 965.2  | 968.0 | 971.7 |
| 5°    | 954.1  | 953.1  | 951.3  | 953.1  | 953.1  | 953.1  | 949.4  | 952.2  | 953.1  | 955.0 | 955.0 |
| 7.5°  | 963.4  | 960.6  | 956.9  | 957.8  | 957.8  | 955.9  | 953.1  | 954.1  | 953.1  | 953.1 | 952.2 |
| 10°   | 975.4  | 968.9  | 964.3  | 964.3  | 964.3  | 962.4  | 957.8  | 960.6  | 960.6  | 959.6 | 960.6 |
| 12.5° | 996.8  | 989.4  | 983.8  | 981.9  | 981.9  | 979.1  | 975.4  | 979.1  | 977.3  | 977.3 | 975.4 |
| 15°   | 1032.1 | 1023.7 | 1017.2 | 1011.7 | 1012.6 | 1012.6 | 1007.9 | 1005.2 | 1001.4 | 996.8 | 987.5 |
| 17.5° | 1085.0 | 1075.8 | 1067.4 | 1062.8 | 1063.7 | 1057.2 | 1044.2 | 1031.2 | 1013.5 | 995.9 | 976.4 |
| 20°   | 1160.3 | 1157.5 | 1146.4 | 1141.7 | 1130.6 | 1114.8 | 1078.5 | 1047.9 | 1013.5 | 980.1 | 946.6 |
| 22.5° | 1290.4 | 1277.3 | 1266.2 | 1248.6 | 1211.4 | 1167.7 | 1107.3 | 1053.5 | 999.6  | 952.2 | 907.6 |
| 25°   | 1465.0 | 1441.8 | 1387.0 | 1333.1 | 1256.9 | 1178.9 | 1097.1 | 1027.5 | 960.6  | 898.3 | 843.5 |
| 27.5° | 1636.9 | 1566.3 | 1468.7 | 1371.2 | 1259.7 | 1157.5 | 1055.3 | 972.6  | 894.6  | 826.8 | 766.4 |
| 30°   | 1845.0 | 1726.0 | 1576.5 | 1422.3 | 1264.3 | 1126.9 | 1004.2 | 907.6  | 817.5  | 746.0 | 682.8 |
| 32.5° | 2040.0 | 1868.2 | 1672.2 | 1469.6 | 1274.6 | 1098.1 | 945.7  | 836.1  | 743.2  | 653.1 | 590.8 |
| 35°   | 2173.8 | 1950.9 | 1713.0 | 1474.3 | 1249.5 | 1043.2 | 872.3  | 743.2  | 650.3  | 566.7 | 493.3 |
| 37.5° | 2253.7 | 1987.1 | 1714.9 | 1440.8 | 1191.0 | 968.9  | 779.4  | 651.2  | 565.7  | 485.9 | 428.3 |
| 40°   | 2303.9 | 1995.5 | 1690.7 | 1392.5 | 1116.6 | 875.1  | 686.5  | 571.3  | 493.3  | 429.2 | 384.6 |
| 42.5° | 2328.0 | 1982.4 | 1651.7 | 1331.2 | 1041.4 | 791.5  | 621.5  | 512.8  | 445.0  | 399.5 | 366.0 |
| 45°   | 2331.7 | 1959.2 | 1609.9 | 1275.5 | 974.5  | 731.1  | 576.9  | 488.6  | 432.9  | 394.8 | 361.4 |
| 47.5° | 2331.7 | 1938.8 | 1576.5 | 1234.6 | 930.8  | 705.1  | 573.2  | 498.9  | 444.1  | 401.3 | 361.4 |
| 50°   | 2333.6 | 1932.3 | 1562.5 | 1214.2 | 916.0  | 719.0  | 604.8  | 530.4  | 468.2  | 412.5 | 360.4 |
| 52.5° | 2342.0 | 1940.6 | 1573.7 | 1230.0 | 942.9  | 774.8  | 664.2  | 577.8  | 499.8  | 425.5 | 360.4 |
| 55°   | 2360.5 | 1968.5 | 1621.1 | 1284.8 | 1015.4 | 859.3  | 735.8  | 628.9  | 524.9  | 431.0 | 354.9 |
| 57.5° | 2412.6 | 2039.1 | 1707.5 | 1390.7 | 1138.9 | 956.9  | 800.8  | 665.2  | 534.2  | 426.4 | 343.7 |
| 60°   | 2516.6 | 2179.4 | 1855.2 | 1539.3 | 1269.9 | 1040.5 | 838.9  | 670.7  | 525.8  | 411.5 | 326.1 |
| 62.5° | 2682.9 | 2340.1 | 2034.5 | 1701.0 | 1386.0 | 1086.9 | 843.5  | 656.8  | 503.5  | 384.6 | 300.1 |
| 63°   | 2740.5 | 2380.0 | 2072.6 | 1731.6 | 1400.9 | 1090.6 | 839.8  | 651.2  | 497.9  | 377.2 | 296.3 |
| 65°   | 2901.2 | 2548.2 | 2204.5 | 1839.4 | 1442.7 | 1091.6 | 819.4  | 623.3  | 471.9  | 348.4 | 270.3 |
| 67.5° | 3201.3 | 2769.3 | 2370.8 | 1923.9 | 1457.6 | 1061.8 | 767.3  | 571.3  | 417.1  | 303.8 | 237.8 |
| 70°   | 3390.8 | 2892.8 | 2434.9 | 1925.8 | 1413.9 | 977.3  | 677.2  | 486.8  | 347.4  | 251.8 | 204.4 |
| 72.5° | 3341.5 | 2771.1 | 2265.8 | 1752.1 | 1225.3 | 816.6  | 544.4  | 382.7  | 271.3  | 201.6 | 170.0 |
| 75°   | 2862.2 | 2306.7 | 1848.7 | 1357.2 | 926.2  | 600.1  | 398.5  | 273.1  | 200.7  | 157.9 | 142.1 |
| 77.5° | 2060.5 | 1660.1 | 1325.7 | 967.1  | 624.3  | 388.3  | 264.8  | 195.1  | 152.4  | 130.1 | 117.1 |
| 80°   | 1312.6 | 973.6  | 811.0  | 581.5  | 365.1  | 240.6  | 182.1  | 147.7  | 125.4  | 108.7 | 100.3 |
| 82.5° | 685.6  | 480.3  | 390.2  | 297.3  | 202.5  | 158.9  | 133.8  | 120.8  | 103.1  | 90.1  | 85.5  |
| 85°   | 427.3  | 283.3  | 209.9  | 146.8  | 101.3  | 91.0   | 83.6   | 81.8   | 73.4   | 65.0  | 62.2  |
| 87.5° | 48.3   | 43.7   | 45.5   | 28.8   | 21.4   | 23.2   | 22.3   | 29.7   | 28.8   | 21.4  | 22.3  |
| 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):**

|       | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 974.5 | 974.5 | 974.5 | 974.5 | 974.5 | 974.5 | 974.5 | 974.5 | 974.5 | 974.5 | 974.5 |
| 2.5°  | 968.0 | 969.9 | 969.9 | 972.6 | 972.6 | 974.5 | 976.4 | 976.4 | 978.2 | 979.1 | 981.0 |
| 5°    | 956.9 | 956.9 | 956.9 | 960.6 | 961.5 | 967.1 | 968.9 | 970.8 | 972.6 | 979.1 | 982.9 |
| 7.5°  | 954.1 | 950.3 | 952.2 | 952.2 | 955.0 | 959.6 | 964.3 | 967.1 | 969.9 | 978.2 | 983.8 |
| 10°   | 959.6 | 956.9 | 954.1 | 954.1 | 955.0 | 956.9 | 960.6 | 963.4 | 965.2 | 973.6 | 978.2 |
| 12.5° | 974.5 | 968.0 | 962.4 | 957.8 | 954.1 | 953.1 | 951.3 | 952.2 | 954.1 | 958.7 | 965.2 |
| 15°   | 977.3 | 965.2 | 953.1 | 941.1 | 931.8 | 926.2 | 921.5 | 919.7 | 919.7 | 922.5 | 929.9 |
| 17.5° | 958.7 | 938.3 | 920.6 | 904.8 | 894.6 | 884.4 | 879.7 | 876.0 | 874.2 | 877.9 | 878.8 |
| 20°   | 918.8 | 894.6 | 870.5 | 851.9 | 833.3 | 830.5 | 823.1 | 824.9 | 826.8 | 832.4 | 835.2 |
| 22.5° | 864.0 | 835.2 | 805.4 | 785.9 | 771.1 | 758.0 | 749.7 | 753.4 | 756.2 | 761.8 | 764.6 |
| 25°   | 797.1 | 755.3 | 723.7 | 704.2 | 688.4 | 677.2 | 667.9 | 671.7 | 667.9 | 674.4 | 684.7 |
| 27.5° | 718.1 | 668.9 | 635.4 | 613.1 | 602.0 | 592.7 | 583.4 | 583.4 | 592.7 | 592.7 | 601.1 |
| 30°   | 622.4 | 586.2 | 542.5 | 519.3 | 505.4 | 499.8 | 498.9 | 497.0 | 503.5 | 507.2 | 516.5 |
| 32.5° | 532.3 | 487.7 | 445.9 | 423.6 | 411.5 | 405.0 | 406.0 | 406.9 | 409.7 | 415.3 | 430.1 |
| 35°   | 441.3 | 402.2 | 372.5 | 347.4 | 335.4 | 323.3 | 323.3 | 321.4 | 324.2 | 330.7 | 348.4 |
| 37.5° | 382.7 | 348.4 | 325.1 | 305.6 | 293.6 | 286.1 | 279.6 | 276.8 | 276.8 | 279.6 | 286.1 |
| 40°   | 350.2 | 325.1 | 303.8 | 287.1 | 275.9 | 269.4 | 265.7 | 262.9 | 261.0 | 261.0 | 262.0 |
| 42.5° | 335.4 | 309.4 | 288.0 | 273.1 | 264.8 | 261.0 | 260.1 | 259.2 | 256.4 | 255.5 | 254.5 |
| 45°   | 327.9 | 298.2 | 274.0 | 262.0 | 255.5 | 253.6 | 254.5 | 254.5 | 253.6 | 251.8 | 248.0 |
| 47.5° | 322.4 | 288.0 | 263.8 | 252.7 | 249.9 | 249.9 | 249.9 | 249.9 | 249.0 | 248.0 | 245.3 |
| 50°   | 313.1 | 272.2 | 246.2 | 237.8 | 236.0 | 236.0 | 236.9 | 236.9 | 238.7 | 236.9 | 235.0 |
| 52.5° | 302.8 | 257.3 | 231.3 | 223.9 | 223.0 | 222.0 | 222.0 | 222.0 | 223.0 | 223.0 | 222.0 |
| 55°   | 291.7 | 246.2 | 223.9 | 218.3 | 219.2 | 218.3 | 217.4 | 216.5 | 216.5 | 215.5 | 213.7 |
| 57.5° | 280.6 | 236.9 | 218.3 | 214.6 | 215.5 | 215.5 | 213.7 | 211.8 | 210.9 | 208.1 | 206.2 |
| 60°   | 263.8 | 223.9 | 207.2 | 205.3 | 208.1 | 208.1 | 208.1 | 207.2 | 207.2 | 206.2 | 201.6 |
| 62.5° | 241.5 | 205.3 | 192.3 | 193.2 | 194.2 | 196.0 | 196.0 | 196.0 | 196.0 | 194.2 | 189.5 |
| 63°   | 236.9 | 201.6 | 189.5 | 189.5 | 192.3 | 192.3 | 193.2 | 192.3 | 193.2 | 191.4 | 185.8 |
| 65°   | 218.3 | 189.5 | 180.2 | 181.2 | 183.0 | 183.0 | 183.0 | 182.1 | 182.1 | 179.3 | 176.5 |
| 67.5° | 196.9 | 174.6 | 169.1 | 170.0 | 170.9 | 172.8 | 171.9 | 171.9 | 172.8 | 170.9 | 168.1 |
| 70°   | 172.8 | 158.9 | 155.1 | 156.1 | 157.0 | 157.0 | 156.1 | 156.1 | 157.0 | 155.1 | 152.4 |
| 72.5° | 154.2 | 148.6 | 145.8 | 145.8 | 144.0 | 144.0 | 142.1 | 141.2 | 140.3 | 140.3 | 137.5 |
| 75°   | 130.1 | 129.1 | 130.1 | 131.9 | 130.1 | 128.2 | 127.3 | 124.5 | 122.6 | 122.6 | 121.7 |
| 77.5° | 111.5 | 111.5 | 113.3 | 116.1 | 117.1 | 117.1 | 114.3 | 109.6 | 108.7 | 108.7 | 108.7 |
| 80°   | 96.6  | 94.8  | 94.8  | 97.5  | 100.3 | 99.4  | 94.8  | 90.1  | 90.1  | 94.8  | 95.7  |
| 82.5° | 84.5  | 84.5  | 81.8  | 82.7  | 81.8  | 80.8  | 76.2  | 73.4  | 72.5  | 76.2  | 79.9  |
| 85°   | 66.9  | 67.8  | 66.9  | 66.0  | 65.0  | 62.2  | 58.5  | 55.7  | 54.8  | 58.5  | 64.1  |
| 87.5° | 26.9  | 26.0  | 25.1  | 26.0  | 25.1  | 26.9  | 26.0  | 24.2  | 23.2  | 26.0  | 31.6  |
| 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):**

|       | 110°  | 115°  | 120°  | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 974.5 | 974.5 | 974.5 | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  |
| 2.5°  | 981.9 | 983.8 | 985.6 | 985.6  | 987.5  | 986.6  | 987.5  | 988.4  | 988.4  | 989.4  | 989.4  |
| 5°    | 987.5 | 990.3 | 994.0 | 997.7  | 998.7  | 1001.4 | 1004.2 | 1002.4 | 1005.2 | 1008.9 | 1008.9 |
| 7.5°  | 989.4 | 995.9 | 998.7 | 1004.2 | 1005.2 | 1008.9 | 1015.4 | 1010.7 | 1016.3 | 1019.1 | 1020.0 |
| 10°   | 986.6 | 993.1 | 997.7 | 1004.2 | 1007.0 | 1013.5 | 1020.0 | 1018.2 | 1024.7 | 1029.3 | 1030.2 |
| 12.5° | 969.9 | 976.4 | 986.6 | 995.9  | 1003.3 | 1013.5 | 1025.6 | 1021.9 | 1031.2 | 1036.7 | 1039.5 |
| 15°   | 937.3 | 943.8 | 955.0 | 969.9  | 983.8  | 999.6  | 1015.4 | 1018.2 | 1027.5 | 1034.0 | 1036.7 |
| 17.5° | 886.2 | 894.6 | 906.7 | 922.5  | 940.1  | 967.1  | 987.5  | 997.7  | 1010.7 | 1014.4 | 1019.1 |
| 20°   | 838.9 | 847.2 | 854.7 | 864.0  | 877.0  | 903.0  | 929.9  | 950.3  | 967.1  | 981.0  | 984.7  |
| 22.5° | 775.7 | 783.1 | 792.4 | 799.9  | 809.1  | 827.7  | 850.0  | 873.2  | 899.3  | 907.6  | 916.9  |
| 25°   | 699.5 | 704.2 | 717.2 | 721.8  | 728.3  | 744.1  | 761.8  | 778.5  | 803.6  | 821.2  | 825.9  |
| 27.5° | 617.8 | 622.4 | 634.5 | 637.3  | 645.6  | 660.5  | 673.5  | 680.0  | 703.2  | 721.8  | 736.7  |
| 30°   | 523.0 | 535.1 | 550.0 | 551.8  | 561.1  | 570.4  | 582.5  | 589.0  | 610.3  | 629.8  | 648.4  |
| 32.5° | 441.3 | 453.3 | 465.4 | 472.9  | 477.5  | 484.9  | 497.0  | 503.5  | 523.9  | 541.6  | 560.2  |
| 35°   | 357.7 | 372.5 | 385.5 | 395.7  | 399.5  | 408.8  | 418.0  | 424.5  | 445.9  | 461.7  | 474.7  |
| 37.5° | 294.5 | 305.6 | 319.6 | 329.8  | 340.0  | 346.5  | 357.7  | 366.9  | 380.0  | 388.3  | 402.2  |
| 40°   | 263.8 | 269.4 | 276.8 | 285.2  | 293.6  | 301.0  | 309.4  | 316.8  | 325.1  | 336.3  | 345.6  |
| 42.5° | 253.6 | 254.5 | 254.5 | 257.3  | 262.0  | 265.7  | 273.1  | 278.7  | 284.3  | 292.6  | 297.3  |
| 45°   | 246.2 | 245.3 | 243.4 | 241.5  | 242.5  | 244.3  | 249.0  | 252.7  | 259.2  | 262.9  | 263.8  |
| 47.5° | 242.5 | 238.7 | 235.0 | 232.2  | 231.3  | 232.2  | 236.0  | 239.7  | 243.4  | 246.2  | 247.1  |
| 50°   | 230.4 | 227.6 | 222.0 | 218.3  | 216.5  | 218.3  | 223.0  | 224.8  | 228.5  | 231.3  | 232.2  |
| 52.5° | 218.3 | 214.6 | 210.9 | 207.2  | 207.2  | 208.1  | 211.8  | 215.5  | 219.2  | 220.2  | 222.0  |
| 55°   | 210.9 | 205.3 | 201.6 | 198.8  | 196.9  | 199.7  | 202.5  | 207.2  | 211.8  | 212.7  | 214.6  |
| 57.5° | 203.4 | 197.9 | 194.2 | 191.4  | 189.5  | 192.3  | 195.1  | 201.6  | 207.2  | 207.2  | 207.2  |
| 60°   | 198.8 | 194.2 | 188.6 | 185.8  | 183.0  | 185.8  | 189.5  | 196.0  | 201.6  | 200.7  | 199.7  |
| 62.5° | 185.8 | 181.2 | 178.4 | 178.4  | 175.6  | 180.2  | 183.9  | 191.4  | 192.3  | 190.4  | 188.6  |
| 63°   | 182.1 | 178.4 | 176.5 | 176.5  | 174.6  | 179.3  | 183.0  | 189.5  | 189.5  | 187.7  | 185.8  |
| 65°   | 172.8 | 170.0 | 168.1 | 170.0  | 170.0  | 174.6  | 175.6  | 180.2  | 179.3  | 176.5  | 175.6  |
| 67.5° | 165.4 | 163.5 | 161.6 | 161.6  | 161.6  | 162.6  | 163.5  | 165.4  | 164.4  | 163.5  | 164.4  |
| 70°   | 153.3 | 152.4 | 150.5 | 150.5  | 149.6  | 149.6  | 149.6  | 150.5  | 150.5  | 151.4  | 152.4  |
| 72.5° | 138.4 | 136.6 | 136.6 | 137.5  | 135.6  | 136.6  | 137.5  | 136.6  | 138.4  | 138.4  | 139.3  |
| 75°   | 121.7 | 120.8 | 122.6 | 124.5  | 123.6  | 123.6  | 124.5  | 124.5  | 125.4  | 125.4  | 126.3  |
| 77.5° | 108.7 | 109.6 | 110.5 | 112.4  | 113.3  | 113.3  | 113.3  | 112.4  | 113.3  | 113.3  | 114.3  |
| 80°   | 96.6  | 98.5  | 100.3 | 102.2  | 103.1  | 103.1  | 103.1  | 102.2  | 102.2  | 102.2  | 102.2  |
| 82.5° | 87.3  | 90.1  | 92.0  | 92.9   | 92.9   | 92.9   | 92.9   | 92.9   | 92.9   | 91.0   | 89.2   |
| 85°   | 73.4  | 79.0  | 79.0  | 79.9   | 77.1   | 75.2   | 73.4   | 74.3   | 75.2   | 71.5   | 70.6   |
| 87.5° | 37.2  | 37.2  | 39.0  | 40.9   | 41.8   | 41.8   | 47.4   | 44.6   | 43.7   | 42.7   | 40.9   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  |
| 2.5°  | 990.3  | 989.4  | 991.2  | 989.4  | 990.3  | 991.2  | 989.4  | 992.2  | 994.0  | 991.2  | 988.4  |
| 5°    | 1010.7 | 1010.7 | 1015.4 | 1017.2 | 1018.2 | 1023.7 | 1020.9 | 1022.8 | 1024.7 | 1023.7 | 1024.7 |
| 7.5°  | 1023.7 | 1027.5 | 1032.1 | 1036.7 | 1037.7 | 1042.3 | 1041.4 | 1044.2 | 1046.0 | 1050.7 | 1050.7 |
| 10°   | 1034.9 | 1039.5 | 1046.0 | 1050.7 | 1055.3 | 1059.0 | 1060.9 | 1066.5 | 1067.4 | 1071.1 | 1071.1 |
| 12.5° | 1045.1 | 1050.7 | 1057.2 | 1064.6 | 1069.3 | 1076.7 | 1077.6 | 1086.0 | 1088.8 | 1089.7 | 1086.9 |
| 15°   | 1043.2 | 1049.7 | 1057.2 | 1065.5 | 1073.9 | 1083.2 | 1088.8 | 1097.1 | 1101.8 | 1103.6 | 1099.0 |
| 17.5° | 1025.6 | 1031.2 | 1040.5 | 1051.6 | 1061.8 | 1073.9 | 1084.1 | 1096.2 | 1103.6 | 1105.5 | 1104.6 |
| 20°   | 991.2  | 994.9  | 1007.0 | 1021.9 | 1034.0 | 1052.5 | 1067.4 | 1086.0 | 1098.1 | 1107.3 | 1110.1 |
| 22.5° | 923.4  | 932.7  | 944.8  | 961.5  | 979.1  | 1002.4 | 1023.7 | 1050.7 | 1076.7 | 1099.0 | 1121.3 |
| 25°   | 841.7  | 858.4  | 877.0  | 899.3  | 920.6  | 944.8  | 968.9  | 999.6  | 1037.7 | 1084.1 | 1137.1 |
| 27.5° | 759.0  | 787.8  | 811.0  | 839.8  | 864.9  | 889.0  | 916.0  | 949.4  | 991.2  | 1047.0 | 1114.8 |
| 30°   | 675.4  | 707.9  | 733.0  | 766.4  | 799.9  | 832.4  | 859.3  | 894.6  | 935.5  | 992.2  | 1066.5 |
| 32.5° | 586.2  | 618.7  | 648.4  | 679.1  | 716.2  | 755.3  | 787.8  | 831.4  | 875.1  | 933.6  | 1008.9 |
| 35°   | 494.2  | 523.0  | 548.1  | 580.6  | 621.5  | 663.3  | 706.0  | 756.2  | 803.6  | 864.9  | 944.8  |
| 37.5° | 414.3  | 434.8  | 458.9  | 487.7  | 519.3  | 563.9  | 612.2  | 671.7  | 725.5  | 792.4  | 874.2  |
| 40°   | 348.4  | 359.5  | 373.5  | 397.6  | 426.4  | 470.1  | 517.4  | 580.6  | 645.6  | 719.0  | 798.0  |
| 42.5° | 297.3  | 302.8  | 306.6  | 322.4  | 345.6  | 388.3  | 433.8  | 495.1  | 566.7  | 646.6  | 726.5  |
| 45°   | 263.8  | 266.6  | 267.5  | 275.9  | 292.6  | 329.8  | 377.2  | 429.2  | 497.9  | 576.0  | 659.6  |
| 47.5° | 248.0  | 250.8  | 252.7  | 254.5  | 264.8  | 293.6  | 336.3  | 385.5  | 448.7  | 520.2  | 605.7  |
| 50°   | 235.0  | 237.8  | 240.6  | 239.7  | 244.3  | 262.9  | 299.1  | 344.7  | 404.1  | 470.1  | 554.6  |
| 52.5° | 222.0  | 223.9  | 223.9  | 223.9  | 226.7  | 238.7  | 264.8  | 306.6  | 361.4  | 423.6  | 507.2  |
| 55°   | 214.6  | 216.5  | 217.4  | 218.3  | 219.2  | 225.7  | 245.3  | 278.7  | 326.1  | 383.7  | 458.9  |
| 57.5° | 207.2  | 208.1  | 209.9  | 210.9  | 212.7  | 216.5  | 228.5  | 252.7  | 292.6  | 340.9  | 404.1  |
| 60°   | 200.7  | 202.5  | 206.2  | 207.2  | 209.0  | 209.9  | 215.5  | 230.4  | 256.4  | 293.6  | 344.7  |
| 62.5° | 190.4  | 193.2  | 196.9  | 197.9  | 199.7  | 200.7  | 201.6  | 209.9  | 222.0  | 244.3  | 282.4  |
| 63°   | 187.7  | 190.4  | 195.1  | 196.0  | 196.9  | 196.9  | 197.9  | 203.4  | 214.6  | 234.1  | 262.0  |
| 65°   | 177.4  | 181.2  | 183.9  | 184.9  | 185.8  | 185.8  | 184.9  | 186.7  | 187.7  | 196.0  | 212.7  |
| 67.5° | 166.3  | 169.1  | 170.9  | 171.9  | 170.9  | 171.9  | 170.9  | 169.1  | 167.2  | 169.1  | 176.5  |
| 70°   | 155.1  | 157.0  | 157.0  | 157.9  | 158.9  | 159.8  | 157.9  | 156.1  | 154.2  | 153.3  | 157.9  |
| 72.5° | 142.1  | 144.0  | 144.0  | 144.9  | 144.9  | 146.8  | 146.8  | 145.8  | 145.8  | 146.8  | 147.7  |
| 75°   | 129.1  | 131.0  | 130.1  | 131.9  | 131.9  | 134.7  | 134.7  | 135.6  | 137.5  | 136.6  | 135.6  |
| 77.5° | 117.1  | 118.0  | 118.0  | 118.9  | 119.8  | 124.5  | 127.3  | 128.2  | 128.2  | 126.3  | 124.5  |
| 80°   | 104.0  | 104.0  | 102.2  | 101.3  | 102.2  | 106.8  | 112.4  | 113.3  | 116.1  | 115.2  | 116.1  |
| 82.5° | 87.3   | 83.6   | 80.8   | 80.8   | 82.7   | 85.5   | 87.3   | 89.2   | 91.0   | 91.0   | 92.9   |
| 85°   | 66.9   | 63.2   | 60.4   | 61.3   | 64.1   | 65.0   | 64.1   | 64.1   | 67.8   | 70.6   | 67.8   |
| 87.5° | 39.9   | 36.2   | 34.4   | 31.6   | 32.5   | 35.3   | 34.4   | 31.6   | 32.5   | 26.0   | 24.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  |
| 2.5°  | 990.3  | 989.4  | 987.5  | 984.7  | 983.8  | 981.9  | 982.9  | 980.1  | 978.2  | 976.4  | 973.6  |
| 5°    | 1024.7 | 1024.7 | 1019.1 | 1019.1 | 1016.3 | 1015.4 | 1008.9 | 1006.1 | 1000.5 | 1002.4 | 995.9  |
| 7.5°  | 1048.8 | 1051.6 | 1045.1 | 1044.2 | 1040.5 | 1039.5 | 1031.2 | 1028.4 | 1023.7 | 1021.9 | 1016.3 |
| 10°   | 1066.5 | 1066.5 | 1058.1 | 1051.6 | 1047.0 | 1042.3 | 1034.0 | 1030.2 | 1026.5 | 1027.5 | 1023.7 |
| 12.5° | 1080.4 | 1073.9 | 1061.8 | 1052.5 | 1046.0 | 1041.4 | 1034.9 | 1032.1 | 1031.2 | 1037.7 | 1038.6 |
| 15°   | 1091.6 | 1082.3 | 1067.4 | 1060.9 | 1055.3 | 1054.4 | 1054.4 | 1057.2 | 1063.7 | 1075.8 | 1085.0 |
| 17.5° | 1098.1 | 1092.5 | 1085.0 | 1083.2 | 1092.5 | 1098.1 | 1105.5 | 1113.8 | 1123.1 | 1139.9 | 1150.1 |
| 20°   | 1110.1 | 1113.8 | 1119.4 | 1126.9 | 1141.7 | 1155.7 | 1164.9 | 1177.0 | 1188.2 | 1208.6 | 1225.3 |
| 22.5° | 1141.7 | 1163.1 | 1180.7 | 1195.6 | 1217.9 | 1237.4 | 1249.5 | 1266.2 | 1274.6 | 1288.5 | 1314.5 |
| 25°   | 1182.6 | 1226.3 | 1263.4 | 1295.0 | 1329.4 | 1349.8 | 1366.5 | 1387.9 | 1400.9 | 1424.1 | 1447.4 |
| 27.5° | 1170.5 | 1232.8 | 1288.5 | 1347.0 | 1394.4 | 1447.4 | 1484.5 | 1519.8 | 1542.1 | 1576.5 | 1607.1 |
| 30°   | 1133.4 | 1207.7 | 1282.9 | 1360.0 | 1435.3 | 1511.5 | 1582.1 | 1646.2 | 1695.4 | 1744.6 | 1794.8 |
| 32.5° | 1083.2 | 1168.7 | 1260.6 | 1355.4 | 1453.9 | 1559.8 | 1657.3 | 1753.9 | 1835.7 | 1907.2 | 1976.9 |
| 35°   | 1025.6 | 1122.2 | 1217.9 | 1334.9 | 1456.6 | 1591.3 | 1727.0 | 1860.7 | 1985.2 | 2111.6 | 2197.0 |
| 37.5° | 956.9  | 1055.3 | 1162.2 | 1296.9 | 1439.9 | 1606.2 | 1779.0 | 1953.6 | 2130.2 | 2300.2 | 2447.9 |
| 40°   | 883.5  | 983.8  | 1096.2 | 1242.0 | 1403.7 | 1596.9 | 1812.4 | 2047.5 | 2289.9 | 2536.1 | 2732.1 |
| 42.5° | 818.4  | 921.5  | 1044.2 | 1191.9 | 1367.5 | 1584.8 | 1839.4 | 2128.3 | 2424.6 | 2729.3 | 3017.3 |
| 45°   | 755.3  | 868.6  | 997.7  | 1156.6 | 1351.7 | 1594.1 | 1879.3 | 2203.5 | 2545.4 | 2915.1 | 3266.3 |
| 47.5° | 698.6  | 813.8  | 939.2  | 1112.9 | 1328.4 | 1598.8 | 1918.3 | 2278.8 | 2659.7 | 3060.1 | 3477.2 |
| 50°   | 647.5  | 759.0  | 882.5  | 1057.2 | 1292.2 | 1596.0 | 1953.6 | 2346.6 | 2758.1 | 3174.3 | 3639.7 |
| 52.5° | 597.3  | 710.7  | 837.0  | 1003.3 | 1247.6 | 1580.2 | 1970.4 | 2402.3 | 2849.2 | 3289.5 | 3770.7 |
| 55°   | 548.1  | 659.6  | 786.8  | 952.2  | 1189.1 | 1539.3 | 1968.5 | 2438.6 | 2921.6 | 3398.2 | 3897.1 |
| 57.5° | 490.5  | 596.4  | 720.9  | 895.5  | 1126.9 | 1476.2 | 1940.6 | 2455.3 | 2983.9 | 3506.0 | 4048.5 |
| 60°   | 419.0  | 518.4  | 638.2  | 812.9  | 1045.1 | 1395.3 | 1882.1 | 2446.0 | 3020.1 | 3585.9 | 4177.6 |
| 62.5° | 330.7  | 417.1  | 526.7  | 697.7  | 942.9  | 1279.2 | 1772.5 | 2361.5 | 2962.5 | 3574.7 | 4238.0 |
| 63°   | 312.1  | 393.9  | 500.7  | 669.8  | 899.3  | 1247.6 | 1740.0 | 2328.0 | 2934.7 | 3551.5 | 4229.6 |
| 65°   | 250.8  | 303.8  | 389.2  | 540.7  | 752.5  | 1092.5 | 1578.3 | 2156.2 | 2785.1 | 3388.0 | 4108.9 |
| 67.5° | 192.3  | 219.2  | 264.8  | 370.7  | 532.3  | 859.3  | 1278.3 | 1827.3 | 2417.2 | 2983.9 | 3719.6 |
| 70°   | 164.4  | 176.5  | 196.0  | 246.2  | 338.1  | 542.5  | 897.4  | 1362.8 | 1873.8 | 2365.2 | 3026.6 |
| 72.5° | 149.6  | 155.1  | 165.4  | 186.7  | 232.2  | 325.1  | 572.3  | 887.2  | 1274.6 | 1686.1 | 2197.0 |
| 75°   | 137.5  | 142.1  | 150.5  | 161.6  | 178.4  | 216.5  | 326.1  | 542.5  | 828.7  | 1107.3 | 1482.7 |
| 77.5° | 125.4  | 128.2  | 137.5  | 147.7  | 158.9  | 178.4  | 215.5  | 312.1  | 476.6  | 653.1  | 893.7  |
| 80°   | 115.2  | 113.3  | 119.8  | 136.6  | 147.7  | 158.9  | 170.0  | 202.5  | 271.3  | 357.7  | 483.1  |
| 82.5° | 92.0   | 93.8   | 99.4   | 116.1  | 120.8  | 118.0  | 119.8  | 125.4  | 151.4  | 165.4  | 247.1  |
| 85°   | 62.2   | 57.6   | 56.7   | 58.5   | 58.5   | 55.7   | 55.7   | 54.8   | 60.4   | 68.7   | 118.0  |
| 87.5° | 16.7   | 8.4    | 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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REPORT N  
CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |       |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 0°    |
| 2.5°  | 971.7  | 970.8  | 971.7  | 967.1  | 967.1  | 966.1  | 965.2  | 963.4  | 963.4  | 959.6  | 962.4  | 2.5°  |
| 5°    | 990.3  | 988.4  | 984.7  | 979.1  | 976.4  | 972.6  | 972.6  | 968.9  | 966.1  | 962.4  | 963.4  | 5°    |
| 7.5°  | 1011.7 | 1012.6 | 1006.1 | 1001.4 | 999.6  | 995.9  | 996.8  | 991.2  | 992.2  | 989.4  | 987.5  | 7.5°  |
| 10°   | 1023.7 | 1023.7 | 1025.6 | 1024.7 | 1026.5 | 1026.5 | 1029.3 | 1025.6 | 1023.7 | 1020.9 | 1020.9 | 10°   |
| 12.5° | 1043.2 | 1047.0 | 1054.4 | 1054.4 | 1060.0 | 1061.8 | 1062.8 | 1064.6 | 1060.9 | 1059.0 | 1052.5 | 12.5° |
| 15°   | 1091.6 | 1100.8 | 1107.3 | 1116.6 | 1127.8 | 1131.5 | 1131.5 | 1127.8 | 1125.9 | 1123.1 | 1111.1 | 15°   |
| 17.5° | 1171.4 | 1191.9 | 1197.5 | 1212.3 | 1214.2 | 1218.8 | 1231.8 | 1224.4 | 1219.8 | 1200.2 | 1196.5 | 17.5° |
| 20°   | 1253.2 | 1279.2 | 1305.2 | 1323.8 | 1333.1 | 1351.7 | 1354.5 | 1350.7 | 1332.2 | 1313.6 | 1305.2 | 20°   |
| 22.5° | 1351.7 | 1390.7 | 1420.4 | 1449.2 | 1463.1 | 1472.4 | 1492.9 | 1488.2 | 1473.4 | 1445.5 | 1434.3 | 22.5° |
| 25°   | 1491.0 | 1539.3 | 1570.9 | 1606.2 | 1624.8 | 1634.1 | 1654.5 | 1654.5 | 1638.7 | 1630.4 | 1629.4 | 25°   |
| 27.5° | 1666.6 | 1726.0 | 1778.1 | 1790.1 | 1838.5 | 1849.6 | 1869.1 | 1869.1 | 1854.2 | 1844.0 | 1893.3 | 27.5° |
| 30°   | 1861.7 | 1923.9 | 2014.0 | 2074.4 | 2132.9 | 2190.5 | 2189.6 | 2193.3 | 2211.0 | 2220.3 | 2241.6 | 30°   |
| 32.5° | 2056.8 | 2133.9 | 2229.6 | 2360.5 | 2486.0 | 2592.8 | 2731.2 | 2819.5 | 2792.5 | 2717.3 | 2687.5 | 32.5° |
| 35°   | 2293.7 | 2379.1 | 2495.2 | 2627.2 | 2856.6 | 2995.0 | 3061.9 | 3109.3 | 3114.9 | 3125.1 | 3146.5 | 35°   |
| 37.5° | 2557.5 | 2700.5 | 2835.2 | 2984.8 | 3112.1 | 3280.2 | 3435.4 | 3559.9 | 3588.7 | 3647.2 | 3613.7 | 37.5° |
| 40°   | 2891.0 | 3050.8 | 3192.0 | 3385.2 | 3556.1 | 3758.7 | 3980.7 | 4151.6 | 4220.4 | 4198.1 | 4030.8 | 40°   |
| 42.5° | 3240.3 | 3438.2 | 3603.5 | 3831.1 | 4053.1 | 4320.7 | 4550.1 | 4788.9 | 4831.6 | 4659.8 | 4409.9 | 42.5° |
| 45°   | 3561.7 | 3807.0 | 4012.3 | 4249.2 | 4520.4 | 4840.9 | 5147.5 | 5392.7 | 5384.4 | 5089.9 | 4755.5 | 45°   |
| 47.5° | 3850.6 | 4151.6 | 4402.4 | 4710.9 | 5002.6 | 5384.4 | 5736.5 | 5917.6 | 5810.8 | 5462.4 | 5052.7 | 47.5° |
| 50°   | 4089.4 | 4464.7 | 4774.0 | 5086.2 | 5456.8 | 5916.7 | 6255.8 | 6357.9 | 6151.7 | 5772.7 | 5341.6 | 50°   |
| 52.5° | 4281.7 | 4752.7 | 5100.1 | 5459.6 | 5927.8 | 6411.8 | 6703.5 | 6665.4 | 6398.8 | 6009.6 | 5580.4 | 52.5° |
| 55°   | 4444.2 | 4972.8 | 5387.2 | 5811.7 | 6392.3 | 6838.2 | 7032.4 | 6930.2 | 6557.7 | 6162.9 | 5743.9 | 55°   |
| 57.5° | 4612.4 | 5186.5 | 5651.0 | 6143.3 | 6789.9 | 7172.7 | 7280.4 | 7070.5 | 6632.9 | 6221.4 | 5814.5 | 57.5° |
| 60°   | 4780.5 | 5364.9 | 5884.2 | 6433.2 | 7090.9 | 7445.8 | 7416.1 | 7102.1 | 6610.6 | 6178.7 | 5767.1 | 60°   |
| 62.5° | 4893.9 | 5470.8 | 6019.8 | 6611.6 | 7316.7 | 7585.1 | 7403.0 | 6989.7 | 6481.5 | 6010.5 | 5625.9 | 62.5° |
| 63°   | 4896.7 | 5474.5 | 6028.2 | 6623.6 | 7341.7 | 7589.8 | 7378.0 | 6949.7 | 6440.6 | 5976.1 | 5584.1 | 63°   |
| 65°   | 4838.1 | 5404.8 | 5953.8 | 6568.8 | 7320.4 | 7482.9 | 7161.5 | 6713.7 | 6207.4 | 5738.3 | 5366.7 | 65°   |
| 67.5° | 4539.0 | 5116.8 | 5601.8 | 6181.4 | 6937.6 | 6984.1 | 6581.8 | 6220.5 | 5765.3 | 5279.4 | 4891.1 | 67.5° |
| 70°   | 3936.1 | 4416.4 | 4892.0 | 5376.0 | 6010.5 | 6002.1 | 5624.0 | 5440.1 | 5041.6 | 4487.9 | 4176.7 | 70°   |
| 72.5° | 3130.7 | 3561.7 | 3896.1 | 4220.4 | 4638.4 | 4553.9 | 4310.5 | 4361.6 | 4103.3 | 3689.9 | 3505.0 | 72.5° |
| 75°   | 2324.3 | 2798.1 | 2961.6 | 3093.5 | 3270.0 | 3270.9 | 3337.8 | 3482.7 | 3479.0 | 3249.6 | 3016.4 | 75°   |
| 77.5° | 1524.5 | 2042.8 | 2097.6 | 2203.5 | 2415.3 | 2703.3 | 3000.6 | 3320.2 | 3400.1 | 3218.9 | 2874.3 | 77.5° |
| 80°   | 850.0  | 1388.8 | 1325.7 | 1416.7 | 1645.2 | 2036.3 | 2474.8 | 2827.8 | 3035.9 | 2934.7 | 2569.6 | 80°   |
| 82.5° | 434.8  | 800.8  | 765.5  | 891.8  | 1076.7 | 1416.7 | 1706.5 | 1977.8 | 2223.1 | 2209.1 | 2070.7 | 82.5° |
| 85°   | 225.7  | 438.5  | 498.9  | 564.8  | 657.7  | 779.4  | 889.0  | 968.0  | 1070.2 | 1250.4 | 1311.7 | 85°   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    | 0.0    | 66.9   | 48.3   | 132.8  | 189.5  | 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: P153253

NUMBER: VXM-F04-LED-E1-SLR-8030

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  | 974.5  |
| 963.4  | 964.3  | 962.4  | 962.4  | 963.4  | 963.4  | 961.5  |
| 961.5  | 961.5  | 959.6  | 957.8  | 955.9  | 955.9  | 954.1  |
| 982.9  | 982.9  | 976.4  | 973.6  | 968.9  | 965.2  | 963.4  |
| 1014.4 | 1008.9 | 1001.4 | 995.9  | 988.4  | 980.1  | 975.4  |
| 1046.0 | 1037.7 | 1028.4 | 1020.0 | 1010.7 | 1001.4 | 996.8  |
| 1098.1 | 1086.9 | 1074.8 | 1064.6 | 1051.6 | 1037.7 | 1032.1 |
| 1177.9 | 1160.3 | 1144.5 | 1129.6 | 1106.4 | 1096.2 | 1085.0 |
| 1283.9 | 1257.8 | 1237.4 | 1212.3 | 1183.5 | 1174.2 | 1160.3 |
| 1412.1 | 1389.8 | 1348.9 | 1330.3 | 1301.5 | 1287.6 | 1290.4 |
| 1607.1 | 1578.3 | 1531.0 | 1513.3 | 1510.5 | 1479.9 | 1465.0 |
| 1861.7 | 1863.5 | 1819.9 | 1772.5 | 1746.5 | 1698.2 | 1636.9 |
| 2224.0 | 2198.9 | 2147.8 | 2099.5 | 2038.2 | 1947.1 | 1845.0 |
| 2662.5 | 2606.7 | 2522.2 | 2432.1 | 2323.4 | 2183.1 | 2040.0 |
| 3090.7 | 2993.2 | 2858.5 | 2708.0 | 2551.0 | 2376.3 | 2173.8 |
| 3467.0 | 3315.5 | 3113.9 | 2941.2 | 2719.1 | 2500.8 | 2253.7 |
| 3810.7 | 3623.0 | 3362.9 | 3139.0 | 2877.1 | 2596.5 | 2303.9 |
| 4143.3 | 3905.4 | 3586.8 | 3283.9 | 2987.6 | 2660.6 | 2328.0 |
| 4460.0 | 4153.5 | 3775.4 | 3414.9 | 3068.4 | 2702.4 | 2331.7 |
| 4703.4 | 4369.0 | 3944.5 | 3509.7 | 3124.2 | 2734.0 | 2331.7 |
| 4929.2 | 4551.1 | 4073.6 | 3584.0 | 3176.2 | 2755.4 | 2333.6 |
| 5104.7 | 4679.3 | 4157.2 | 3637.0 | 3217.1 | 2771.1 | 2342.0 |
| 5232.0 | 4762.9 | 4212.9 | 3669.5 | 3246.8 | 2793.4 | 2360.5 |
| 5321.2 | 4817.7 | 4243.6 | 3698.3 | 3283.0 | 2832.5 | 2412.6 |
| 5363.9 | 4919.0 | 4294.7 | 3755.9 | 3345.3 | 2915.1 | 2516.6 |
| 5331.4 | 5076.0 | 4440.5 | 3853.4 | 3431.7 | 3044.3 | 2682.9 |
| 5317.5 | 5104.7 | 4480.5 | 3874.8 | 3451.2 | 3072.1 | 2740.5 |
| 5208.8 | 5133.5 | 4644.9 | 3982.5 | 3544.1 | 3195.7 | 2901.2 |
| 4871.6 | 5020.2 | 4783.3 | 4164.6 | 3743.8 | 3495.8 | 3201.3 |
| 4435.0 | 4852.1 | 4758.2 | 4187.8 | 3871.1 | 3741.9 | 3390.8 |
| 3911.9 | 4343.9 | 4256.6 | 3878.5 | 3730.8 | 3744.7 | 3341.5 |
| 3078.6 | 3402.9 | 3345.3 | 3212.4 | 3242.1 | 3344.3 | 2862.2 |
| 2466.4 | 2422.8 | 2289.9 | 2299.2 | 2471.1 | 2590.9 | 2060.5 |
| 2015.0 | 1631.3 | 1458.5 | 1463.1 | 1763.2 | 1887.7 | 1312.6 |
| 1917.4 | 1543.0 | 1256.9 | 1098.1 | 1282.9 | 1235.5 | 685.6  |
| 1365.6 | 1368.4 | 1135.2 | 922.5  | 893.7  | 759.9  | 427.3  |
| 323.3  | 259.2  | 184.9  | 137.5  | 144.9  | 95.7   | 48.3   |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)