

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: P153308

Luminaire Tested: **VXS-E04-LED-E1-SLR-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P153308  
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: VXS-E04-LED-E1-SLR-8030  
Description: VISION SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (84) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9393.5 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

Input Watts (W): 97.2  
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



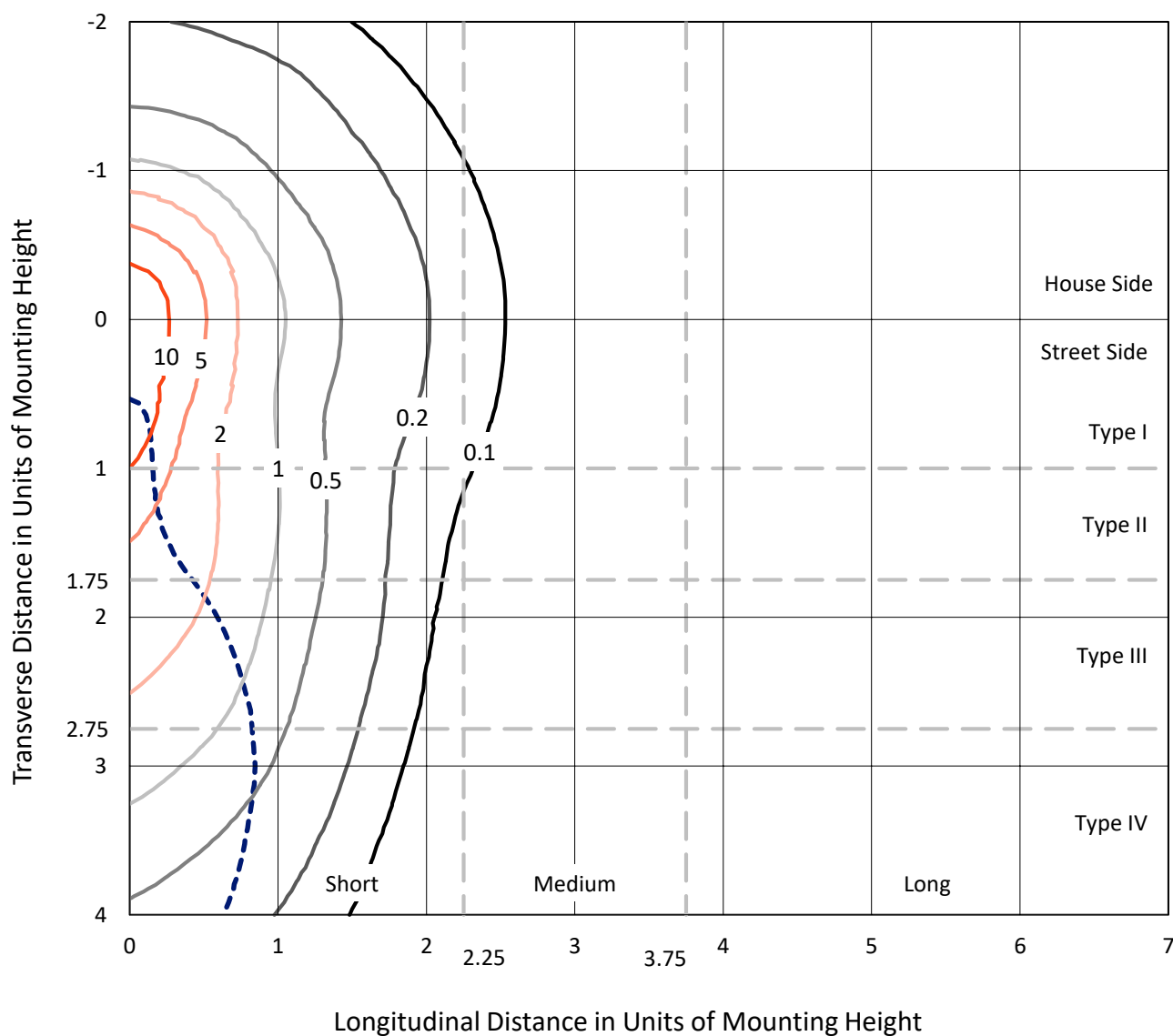
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

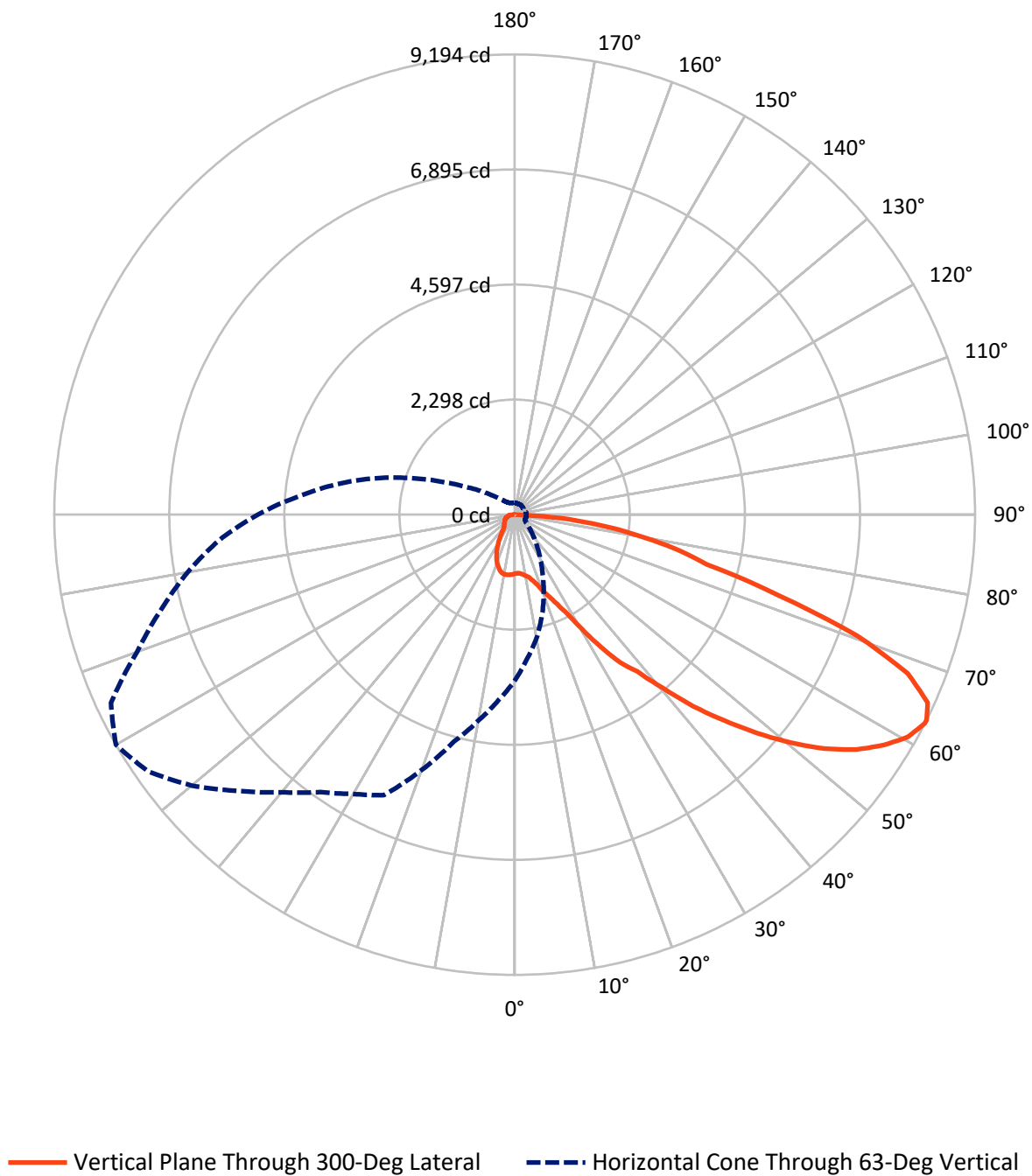


Based on 10 foot mounting height. Maximum calculated value = 14.8 fc  
Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2036.9   | 0.0    | 2036.9 |
|                    | % Fixture | 21.7     | 0.0    | 21.7   |
| <b>Street Side</b> | Lumens    | 7356.5   | 0.0    | 7356.5 |
|                    | % Fixture | 78.3     | 0.0    | 78.3   |
| <b>Total</b>       | Lumens    | 9393.5   | 0.0    | 9393.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 114.9  | 1.2       |
| 10°-20°   | 357.9  | 3.8       |
| 20°-30°   | 635.8  | 6.8       |
| 30°-40°   | 1001.2 | 10.7      |
| 40°-50°   | 1473.5 | 15.7      |
| 50°-60°   | 1957.2 | 20.8      |
| 60°-70°   | 2155.9 | 23.0      |
| 70°-80°   | 1352.6 | 14.4      |
| 80°-90°   | 344.5  | 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°    | 9393.5 | 100.0     |
| 0°-180°   | 9393.5 | 100.0     |

**Coefficient of Utilization**



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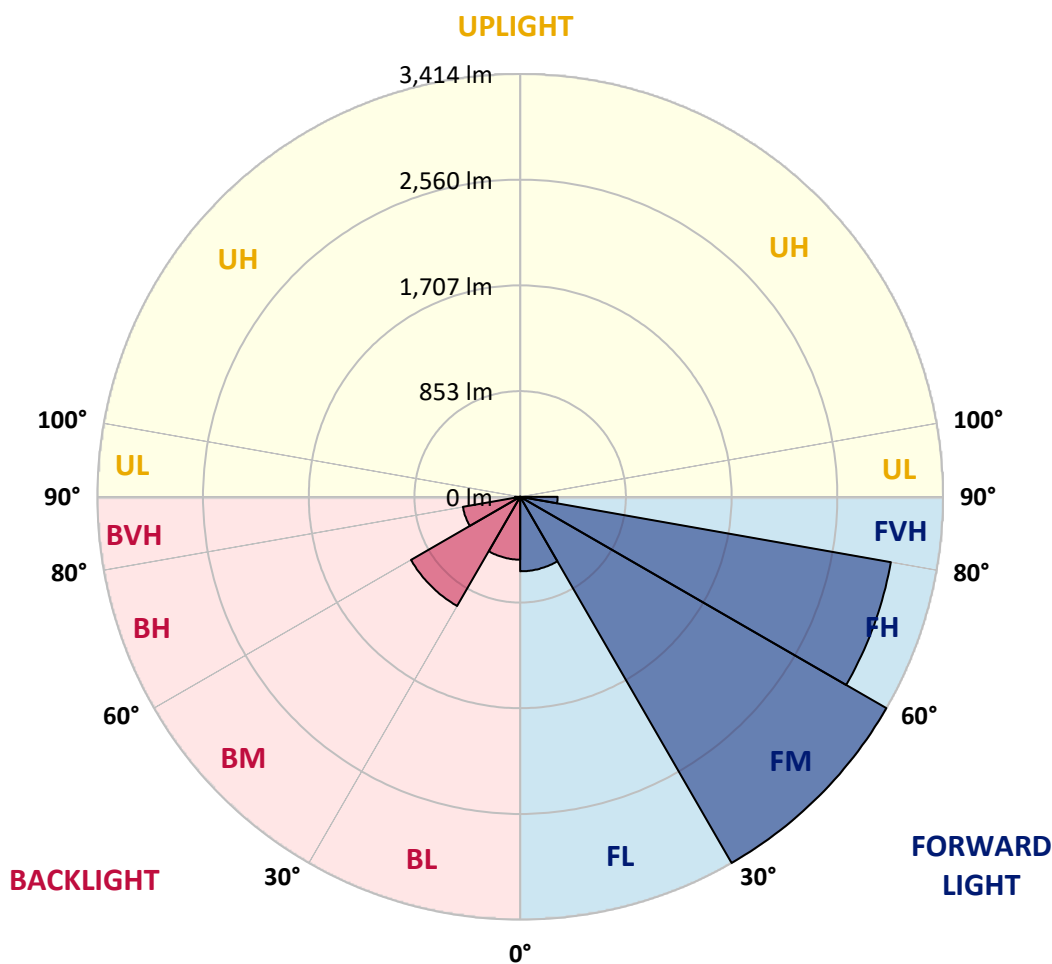
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 601.5  | 6.4       |                         |      |         |
| FM   | (30°-60°)   | 3413.8 | 36.3      |                         |      |         |
| FH   | (60°-80°)   | 3038.9 | 32.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 302.3  | 3.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 507.1  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1018.1 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 469.5  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 42.2   | 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°    | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 |
| 2.5°  | 1164.7 | 1168.1 | 1166.9 | 1166.9 | 1169.2 | 1168.1 | 1168.1 | 1169.2 | 1169.2 | 1172.5 | 1177.1 |
| 5°    | 1155.8 | 1154.6 | 1152.3 | 1154.6 | 1154.6 | 1154.6 | 1150.1 | 1153.5 | 1154.6 | 1156.8 | 1156.8 |
| 7.5°  | 1166.9 | 1163.6 | 1159.1 | 1160.2 | 1160.2 | 1157.9 | 1154.6 | 1155.8 | 1154.6 | 1154.6 | 1153.5 |
| 10°   | 1181.6 | 1173.7 | 1168.1 | 1168.1 | 1168.1 | 1165.8 | 1160.2 | 1163.6 | 1163.6 | 1162.5 | 1163.6 |
| 12.5° | 1207.5 | 1198.4 | 1191.7 | 1189.4 | 1189.4 | 1186.1 | 1181.6 | 1186.1 | 1183.8 | 1183.8 | 1181.6 |
| 15°   | 1250.3 | 1240.1 | 1232.2 | 1225.5 | 1226.6 | 1226.6 | 1220.9 | 1217.6 | 1213.1 | 1207.5 | 1196.2 |
| 17.5° | 1314.4 | 1303.1 | 1293.0 | 1287.4 | 1288.5 | 1280.6 | 1264.9 | 1249.1 | 1227.8 | 1206.3 | 1182.7 |
| 20°   | 1405.5 | 1402.2 | 1388.6 | 1383.0 | 1369.5 | 1350.4 | 1306.5 | 1269.3 | 1227.8 | 1187.3 | 1146.7 |
| 22.5° | 1563.1 | 1547.4 | 1533.8 | 1512.4 | 1467.5 | 1414.5 | 1341.3 | 1276.2 | 1210.9 | 1153.5 | 1099.5 |
| 25°   | 1774.6 | 1746.5 | 1680.1 | 1614.8 | 1522.6 | 1428.1 | 1329.0 | 1244.6 | 1163.6 | 1088.2 | 1021.8 |
| 27.5° | 1982.8 | 1897.3 | 1779.2 | 1660.9 | 1525.9 | 1402.2 | 1278.3 | 1178.2 | 1083.7 | 1001.6 | 928.4  |
| 30°   | 2234.9 | 2090.9 | 1909.6 | 1722.9 | 1531.6 | 1365.0 | 1216.5 | 1099.5 | 990.3  | 903.6  | 827.2  |
| 32.5° | 2471.2 | 2263.0 | 2025.6 | 1780.2 | 1543.9 | 1330.2 | 1145.6 | 1012.7 | 900.2  | 791.1  | 715.8  |
| 35°   | 2633.3 | 2363.2 | 2075.1 | 1785.9 | 1513.6 | 1263.7 | 1056.7 | 900.2  | 787.8  | 686.4  | 597.5  |
| 37.5° | 2730.1 | 2407.0 | 2077.3 | 1745.4 | 1442.7 | 1173.7 | 944.1  | 788.8  | 685.3  | 588.5  | 518.8  |
| 40°   | 2790.8 | 2417.2 | 2048.1 | 1686.8 | 1352.6 | 1060.1 | 831.6  | 692.1  | 597.5  | 519.9  | 465.9  |
| 42.5° | 2820.1 | 2401.5 | 2000.8 | 1612.5 | 1261.5 | 958.8  | 752.8  | 621.1  | 539.1  | 483.9  | 443.4  |
| 45°   | 2824.6 | 2373.3 | 1950.2 | 1545.1 | 1180.4 | 885.6  | 698.9  | 591.9  | 524.4  | 478.2  | 437.7  |
| 47.5° | 2824.6 | 2348.5 | 1909.6 | 1495.5 | 1127.6 | 854.1  | 694.3  | 604.2  | 537.9  | 486.1  | 437.7  |
| 50°   | 2826.8 | 2340.6 | 1892.7 | 1470.8 | 1109.5 | 871.0  | 732.5  | 642.6  | 567.2  | 499.7  | 436.6  |
| 52.5° | 2836.9 | 2350.8 | 1906.3 | 1489.9 | 1142.2 | 938.5  | 804.6  | 700.0  | 605.4  | 515.4  | 436.6  |
| 55°   | 2859.5 | 2384.6 | 1963.7 | 1556.3 | 1229.9 | 1040.9 | 891.3  | 761.9  | 635.9  | 522.2  | 429.8  |
| 57.5° | 2922.5 | 2470.1 | 2068.3 | 1684.6 | 1379.7 | 1159.1 | 970.1  | 805.7  | 647.0  | 516.5  | 416.4  |
| 60°   | 3048.5 | 2640.0 | 2247.3 | 1864.7 | 1538.3 | 1260.3 | 1016.2 | 812.4  | 636.9  | 498.5  | 395.0  |
| 62.5° | 3249.9 | 2834.7 | 2464.5 | 2060.4 | 1679.0 | 1316.6 | 1021.8 | 795.6  | 609.9  | 465.9  | 363.5  |
| 63°   | 3319.7 | 2883.1 | 2510.6 | 2097.6 | 1697.0 | 1321.1 | 1017.3 | 788.8  | 603.2  | 456.9  | 359.0  |
| 65°   | 3514.4 | 3086.7 | 2670.4 | 2228.2 | 1747.7 | 1322.3 | 992.5  | 755.1  | 571.7  | 422.0  | 327.5  |
| 67.5° | 3877.8 | 3354.6 | 2871.8 | 2330.6 | 1765.6 | 1286.2 | 929.5  | 692.1  | 505.3  | 368.0  | 288.1  |
| 70°   | 4107.5 | 3504.2 | 2949.4 | 2332.7 | 1712.7 | 1183.8 | 820.3  | 589.6  | 420.8  | 305.0  | 247.6  |
| 72.5° | 4047.8 | 3356.8 | 2744.7 | 2122.4 | 1484.2 | 989.1  | 659.5  | 463.6  | 328.6  | 244.1  | 205.9  |
| 75°   | 3467.2 | 2794.2 | 2239.4 | 1644.1 | 1122.0 | 726.9  | 482.8  | 330.9  | 243.1  | 191.3  | 172.1  |
| 77.5° | 2496.0 | 2011.0 | 1605.8 | 1171.5 | 756.2  | 470.4  | 320.7  | 236.3  | 184.6  | 157.5  | 141.8  |
| 80°   | 1590.1 | 1179.4 | 982.4  | 704.5  | 442.3  | 291.5  | 220.5  | 179.0  | 151.9  | 131.7  | 121.6  |
| 82.5° | 830.5  | 581.8  | 472.6  | 360.1  | 245.3  | 192.4  | 162.1  | 146.3  | 124.9  | 109.1  | 103.5  |
| 85°   | 517.6  | 343.2  | 254.3  | 177.8  | 122.7  | 110.3  | 101.2  | 99.1   | 88.9   | 78.8   | 75.4   |
| 87.5° | 58.5   | 52.8   | 55.1   | 34.9   | 25.9   | 28.1   | 27.0   | 36.0   | 34.9   | 25.9   | 27.0   |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 |
| 2.5°  | 1172.5 | 1174.8 | 1174.8 | 1178.2 | 1178.2 | 1180.4 | 1182.7 | 1182.7 | 1185.0 | 1186.1 | 1188.3 |
| 5°    | 1159.1 | 1159.1 | 1159.1 | 1163.6 | 1164.7 | 1171.5 | 1173.7 | 1176.0 | 1178.2 | 1186.1 | 1190.6 |
| 7.5°  | 1155.8 | 1151.2 | 1153.5 | 1153.5 | 1156.8 | 1162.5 | 1168.1 | 1171.5 | 1174.8 | 1185.0 | 1191.7 |
| 10°   | 1162.5 | 1159.1 | 1155.8 | 1155.8 | 1156.8 | 1159.1 | 1163.6 | 1166.9 | 1169.2 | 1179.4 | 1185.0 |
| 12.5° | 1180.4 | 1172.5 | 1165.8 | 1160.2 | 1155.8 | 1154.6 | 1152.3 | 1153.5 | 1155.8 | 1161.3 | 1169.2 |
| 15°   | 1183.8 | 1169.2 | 1154.6 | 1140.0 | 1128.7 | 1122.0 | 1116.3 | 1114.1 | 1114.1 | 1117.4 | 1126.4 |
| 17.5° | 1161.3 | 1136.6 | 1115.2 | 1096.1 | 1083.7 | 1071.3 | 1065.7 | 1061.1 | 1059.0 | 1063.4 | 1064.6 |
| 20°   | 1113.0 | 1083.7 | 1054.4 | 1031.9 | 1009.4 | 1006.0 | 997.0  | 999.3  | 1001.6 | 1008.3 | 1011.7 |
| 22.5° | 1046.5 | 1011.7 | 975.6  | 952.0  | 934.0  | 918.2  | 908.1  | 912.6  | 916.1  | 922.8  | 926.1  |
| 25°   | 965.5  | 914.9  | 876.6  | 853.0  | 833.9  | 820.3  | 809.1  | 813.6  | 809.1  | 817.0  | 829.3  |
| 27.5° | 869.8  | 810.3  | 769.7  | 742.7  | 729.2  | 717.9  | 706.7  | 706.7  | 717.9  | 717.9  | 728.1  |
| 30°   | 754.0  | 710.1  | 657.2  | 629.0  | 612.1  | 605.4  | 604.2  | 602.1  | 609.9  | 614.4  | 625.7  |
| 32.5° | 644.8  | 590.8  | 540.1  | 513.2  | 498.5  | 490.7  | 491.8  | 492.8  | 496.3  | 503.0  | 521.0  |
| 35°   | 534.5  | 487.3  | 451.3  | 420.8  | 406.2  | 391.6  | 391.6  | 389.3  | 392.7  | 400.6  | 422.0  |
| 37.5° | 463.6  | 422.0  | 393.9  | 370.3  | 355.6  | 346.6  | 338.8  | 335.3  | 335.3  | 338.8  | 346.6  |
| 40°   | 424.2  | 393.9  | 368.0  | 347.8  | 334.2  | 326.3  | 321.9  | 318.4  | 316.2  | 316.2  | 317.3  |
| 42.5° | 406.2  | 374.7  | 348.8  | 330.9  | 320.7  | 316.2  | 315.1  | 314.0  | 310.6  | 309.4  | 308.3  |
| 45°   | 397.2  | 361.2  | 332.0  | 317.3  | 309.4  | 307.3  | 308.3  | 308.3  | 307.3  | 305.0  | 300.4  |
| 47.5° | 390.5  | 348.8  | 319.6  | 306.1  | 302.7  | 302.7  | 302.7  | 302.7  | 301.6  | 300.4  | 297.1  |
| 50°   | 379.3  | 329.7  | 298.2  | 288.1  | 285.8  | 285.8  | 286.9  | 286.9  | 289.2  | 286.9  | 284.7  |
| 52.5° | 366.8  | 311.7  | 280.2  | 271.2  | 270.1  | 268.9  | 268.9  | 268.9  | 270.1  | 270.1  | 268.9  |
| 55°   | 353.4  | 298.2  | 271.2  | 264.5  | 265.6  | 264.5  | 263.3  | 262.2  | 262.2  | 261.0  | 258.9  |
| 57.5° | 339.9  | 286.9  | 264.5  | 260.0  | 261.0  | 261.0  | 258.9  | 256.6  | 255.4  | 252.0  | 249.8  |
| 60°   | 319.6  | 271.2  | 251.0  | 248.7  | 252.0  | 252.0  | 252.0  | 251.0  | 251.0  | 249.8  | 244.1  |
| 62.5° | 292.5  | 248.7  | 233.0  | 234.1  | 235.2  | 237.4  | 237.4  | 237.4  | 237.4  | 235.2  | 229.5  |
| 63°   | 286.9  | 244.1  | 229.5  | 229.5  | 233.0  | 233.0  | 234.1  | 233.0  | 234.1  | 231.8  | 225.1  |
| 65°   | 264.5  | 229.5  | 218.3  | 219.5  | 221.7  | 221.7  | 221.7  | 220.5  | 220.5  | 217.2  | 213.8  |
| 67.5° | 238.5  | 211.6  | 204.8  | 205.9  | 207.0  | 209.3  | 208.2  | 208.2  | 209.3  | 207.0  | 203.7  |
| 70°   | 209.3  | 192.4  | 188.0  | 189.0  | 190.2  | 190.2  | 189.0  | 189.0  | 190.2  | 188.0  | 184.6  |
| 72.5° | 186.8  | 180.0  | 176.7  | 176.7  | 174.4  | 174.4  | 172.1  | 171.1  | 169.9  | 169.9  | 166.5  |
| 75°   | 157.5  | 156.4  | 157.5  | 159.8  | 157.5  | 155.3  | 154.2  | 150.8  | 148.5  | 148.5  | 147.5  |
| 77.5° | 135.0  | 135.0  | 137.3  | 140.6  | 141.8  | 141.8  | 138.4  | 132.7  | 131.7  | 131.7  | 131.7  |
| 80°   | 117.0  | 114.8  | 114.8  | 118.1  | 121.6  | 120.4  | 114.8  | 109.1  | 109.1  | 114.8  | 116.0  |
| 82.5° | 102.4  | 102.4  | 99.1   | 100.1  | 99.1   | 97.9   | 92.2   | 88.9   | 87.8   | 92.2   | 96.8   |
| 85°   | 81.0   | 82.2   | 81.0   | 79.9   | 78.8   | 75.4   | 70.9   | 67.6   | 66.4   | 70.9   | 77.6   |
| 87.5° | 32.6   | 31.5   | 30.4   | 31.5   | 30.4   | 32.6   | 31.5   | 29.2   | 28.1   | 31.5   | 38.2   |
| 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):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 |
| 2.5°  | 1189.4 | 1191.7 | 1194.0 | 1194.0 | 1196.2 | 1195.1 | 1196.2 | 1197.3 | 1197.3 | 1198.4 | 1198.4 |
| 5°    | 1196.2 | 1199.6 | 1204.1 | 1208.6 | 1209.7 | 1213.1 | 1216.5 | 1214.2 | 1217.6 | 1222.1 | 1222.1 |
| 7.5°  | 1198.4 | 1206.3 | 1209.7 | 1216.5 | 1217.6 | 1222.1 | 1229.9 | 1224.4 | 1231.1 | 1234.5 | 1235.6 |
| 10°   | 1195.1 | 1203.0 | 1208.6 | 1216.5 | 1219.9 | 1227.8 | 1235.6 | 1233.4 | 1241.2 | 1246.8 | 1248.0 |
| 12.5° | 1174.8 | 1182.7 | 1195.1 | 1206.3 | 1215.3 | 1227.8 | 1242.4 | 1237.8 | 1249.1 | 1255.9 | 1259.3 |
| 15°   | 1135.4 | 1143.3 | 1156.8 | 1174.8 | 1191.7 | 1210.9 | 1229.9 | 1233.4 | 1244.6 | 1252.4 | 1255.9 |
| 17.5° | 1073.6 | 1083.7 | 1098.3 | 1117.4 | 1138.9 | 1171.5 | 1196.2 | 1208.6 | 1224.4 | 1228.8 | 1234.5 |
| 20°   | 1016.2 | 1026.3 | 1035.3 | 1046.5 | 1062.3 | 1093.8 | 1126.4 | 1151.2 | 1171.5 | 1188.3 | 1192.8 |
| 22.5° | 939.7  | 948.6  | 959.9  | 968.9  | 980.1  | 1002.7 | 1029.6 | 1057.8 | 1089.3 | 1099.5 | 1110.7 |
| 25°   | 847.4  | 853.0  | 868.7  | 874.4  | 882.3  | 901.3  | 922.8  | 943.0  | 973.4  | 994.8  | 1000.4 |
| 27.5° | 748.3  | 754.0  | 768.6  | 772.0  | 782.1  | 800.1  | 815.9  | 823.7  | 851.9  | 874.4  | 892.3  |
| 30°   | 633.6  | 648.2  | 666.2  | 668.4  | 679.7  | 691.0  | 705.6  | 713.5  | 739.4  | 763.0  | 785.5  |
| 32.5° | 534.5  | 549.1  | 563.8  | 572.7  | 578.4  | 587.5  | 602.1  | 609.9  | 634.7  | 656.1  | 678.5  |
| 35°   | 433.3  | 451.3  | 467.0  | 479.4  | 483.9  | 495.1  | 506.4  | 514.3  | 540.1  | 559.3  | 575.0  |
| 37.5° | 356.7  | 370.3  | 387.2  | 399.5  | 411.9  | 419.8  | 433.3  | 444.5  | 460.2  | 470.4  | 487.3  |
| 40°   | 319.6  | 326.3  | 335.3  | 345.5  | 355.6  | 364.6  | 374.7  | 383.7  | 393.9  | 407.4  | 418.7  |
| 42.5° | 307.3  | 308.3  | 308.3  | 311.7  | 317.3  | 321.9  | 330.9  | 337.6  | 344.4  | 354.5  | 360.1  |
| 45°   | 298.2  | 297.1  | 294.8  | 292.5  | 293.7  | 296.0  | 301.6  | 306.1  | 314.0  | 318.4  | 319.6  |
| 47.5° | 293.7  | 289.2  | 284.7  | 281.3  | 280.2  | 281.3  | 285.8  | 290.4  | 294.8  | 298.2  | 299.4  |
| 50°   | 279.1  | 275.8  | 268.9  | 264.5  | 262.2  | 264.5  | 270.1  | 272.3  | 276.8  | 280.2  | 281.3  |
| 52.5° | 264.5  | 260.0  | 255.4  | 251.0  | 251.0  | 252.0  | 256.6  | 261.0  | 265.6  | 266.7  | 268.9  |
| 55°   | 255.4  | 248.7  | 244.1  | 240.8  | 238.5  | 242.0  | 245.3  | 251.0  | 256.6  | 257.7  | 260.0  |
| 57.5° | 246.4  | 239.7  | 235.2  | 231.8  | 229.5  | 233.0  | 236.3  | 244.1  | 251.0  | 251.0  | 251.0  |
| 60°   | 240.8  | 235.2  | 228.4  | 225.1  | 221.7  | 225.1  | 229.5  | 237.4  | 244.1  | 243.1  | 242.0  |
| 62.5° | 225.1  | 219.5  | 216.1  | 216.1  | 212.6  | 218.3  | 222.8  | 231.8  | 233.0  | 230.7  | 228.4  |
| 63°   | 220.5  | 216.1  | 213.8  | 213.8  | 211.6  | 217.2  | 221.7  | 229.5  | 229.5  | 227.4  | 225.1  |
| 65°   | 209.3  | 205.9  | 203.7  | 205.9  | 205.9  | 211.6  | 212.6  | 218.3  | 217.2  | 213.8  | 212.6  |
| 67.5° | 200.3  | 198.0  | 195.9  | 195.9  | 195.9  | 196.9  | 198.0  | 200.3  | 199.2  | 198.0  | 199.2  |
| 70°   | 185.7  | 184.6  | 182.3  | 182.3  | 181.1  | 181.1  | 181.1  | 182.3  | 182.3  | 183.4  | 184.6  |
| 72.5° | 167.7  | 165.4  | 165.4  | 166.5  | 164.2  | 165.4  | 166.5  | 165.4  | 167.7  | 167.7  | 168.8  |
| 75°   | 147.5  | 146.3  | 148.5  | 150.8  | 149.6  | 149.6  | 150.8  | 150.8  | 151.9  | 151.9  | 153.1  |
| 77.5° | 131.7  | 132.7  | 133.9  | 136.2  | 137.3  | 137.3  | 137.3  | 136.2  | 137.3  | 137.3  | 138.4  |
| 80°   | 117.0  | 119.3  | 121.6  | 123.8  | 124.9  | 124.9  | 124.9  | 123.8  | 123.8  | 123.8  | 123.8  |
| 82.5° | 105.8  | 109.1  | 111.4  | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  | 112.5  | 110.3  | 108.0  |
| 85°   | 88.9   | 95.6   | 95.6   | 96.8   | 93.4   | 91.2   | 88.9   | 90.1   | 91.2   | 86.6   | 85.5   |
| 87.5° | 45.0   | 45.0   | 47.3   | 49.5   | 50.7   | 50.7   | 57.4   | 54.0   | 52.8   | 51.8   | 49.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 |
| 2.5°  | 1199.6 | 1198.4 | 1200.7 | 1198.4 | 1199.6 | 1200.7 | 1198.4 | 1201.9 | 1204.1 | 1200.7 | 1197.3 |
| 5°    | 1224.4 | 1224.4 | 1229.9 | 1232.2 | 1233.4 | 1240.1 | 1236.7 | 1239.0 | 1241.2 | 1240.1 | 1241.2 |
| 7.5°  | 1240.1 | 1244.6 | 1250.3 | 1255.9 | 1257.0 | 1262.6 | 1261.5 | 1264.9 | 1267.2 | 1272.7 | 1272.7 |
| 10°   | 1253.6 | 1259.3 | 1267.2 | 1272.7 | 1278.3 | 1282.9 | 1285.1 | 1291.9 | 1293.0 | 1297.5 | 1297.5 |
| 12.5° | 1266.0 | 1272.7 | 1280.6 | 1289.6 | 1295.2 | 1304.2 | 1305.4 | 1315.5 | 1318.9 | 1320.0 | 1316.6 |
| 15°   | 1263.7 | 1271.6 | 1280.6 | 1290.8 | 1300.8 | 1312.1 | 1318.9 | 1329.0 | 1334.6 | 1336.9 | 1331.3 |
| 17.5° | 1242.4 | 1249.1 | 1260.3 | 1273.9 | 1286.2 | 1300.8 | 1313.3 | 1327.9 | 1336.9 | 1339.2 | 1338.0 |
| 20°   | 1200.7 | 1205.2 | 1219.9 | 1237.8 | 1252.4 | 1275.0 | 1293.0 | 1315.5 | 1330.2 | 1341.3 | 1344.8 |
| 22.5° | 1118.5 | 1129.8 | 1144.5 | 1164.7 | 1186.1 | 1214.2 | 1240.1 | 1272.7 | 1304.2 | 1331.3 | 1358.2 |
| 25°   | 1019.6 | 1039.8 | 1062.3 | 1089.3 | 1115.2 | 1144.5 | 1173.7 | 1210.9 | 1257.0 | 1313.3 | 1377.4 |
| 27.5° | 919.4  | 954.3  | 982.4  | 1017.3 | 1047.7 | 1076.9 | 1109.5 | 1150.1 | 1200.7 | 1268.2 | 1350.4 |
| 30°   | 818.1  | 857.5  | 887.9  | 928.4  | 968.9  | 1008.3 | 1040.9 | 1083.7 | 1133.2 | 1201.9 | 1291.9 |
| 32.5° | 710.1  | 749.4  | 785.5  | 822.6  | 867.7  | 914.9  | 954.3  | 1007.2 | 1060.1 | 1131.0 | 1222.1 |
| 35°   | 598.7  | 633.6  | 663.9  | 703.3  | 752.8  | 803.5  | 855.2  | 916.1  | 973.4  | 1047.7 | 1144.5 |
| 37.5° | 501.9  | 526.6  | 556.0  | 590.8  | 629.0  | 683.1  | 741.6  | 813.6  | 878.9  | 959.9  | 1059.0 |
| 40°   | 422.0  | 435.5  | 452.3  | 481.7  | 516.5  | 569.4  | 626.8  | 703.3  | 782.1  | 871.0  | 966.6  |
| 42.5° | 360.1  | 366.8  | 371.4  | 390.5  | 418.7  | 470.4  | 525.5  | 599.8  | 686.4  | 783.2  | 880.0  |
| 45°   | 319.6  | 323.0  | 324.0  | 334.2  | 354.5  | 399.5  | 456.9  | 519.9  | 603.2  | 697.7  | 799.0  |
| 47.5° | 300.4  | 303.8  | 306.1  | 308.3  | 320.7  | 355.6  | 407.4  | 467.0  | 543.5  | 630.2  | 733.7  |
| 50°   | 284.7  | 288.1  | 291.5  | 290.4  | 296.0  | 318.4  | 362.4  | 417.5  | 489.5  | 569.4  | 671.8  |
| 52.5° | 268.9  | 271.2  | 271.2  | 271.2  | 274.6  | 289.2  | 320.7  | 371.4  | 437.7  | 513.2  | 614.4  |
| 55°   | 260.0  | 262.2  | 263.3  | 264.5  | 265.6  | 273.5  | 297.1  | 337.6  | 395.0  | 464.8  | 556.0  |
| 57.5° | 251.0  | 252.0  | 254.3  | 255.4  | 257.7  | 262.2  | 276.8  | 306.1  | 354.5  | 413.0  | 489.5  |
| 60°   | 243.1  | 245.3  | 249.8  | 251.0  | 253.2  | 254.3  | 261.0  | 279.1  | 310.6  | 355.6  | 417.5  |
| 62.5° | 230.7  | 234.1  | 238.5  | 239.7  | 242.0  | 243.1  | 244.1  | 254.3  | 268.9  | 296.0  | 342.1  |
| 63°   | 227.4  | 230.7  | 236.3  | 237.4  | 238.5  | 238.5  | 239.7  | 246.4  | 260.0  | 283.6  | 317.3  |
| 65°   | 214.9  | 219.5  | 222.8  | 223.9  | 225.1  | 225.1  | 223.9  | 226.2  | 227.4  | 237.4  | 257.7  |
| 67.5° | 201.5  | 204.8  | 207.0  | 208.2  | 207.0  | 208.2  | 207.0  | 204.8  | 202.6  | 204.8  | 213.8  |
| 70°   | 188.0  | 190.2  | 190.2  | 191.3  | 192.4  | 193.6  | 191.3  | 189.0  | 186.8  | 185.7  | 191.3  |
| 72.5° | 172.1  | 174.4  | 174.4  | 175.5  | 175.5  | 177.8  | 177.8  | 176.7  | 176.7  | 177.8  | 179.0  |
| 75°   | 156.4  | 158.7  | 157.5  | 159.8  | 159.8  | 163.2  | 163.2  | 164.2  | 166.5  | 165.4  | 164.2  |
| 77.5° | 141.8  | 142.9  | 142.9  | 144.0  | 145.2  | 150.8  | 154.2  | 155.3  | 155.3  | 153.1  | 150.8  |
| 80°   | 126.0  | 126.0  | 123.8  | 122.7  | 123.8  | 129.4  | 136.2  | 137.3  | 140.6  | 139.6  | 140.6  |
| 82.5° | 105.8  | 101.2  | 97.9   | 97.9   | 100.1  | 103.5  | 105.8  | 108.0  | 110.3  | 110.3  | 112.5  |
| 85°   | 81.0   | 76.5   | 73.2   | 74.3   | 77.6   | 78.8   | 77.6   | 77.6   | 82.2   | 85.5   | 82.2   |
| 87.5° | 48.4   | 43.9   | 41.7   | 38.2   | 39.4   | 42.8   | 41.7   | 38.2   | 39.4   | 31.5   | 29.2   |
| 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°    | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 |
| 2.5°  | 1199.6 | 1198.4 | 1196.2 | 1192.8 | 1191.7 | 1189.4 | 1190.6 | 1187.3 | 1185.0 | 1182.7 | 1179.4 |
| 5°    | 1241.2 | 1241.2 | 1234.5 | 1234.5 | 1231.1 | 1229.9 | 1222.1 | 1218.8 | 1212.0 | 1214.2 | 1206.3 |
| 7.5°  | 1270.5 | 1273.9 | 1266.0 | 1264.9 | 1260.3 | 1259.3 | 1249.1 | 1245.7 | 1240.1 | 1237.8 | 1231.1 |
| 10°   | 1291.9 | 1291.9 | 1281.8 | 1273.9 | 1268.2 | 1262.6 | 1252.4 | 1248.0 | 1243.5 | 1244.6 | 1240.1 |
| 12.5° | 1308.7 | 1300.8 | 1286.2 | 1275.0 | 1267.2 | 1261.5 | 1253.6 | 1250.3 | 1249.1 | 1257.0 | 1258.1 |
| 15°   | 1322.3 | 1311.0 | 1293.0 | 1285.1 | 1278.3 | 1277.2 | 1277.2 | 1280.6 | 1288.5 | 1303.1 | 1314.4 |
| 17.5° | 1330.2 | 1323.4 | 1314.4 | 1312.1 | 1323.4 | 1330.2 | 1339.2 | 1349.2 | 1360.5 | 1380.7 | 1393.2 |
| 20°   | 1344.8 | 1349.2 | 1356.1 | 1365.0 | 1383.0 | 1399.9 | 1411.2 | 1425.8 | 1439.3 | 1464.0 | 1484.2 |
| 22.5° | 1383.0 | 1408.9 | 1430.3 | 1448.3 | 1475.3 | 1499.0 | 1513.6 | 1533.8 | 1543.9 | 1560.8 | 1592.3 |
| 25°   | 1432.5 | 1485.4 | 1530.5 | 1568.7 | 1610.4 | 1635.1 | 1655.3 | 1681.2 | 1697.0 | 1725.1 | 1753.3 |
| 27.5° | 1417.9 | 1493.3 | 1560.8 | 1631.7 | 1689.1 | 1753.3 | 1798.2 | 1841.0 | 1868.1 | 1909.6 | 1946.8 |
| 30°   | 1372.8 | 1462.9 | 1554.1 | 1647.5 | 1738.7 | 1830.9 | 1916.4 | 1994.1 | 2053.7 | 2113.4 | 2174.1 |
| 32.5° | 1312.1 | 1415.6 | 1527.0 | 1641.9 | 1761.1 | 1889.4 | 2007.6 | 2124.6 | 2223.6 | 2310.3 | 2394.7 |
| 35°   | 1242.4 | 1359.4 | 1475.3 | 1617.1 | 1764.5 | 1927.7 | 2092.0 | 2254.0 | 2404.8 | 2557.8 | 2661.3 |
| 37.5° | 1159.1 | 1278.3 | 1407.8 | 1571.0 | 1744.2 | 1945.7 | 2155.0 | 2366.5 | 2580.3 | 2786.3 | 2965.2 |
| 40°   | 1070.2 | 1191.7 | 1327.9 | 1504.6 | 1700.3 | 1934.4 | 2195.5 | 2480.2 | 2773.9 | 3072.1 | 3309.5 |
| 42.5° | 991.4  | 1116.3 | 1264.9 | 1443.8 | 1656.5 | 1919.8 | 2228.2 | 2578.1 | 2937.1 | 3306.2 | 3655.0 |
| 45°   | 914.9  | 1052.1 | 1208.6 | 1401.0 | 1637.3 | 1931.1 | 2276.5 | 2669.2 | 3083.4 | 3531.3 | 3956.6 |
| 47.5° | 846.2  | 985.8  | 1137.7 | 1348.2 | 1609.2 | 1936.7 | 2323.8 | 2760.4 | 3221.8 | 3706.8 | 4212.1 |
| 50°   | 784.4  | 919.4  | 1069.0 | 1280.6 | 1565.3 | 1933.3 | 2366.5 | 2842.6 | 3341.0 | 3845.2 | 4409.0 |
| 52.5° | 723.6  | 860.8  | 1013.9 | 1215.3 | 1511.3 | 1914.2 | 2386.8 | 2910.1 | 3451.4 | 3984.8 | 4567.7 |
| 55°   | 663.9  | 799.0  | 953.2  | 1153.5 | 1440.4 | 1864.7 | 2384.6 | 2954.0 | 3539.2 | 4116.5 | 4720.7 |
| 57.5° | 594.2  | 722.5  | 873.3  | 1084.8 | 1365.0 | 1788.2 | 2350.8 | 2974.2 | 3614.5 | 4246.9 | 4904.1 |
| 60°   | 507.6  | 628.0  | 773.1  | 984.7  | 1266.0 | 1690.3 | 2279.9 | 2963.0 | 3658.4 | 4343.7 | 5060.5 |
| 62.5° | 400.6  | 505.3  | 638.0  | 845.1  | 1142.2 | 1549.5 | 2147.2 | 2860.5 | 3588.6 | 4330.3 | 5133.7 |
| 63°   | 378.1  | 477.1  | 606.5  | 811.4  | 1089.3 | 1511.3 | 2107.8 | 2820.1 | 3554.9 | 4302.1 | 5123.6 |
| 65°   | 303.8  | 368.0  | 471.5  | 654.9  | 911.5  | 1323.4 | 1911.9 | 2611.9 | 3373.7 | 4104.0 | 4977.3 |
| 67.5° | 233.0  | 265.6  | 320.7  | 449.0  | 644.8  | 1040.9 | 1548.4 | 2213.5 | 2928.1 | 3614.5 | 4505.8 |
| 70°   | 199.2  | 213.8  | 237.4  | 298.2  | 409.6  | 657.2  | 1087.0 | 1650.9 | 2269.7 | 2865.1 | 3666.3 |
| 72.5° | 181.1  | 188.0  | 200.3  | 226.2  | 281.3  | 393.9  | 693.2  | 1074.7 | 1543.9 | 2042.5 | 2661.3 |
| 75°   | 166.5  | 172.1  | 182.3  | 195.9  | 216.1  | 262.2  | 395.0  | 657.2  | 1003.8 | 1341.3 | 1796.1 |
| 77.5° | 151.9  | 155.3  | 166.5  | 179.0  | 192.4  | 216.1  | 261.0  | 378.1  | 577.3  | 791.1  | 1082.6 |
| 80°   | 139.6  | 137.3  | 145.2  | 165.4  | 179.0  | 192.4  | 205.9  | 245.3  | 328.6  | 433.3  | 585.2  |
| 82.5° | 111.4  | 113.7  | 120.4  | 140.6  | 146.3  | 142.9  | 145.2  | 151.9  | 183.4  | 200.3  | 299.4  |
| 85°   | 75.4   | 69.7   | 68.6   | 70.9   | 70.9   | 67.6   | 67.6   | 66.4   | 73.2   | 83.3   | 142.9  |
| 87.5° | 20.2   | 10.2   | 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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CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |       |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 0°    |
| 2.5°  | 1177.1 | 1176.0 | 1177.1 | 1171.5 | 1171.5 | 1170.4 | 1169.2 | 1166.9 | 1166.9 | 1162.5 | 1165.8 | 2.5°  |
| 5°    | 1199.6 | 1197.3 | 1192.8 | 1186.1 | 1182.7 | 1178.2 | 1178.2 | 1173.7 | 1170.4 | 1165.8 | 1166.9 | 5°    |
| 7.5°  | 1225.5 | 1226.6 | 1218.8 | 1213.1 | 1210.9 | 1206.3 | 1207.5 | 1200.7 | 1201.9 | 1198.4 | 1196.2 | 7.5°  |
| 10°   | 1240.1 | 1240.1 | 1242.4 | 1241.2 | 1243.5 | 1243.5 | 1246.8 | 1242.4 | 1240.1 | 1236.7 | 1236.7 | 10°   |
| 12.5° | 1263.7 | 1268.2 | 1277.2 | 1277.2 | 1284.0 | 1286.2 | 1287.4 | 1289.6 | 1285.1 | 1282.9 | 1275.0 | 12.5° |
| 15°   | 1322.3 | 1333.5 | 1341.3 | 1352.6 | 1366.1 | 1370.7 | 1370.7 | 1366.1 | 1363.9 | 1360.5 | 1345.9 | 15°   |
| 17.5° | 1419.1 | 1443.8 | 1450.6 | 1468.5 | 1470.8 | 1476.4 | 1492.1 | 1483.2 | 1477.5 | 1453.9 | 1449.4 | 17.5° |
| 20°   | 1518.0 | 1549.5 | 1581.0 | 1603.6 | 1614.8 | 1637.3 | 1640.7 | 1636.2 | 1613.7 | 1591.2 | 1581.0 | 20°   |
| 22.5° | 1637.3 | 1684.6 | 1720.6 | 1755.5 | 1772.3 | 1783.6 | 1808.4 | 1802.8 | 1784.8 | 1751.0 | 1737.5 | 22.5° |
| 25°   | 1806.1 | 1864.7 | 1902.9 | 1945.7 | 1968.2 | 1979.5 | 2004.2 | 2004.2 | 1985.1 | 1974.9 | 1973.8 | 25°   |
| 27.5° | 2018.9 | 2090.9 | 2153.9 | 2168.5 | 2227.0 | 2240.5 | 2264.1 | 2264.1 | 2246.1 | 2233.8 | 2293.4 | 27.5° |
| 30°   | 2255.1 | 2330.6 | 2439.7 | 2512.8 | 2583.7 | 2653.5 | 2652.3 | 2656.9 | 2678.2 | 2689.5 | 2715.4 | 30°   |
| 32.5° | 2491.5 | 2584.9 | 2700.7 | 2859.5 | 3011.4 | 3140.7 | 3308.4 | 3415.3 | 3382.7 | 3291.6 | 3255.5 | 32.5° |
| 35°   | 2778.4 | 2882.0 | 3022.6 | 3182.4 | 3460.4 | 3628.1 | 3709.0 | 3766.4 | 3773.2 | 3785.6 | 3811.5 | 35°   |
| 37.5° | 3098.0 | 3271.3 | 3434.5 | 3615.6 | 3769.8 | 3973.5 | 4161.5 | 4312.2 | 4347.2 | 4418.0 | 4377.5 | 37.5° |
| 40°   | 3502.0 | 3695.5 | 3866.6 | 4100.6 | 4307.8 | 4553.1 | 4822.0 | 5029.0 | 5112.3 | 5085.3 | 4882.8 | 40°   |
| 42.5° | 3925.1 | 4164.8 | 4365.1 | 4640.8 | 4909.7 | 5233.9 | 5511.8 | 5801.0 | 5852.7 | 5644.6 | 5341.9 | 42.5° |
| 45°   | 4314.5 | 4611.6 | 4860.3 | 5147.3 | 5475.9 | 5864.0 | 6235.4 | 6532.5 | 6522.4 | 6165.6 | 5760.5 | 45°   |
| 47.5° | 4664.5 | 5029.0 | 5332.8 | 5706.5 | 6059.9 | 6522.4 | 6948.8 | 7168.3 | 7038.9 | 6616.9 | 6120.6 | 47.5° |
| 50°   | 4953.7 | 5408.3 | 5783.0 | 6161.1 | 6610.2 | 7167.2 | 7577.9 | 7701.7 | 7451.9 | 6992.7 | 6470.6 | 50°   |
| 52.5° | 5186.6 | 5757.1 | 6178.0 | 6613.5 | 7180.7 | 7766.9 | 8120.3 | 8074.2 | 7751.2 | 7279.7 | 6759.8 | 52.5° |
| 55°   | 5383.5 | 6023.8 | 6525.7 | 7040.0 | 7743.3 | 8283.5 | 8518.7 | 8394.9 | 7943.6 | 7465.4 | 6957.8 | 55°   |
| 57.5° | 5587.3 | 6282.7 | 6845.3 | 7441.8 | 8225.0 | 8688.6 | 8819.2 | 8564.9 | 8034.8 | 7536.3 | 7043.4 | 57.5° |
| 60°   | 5790.9 | 6498.8 | 7127.8 | 7792.8 | 8589.5 | 9019.5 | 8983.4 | 8603.1 | 8007.8 | 7484.6 | 6986.0 | 60°   |
| 62.5° | 5928.2 | 6627.0 | 7292.1 | 8008.9 | 8863.0 | 9188.3 | 8967.7 | 8466.9 | 7851.4 | 7280.8 | 6814.9 | 62.5° |
| 63°   | 5931.6 | 6631.5 | 7302.2 | 8023.5 | 8893.4 | 9193.9 | 8937.3 | 8418.5 | 7801.9 | 7239.2 | 6764.4 | 63°   |
| 65°   | 5860.6 | 6547.2 | 7212.2 | 7957.1 | 8867.6 | 9064.5 | 8675.1 | 8132.7 | 7519.4 | 6951.1 | 6500.9 | 65°   |
| 67.5° | 5498.3 | 6198.2 | 6785.7 | 7487.9 | 8403.9 | 8460.2 | 7972.8 | 7535.1 | 6983.7 | 6395.2 | 5924.8 | 67.5° |
| 70°   | 4768.0 | 5349.7 | 5925.9 | 6512.2 | 7280.8 | 7270.7 | 6812.7 | 6589.8 | 6107.2 | 5436.5 | 5059.5 | 70°   |
| 72.5° | 3792.3 | 4314.5 | 4719.6 | 5112.3 | 5618.8 | 5516.4 | 5221.5 | 5283.4 | 4970.6 | 4469.7 | 4245.8 | 72.5° |
| 75°   | 2815.5 | 3389.4 | 3587.6 | 3747.4 | 3961.1 | 3962.3 | 4043.3 | 4218.9 | 4214.3 | 3936.4 | 3653.9 | 75°   |
| 77.5° | 1846.6 | 2474.6 | 2540.9 | 2669.2 | 2925.8 | 3274.7 | 3634.8 | 4021.9 | 4118.7 | 3899.3 | 3481.8 | 77.5° |
| 80°   | 1029.6 | 1682.4 | 1605.8 | 1716.2 | 1993.0 | 2466.7 | 2997.8 | 3425.5 | 3677.5 | 3554.9 | 3112.6 | 80°   |
| 82.5° | 526.6  | 970.1  | 927.3  | 1080.3 | 1304.2 | 1716.2 | 2067.3 | 2395.9 | 2692.8 | 2676.1 | 2508.3 | 82.5° |
| 85°   | 273.5  | 531.2  | 604.2  | 684.1  | 796.7  | 944.1  | 1076.9 | 1172.5 | 1296.4 | 1514.7 | 1588.9 | 85°   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 0.0    | 81.0   | 58.5   | 160.9  | 229.5  | 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: P153308

NUMBER: VXS-E04-LED-E1-SLR-8030

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 | 1180.4 |
| 1166.9 | 1168.1 | 1165.8 | 1165.8 | 1166.9 | 1166.9 | 1164.7 |
| 1164.7 | 1164.7 | 1162.5 | 1160.2 | 1157.9 | 1157.9 | 1155.8 |
| 1190.6 | 1190.6 | 1182.7 | 1179.4 | 1173.7 | 1169.2 | 1166.9 |
| 1228.8 | 1222.1 | 1213.1 | 1206.3 | 1197.3 | 1187.3 | 1181.6 |
| 1267.2 | 1257.0 | 1245.7 | 1235.6 | 1224.4 | 1213.1 | 1207.5 |
| 1330.2 | 1316.6 | 1302.0 | 1289.6 | 1273.9 | 1257.0 | 1250.3 |
| 1426.9 | 1405.5 | 1386.4 | 1368.4 | 1340.2 | 1327.9 | 1314.4 |
| 1555.2 | 1523.7 | 1499.0 | 1468.5 | 1433.7 | 1422.4 | 1405.5 |
| 1710.5 | 1683.5 | 1634.0 | 1611.5 | 1576.6 | 1559.7 | 1563.1 |
| 1946.8 | 1911.9 | 1854.5 | 1833.2 | 1829.7 | 1792.6 | 1774.6 |
| 2255.1 | 2257.4 | 2204.5 | 2147.2 | 2115.6 | 2057.1 | 1982.8 |
| 2694.0 | 2663.6 | 2601.8 | 2543.2 | 2468.9 | 2358.7 | 2234.9 |
| 3225.2 | 3157.6 | 3055.2 | 2946.1 | 2814.4 | 2644.5 | 2471.2 |
| 3743.9 | 3625.8 | 3462.6 | 3280.3 | 3090.2 | 2878.5 | 2633.3 |
| 4199.7 | 4016.3 | 3772.1 | 3562.8 | 3293.8 | 3029.3 | 2730.1 |
| 4616.1 | 4388.7 | 4073.7 | 3802.5 | 3485.1 | 3145.3 | 2790.8 |
| 5019.0 | 4730.9 | 4344.9 | 3978.0 | 3619.1 | 3222.9 | 2820.1 |
| 5402.7 | 5031.3 | 4573.3 | 4136.7 | 3716.9 | 3273.6 | 2824.6 |
| 5697.5 | 5292.4 | 4778.1 | 4251.5 | 3784.5 | 3311.8 | 2824.6 |
| 5971.0 | 5513.0 | 4934.5 | 4341.5 | 3847.5 | 3337.7 | 2826.8 |
| 6183.6 | 5668.3 | 5035.9 | 4405.6 | 3897.0 | 3356.8 | 2836.9 |
| 6337.8 | 5769.5 | 5103.3 | 4445.0 | 3933.0 | 3383.8 | 2859.5 |
| 6445.8 | 5836.0 | 5140.5 | 4479.9 | 3976.9 | 3431.1 | 2922.5 |
| 6497.6 | 5958.5 | 5202.4 | 4549.6 | 4052.3 | 3531.3 | 3048.5 |
| 6458.2 | 6148.7 | 5379.1 | 4667.9 | 4156.9 | 3687.7 | 3249.9 |
| 6441.3 | 6183.6 | 5427.5 | 4693.7 | 4180.5 | 3721.5 | 3319.7 |
| 6309.6 | 6218.5 | 5626.6 | 4824.2 | 4293.1 | 3871.1 | 3514.4 |
| 5901.1 | 6081.2 | 5794.3 | 5044.8 | 4535.0 | 4234.6 | 3877.8 |
| 5372.3 | 5877.5 | 5763.9 | 5073.0 | 4689.2 | 4532.7 | 4107.5 |
| 4738.8 | 5262.0 | 5156.3 | 4698.2 | 4519.3 | 4536.2 | 4047.8 |
| 3729.3 | 4122.1 | 4052.3 | 3891.4 | 3927.4 | 4051.2 | 3467.2 |
| 2987.8 | 2934.8 | 2773.9 | 2785.2 | 2993.4 | 3138.5 | 2496.0 |
| 2440.8 | 1976.1 | 1766.7 | 1772.3 | 2135.9 | 2286.6 | 1590.1 |
| 2322.7 | 1869.1 | 1522.6 | 1330.2 | 1554.1 | 1496.7 | 830.5  |
| 1654.2 | 1657.6 | 1375.1 | 1117.4 | 1082.6 | 920.5  | 517.6  |
| 391.6  | 314.0  | 223.9  | 166.5  | 175.5  | 116.0  | 58.5   |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)