

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: P149312

Luminaire Tested: **VXS-E03-LED-E1-SL2-HSS-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P149312  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-E03-LED-E1-SL2-HSS-7060  
Description: VISION SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (63) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5644.3 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

Input Watts (W): 75.2  
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



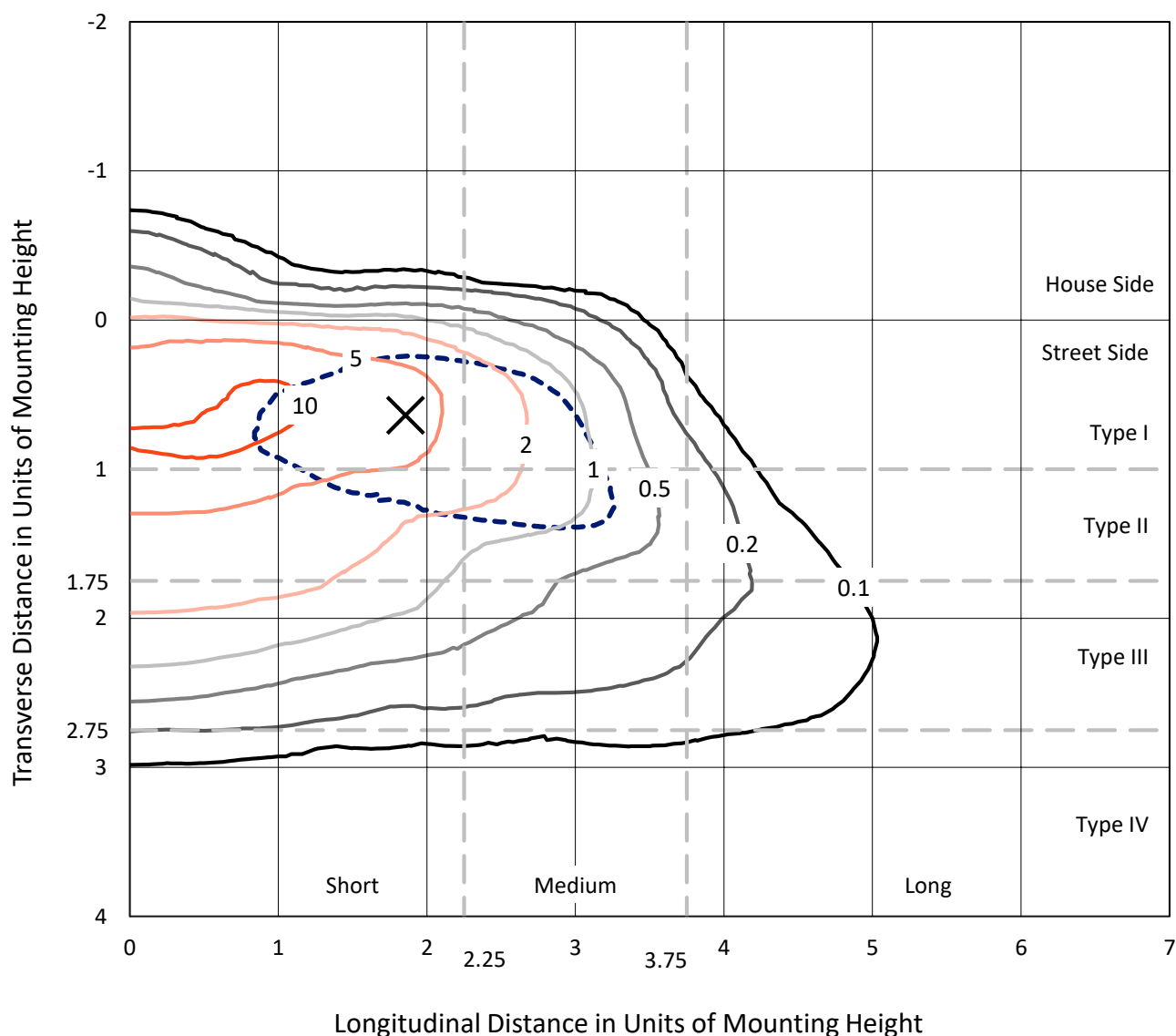
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

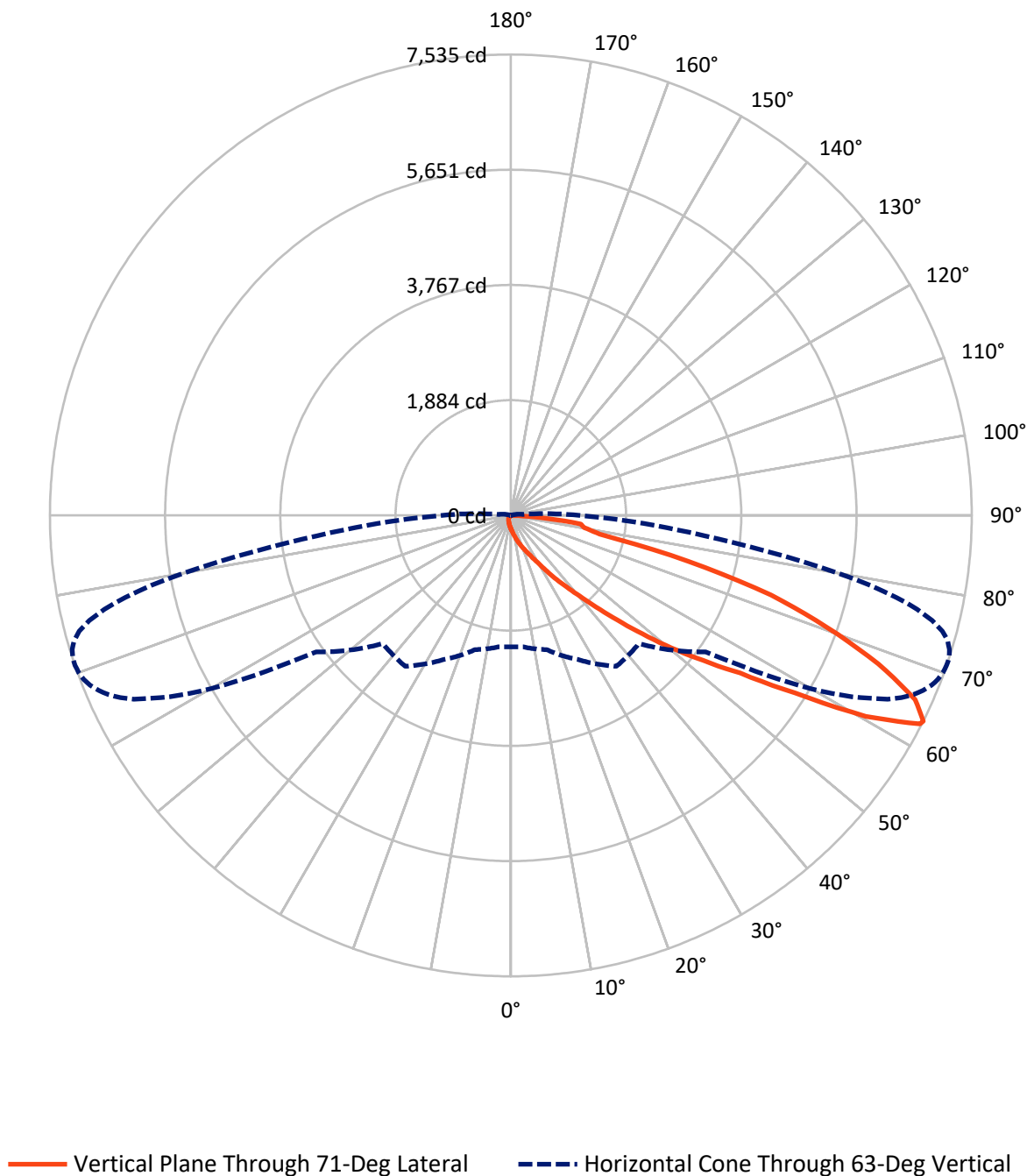


Based on 10 foot mounting height. Maximum calculated value = 11.9 fc  
 Type II - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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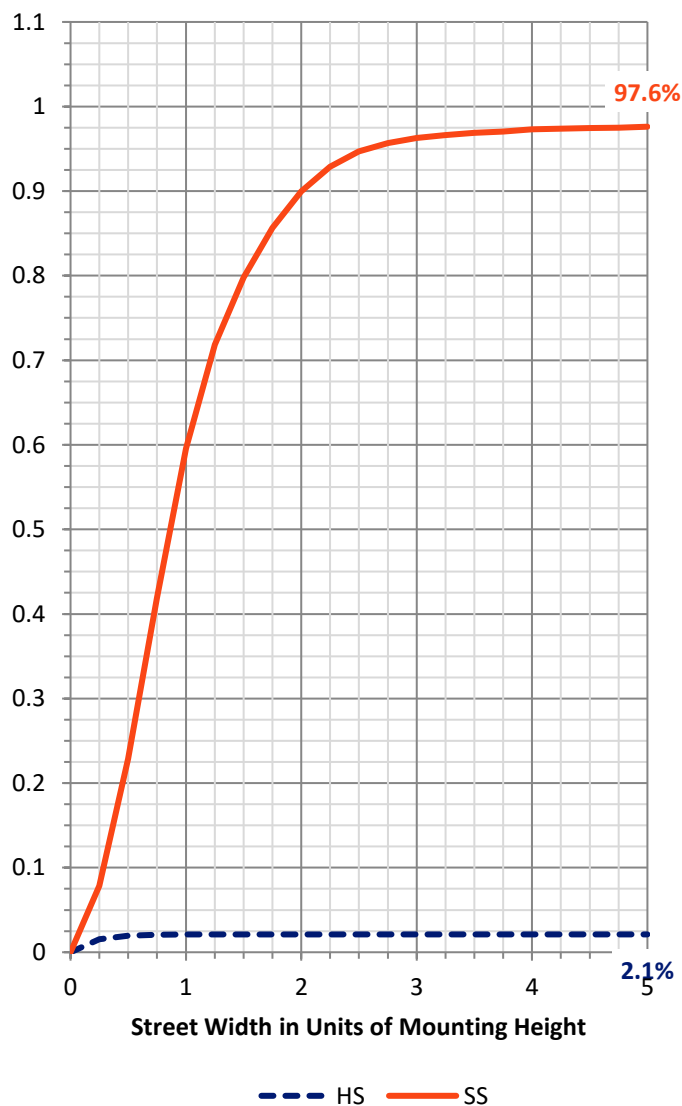
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 119.8    | 0.0    | 119.8  |
|                    | % Fixture | 2.1      | 0.0    | 2.1    |
| <b>Street Side</b> | Lumens    | 5524.5   | 0.0    | 5524.5 |
|                    | % Fixture | 97.9     | 0.0    | 97.9   |
| <b>Total</b>       | Lumens    | 5644.3   | 0.0    | 5644.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.9   | 0.4       |
| 10°-20°   | 92.8   | 1.6       |
| 20°-30°   | 188.5  | 3.3       |
| 30°-40°   | 460.6  | 8.2       |
| 40°-50°   | 1030.0 | 18.2      |
| 50°-60°   | 1448.3 | 25.7      |
| 60°-70°   | 1703.1 | 30.2      |
| 70°-80°   | 615.0  | 10.9      |
| 80°-90°   | 82.2   | 1.5       |
| 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°    | 5644.3 | 100.0     |
| 0°-180°   | 5644.3 | 100.0     |

**Coefficient of Utilization**



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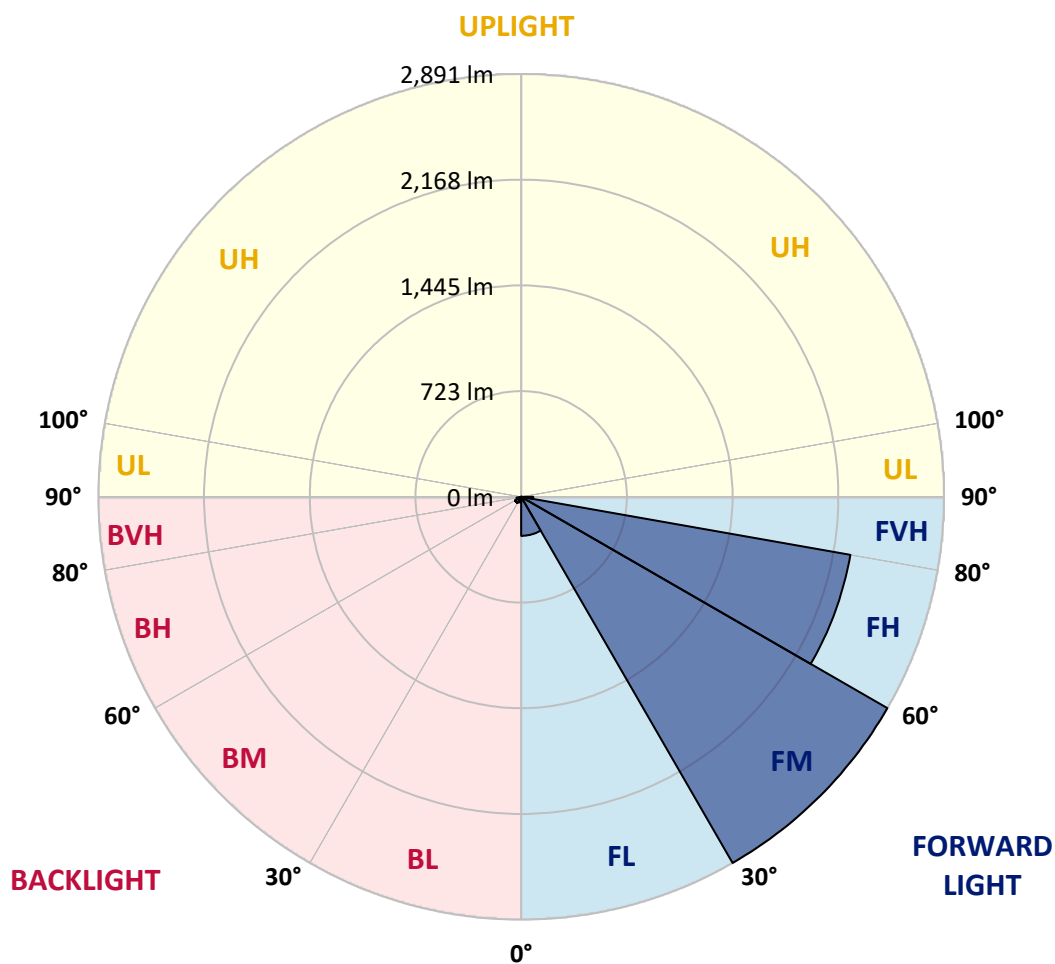
CATALOG NUMBER: VXS-E03-LED-E1-SL2-HSS-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 266.7  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 2890.5 | 51.2      |                         |      |         |
| FH   | (60°-80°)   | 2285.2 | 40.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 82.1   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 38.5   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 48.3   | 0.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 32.9   | 0.6       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.2    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  |
| 2.5°  | 283.2  | 286.3  | 284.2  | 279.1  | 273.0  | 264.8  | 257.5  | 257.5  | 256.5  | 253.5  | 254.5  |
| 5°    | 371.4  | 372.4  | 368.4  | 356.1  | 344.8  | 327.4  | 307.9  | 305.8  | 303.7  | 300.6  | 299.6  |
| 7.5°  | 457.6  | 461.8  | 457.6  | 444.4  | 421.8  | 395.0  | 364.2  | 361.1  | 355.0  | 355.0  | 350.9  |
| 10°   | 545.9  | 545.9  | 541.8  | 526.4  | 505.9  | 467.9  | 428.9  | 423.7  | 416.6  | 414.5  | 408.4  |
| 12.5° | 608.5  | 608.5  | 606.4  | 598.2  | 581.8  | 548.0  | 500.7  | 495.6  | 486.4  | 483.3  | 476.1  |
| 15°   | 633.1  | 633.1  | 634.1  | 641.3  | 642.4  | 626.9  | 577.7  | 573.6  | 564.4  | 556.2  | 553.1  |
| 17.5° | 648.5  | 647.5  | 647.5  | 657.7  | 676.2  | 686.4  | 654.6  | 650.6  | 640.3  | 636.2  | 625.9  |
| 20°   | 682.4  | 680.3  | 674.2  | 674.2  | 691.6  | 727.5  | 727.5  | 726.5  | 715.2  | 712.1  | 706.9  |
| 22.5° | 732.6  | 730.6  | 712.1  | 696.7  | 705.0  | 750.1  | 792.1  | 790.1  | 786.0  | 781.9  | 778.9  |
| 25°   | 814.7  | 807.6  | 775.8  | 730.6  | 723.4  | 771.6  | 841.5  | 846.5  | 849.6  | 849.6  | 851.7  |
| 27.5° | 938.9  | 929.6  | 873.3  | 789.1  | 757.3  | 806.5  | 895.8  | 906.0  | 915.3  | 917.3  | 926.5  |
| 30°   | 1111.3 | 1094.8 | 1013.8 | 890.7  | 817.8  | 857.8  | 975.9  | 987.2  | 1000.4 | 1004.6 | 1019.0 |
| 32.5° | 1394.5 | 1385.3 | 1307.3 | 1122.6 | 966.6  | 958.3  | 1087.7 | 1102.1 | 1119.5 | 1126.6 | 1144.1 |
| 35°   | 1825.5 | 1827.5 | 1763.8 | 1597.6 | 1382.2 | 1269.3 | 1287.8 | 1300.1 | 1306.2 | 1327.8 | 1337.0 |
| 37.5° | 2117.9 | 2123.0 | 2137.4 | 2071.7 | 1917.8 | 1802.9 | 1658.1 | 1671.5 | 1639.7 | 1642.8 | 1643.8 |
| 40°   | 2277.9 | 2294.4 | 2378.5 | 2442.2 | 2429.8 | 2363.1 | 2247.2 | 2254.4 | 2194.8 | 2181.5 | 2116.9 |
| 42.5° | 2384.7 | 2406.2 | 2540.6 | 2737.6 | 2838.2 | 2898.8 | 2872.0 | 2869.0 | 2822.8 | 2805.4 | 2751.0 |
| 45°   | 2451.4 | 2470.9 | 2640.2 | 2930.6 | 3162.5 | 3339.0 | 3411.8 | 3420.0 | 3381.0 | 3363.5 | 3318.4 |
| 47.5° | 2448.3 | 2470.9 | 2652.4 | 3002.4 | 3344.0 | 3626.2 | 3831.5 | 3841.8 | 3865.4 | 3849.9 | 3853.1 |
| 50°   | 2312.8 | 2334.4 | 2517.0 | 2880.3 | 3290.7 | 3757.6 | 4133.2 | 4166.0 | 4203.9 | 4229.6 | 4242.0 |
| 52.5° | 2148.7 | 2164.0 | 2326.2 | 2671.0 | 3062.9 | 3703.2 | 4311.7 | 4368.1 | 4424.6 | 4472.7 | 4506.6 |
| 55°   | 2088.1 | 2105.6 | 2232.8 | 2519.1 | 2880.3 | 3475.4 | 4394.8 | 4477.9 | 4557.9 | 4637.0 | 4701.7 |
| 57.5° | 2119.9 | 2136.4 | 2227.7 | 2447.3 | 2771.5 | 3235.3 | 4418.4 | 4547.7 | 4679.1 | 4807.3 | 4934.5 |
| 60°   | 2236.9 | 2254.4 | 2332.3 | 2514.0 | 2742.8 | 3096.8 | 4326.0 | 4540.5 | 4759.1 | 4982.8 | 5193.2 |
| 62.5° | 2190.8 | 2197.9 | 2312.8 | 2631.0 | 2948.0 | 2978.8 | 3990.6 | 4290.2 | 4623.6 | 4968.4 | 5308.1 |
| 63°   | 2146.6 | 2154.8 | 2271.8 | 2599.2 | 3010.6 | 2961.3 | 3886.8 | 4202.9 | 4554.9 | 4926.3 | 5295.8 |
| 65°   | 1946.5 | 1947.6 | 2036.8 | 2295.4 | 2940.8 | 2992.1 | 3425.2 | 3726.8 | 4131.1 | 4576.5 | 5043.3 |
| 67.5° | 1453.0 | 1445.8 | 1532.0 | 1729.0 | 2308.7 | 2993.2 | 2939.8 | 3109.1 | 3390.3 | 3785.3 | 4203.9 |
| 70°   | 515.1  | 503.8  | 643.4  | 916.3  | 1438.5 | 2448.3 | 2526.3 | 2537.5 | 2615.5 | 2829.0 | 3091.6 |
| 72.5° | 167.3  | 170.4  | 205.2  | 335.5  | 662.9  | 1647.9 | 2287.2 | 2252.3 | 2231.8 | 2230.8 | 2265.6 |
| 75°   | 66.7   | 67.8   | 82.1   | 148.8  | 297.6  | 794.2  | 2003.0 | 2022.5 | 2029.6 | 2039.9 | 2051.2 |
| 77.5° | 31.8   | 34.9   | 46.2   | 83.1   | 147.8  | 393.0  | 1433.5 | 1598.7 | 1693.1 | 1765.9 | 1810.1 |
| 80°   | 11.3   | 13.4   | 25.7   | 51.3   | 68.7   | 180.6  | 755.2  | 911.2  | 1049.7 | 1228.3 | 1382.2 |
| 82.5° | 0.0    | 0.0    | 5.2    | 36.0   | 37.9   | 72.8   | 309.8  | 363.2  | 415.5  | 538.8  | 691.6  |
| 85°   | 0.0    | 0.0    | 0.0    | 10.3   | 11.3   | 12.3   | 104.7  | 126.2  | 141.6  | 165.2  | 190.9  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    | 3.1    | 6.1    | 15.4   | 23.6   |
| 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):**

|       | 60°    | 61°    | 62°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  |
| 2.5°  | 252.4  | 251.4  | 251.4  | 249.3  | 248.3  | 246.2  | 245.3  | 242.2  | 241.1  | 241.1  | 241.1  |
| 5°    | 298.5  | 294.5  | 292.4  | 287.4  | 284.2  | 283.2  | 278.0  | 276.1  | 273.0  | 274.0  | 268.8  |
| 7.5°  | 349.9  | 342.7  | 339.7  | 332.4  | 330.4  | 323.2  | 321.1  | 316.1  | 313.0  | 306.8  | 304.8  |
| 10°   | 406.3  | 397.1  | 392.0  | 380.7  | 377.6  | 372.4  | 366.3  | 360.2  | 355.0  | 348.9  | 345.8  |
| 12.5° | 471.0  | 462.8  | 458.7  | 443.3  | 436.1  | 428.9  | 420.7  | 412.5  | 404.2  | 399.2  | 392.0  |
| 15°   | 546.9  | 533.6  | 529.4  | 515.1  | 502.8  | 493.6  | 482.3  | 472.0  | 465.8  | 455.5  | 448.4  |
| 17.5° | 621.9  | 608.5  | 605.4  | 583.8  | 570.5  | 564.4  | 552.0  | 538.8  | 527.5  | 517.2  | 505.9  |
| 20°   | 696.7  | 687.5  | 679.3  | 658.8  | 644.4  | 634.1  | 617.7  | 604.4  | 595.1  | 580.7  | 566.4  |
| 22.5° | 771.6  | 762.4  | 756.3  | 734.7  | 721.3  | 706.9  | 692.6  | 678.2  | 664.9  | 647.5  | 631.1  |
| 25°   | 848.6  | 842.4  | 839.4  | 819.9  | 807.6  | 794.2  | 779.8  | 763.4  | 747.0  | 727.5  | 710.1  |
| 27.5° | 928.6  | 930.7  | 924.6  | 920.4  | 907.0  | 897.8  | 875.2  | 863.9  | 851.7  | 828.1  | 806.5  |
| 30°   | 1030.3 | 1036.4 | 1034.3 | 1037.4 | 1029.2 | 1023.0 | 1005.6 | 991.2  | 976.9  | 954.3  | 929.6  |
| 32.5° | 1158.4 | 1166.6 | 1170.8 | 1182.1 | 1177.9 | 1176.0 | 1170.8 | 1150.3 | 1140.0 | 1101.0 | 1090.8 |
| 35°   | 1356.5 | 1352.4 | 1369.8 | 1379.1 | 1375.0 | 1373.0 | 1366.7 | 1355.4 | 1343.2 | 1315.4 | 1289.8 |
| 37.5° | 1614.1 | 1618.1 | 1624.4 | 1605.9 | 1593.6 | 1592.5 | 1574.1 | 1562.8 | 1545.3 | 1514.5 | 1483.7 |
| 40°   | 2086.1 | 2060.4 | 2031.7 | 1953.7 | 1919.8 | 1900.3 | 1846.0 | 1830.6 | 1800.8 | 1758.8 | 1726.9 |
| 42.5° | 2699.7 | 2674.0 | 2587.9 | 2457.5 | 2387.8 | 2291.3 | 2247.2 | 2192.7 | 2150.7 | 2082.0 | 2045.1 |
| 45°   | 3309.2 | 3235.3 | 3225.1 | 3073.2 | 2986.9 | 2859.8 | 2780.7 | 2689.4 | 2594.0 | 2503.7 | 2438.0 |
| 47.5° | 3823.3 | 3806.8 | 3756.6 | 3664.2 | 3584.1 | 3477.5 | 3375.9 | 3235.3 | 3136.8 | 3008.5 | 2890.6 |
| 50°   | 4234.7 | 4233.7 | 4215.2 | 4161.9 | 4095.2 | 4009.0 | 3919.7 | 3800.7 | 3688.8 | 3531.8 | 3405.6 |
| 52.5° | 4542.6 | 4559.0 | 4565.2 | 4548.7 | 4523.1 | 4447.2 | 4402.0 | 4302.5 | 4208.1 | 4074.7 | 3938.2 |
| 55°   | 4768.3 | 4828.8 | 4859.6 | 4894.5 | 4887.4 | 4860.6 | 4858.7 | 4794.0 | 4750.9 | 4645.2 | 4548.7 |
| 57.5° | 5047.5 | 5146.9 | 5242.4 | 5411.7 | 5417.8 | 5477.3 | 5508.1 | 5539.0 | 5547.2 | 5505.1 | 5473.3 |
| 60°   | 5402.5 | 5605.6 | 5786.2 | 6140.2 | 6232.5 | 6378.2 | 6472.6 | 6575.2 | 6662.5 | 6669.6 | 6667.7 |
| 62.5° | 5652.8 | 5965.8 | 6257.2 | 6782.6 | 6962.2 | 7130.4 | 7256.6 | 7356.2 | 7416.7 | 7478.2 | 7506.9 |
| 63°   | 5660.0 | 6002.7 | 6312.6 | 6854.4 | 7043.2 | 7203.2 | 7323.3 | 7415.6 | 7479.3 | 7516.3 | 7534.7 |
| 65°   | 5486.6 | 5902.2 | 6271.6 | 6811.3 | 6988.8 | 7149.9 | 7212.5 | 7273.1 | 7303.8 | 7318.1 | 7263.8 |
| 67.5° | 4650.3 | 5056.7 | 5487.6 | 6091.0 | 6242.8 | 6435.8 | 6487.0 | 6517.8 | 6532.2 | 6529.1 | 6482.9 |
| 70°   | 3477.5 | 3818.1 | 4297.3 | 4986.8 | 5188.0 | 5376.8 | 5493.8 | 5544.0 | 5560.4 | 5555.3 | 5486.6 |
| 72.5° | 2427.8 | 2627.9 | 3022.9 | 3790.5 | 4064.4 | 4306.5 | 4451.3 | 4526.1 | 4541.6 | 4510.8 | 4447.2 |
| 75°   | 2038.9 | 2049.1 | 2138.4 | 2558.0 | 2814.6 | 3073.2 | 3236.4 | 3283.5 | 3252.7 | 3159.4 | 2997.3 |
| 77.5° | 1820.3 | 1842.9 | 1842.9 | 1905.5 | 1955.8 | 2027.6 | 2043.0 | 1928.1 | 1794.6 | 1622.3 | 1482.7 |
| 80°   | 1526.8 | 1605.9 | 1661.2 | 1707.5 | 1712.5 | 1698.2 | 1660.2 | 1595.5 | 1493.0 | 1361.7 | 1216.0 |
| 82.5° | 927.6  | 1083.5 | 1147.2 | 1385.3 | 1502.2 | 1581.2 | 1575.0 | 1488.9 | 1410.9 | 1274.4 | 1150.3 |
| 85°   | 234.0  | 252.4  | 274.0  | 356.1  | 399.2  | 487.4  | 542.8  | 568.5  | 577.7  | 530.5  | 480.2  |
| 87.5° | 22.6   | 15.4   | 25.7   | 19.5   | 27.7   | 20.5   | 27.7   | 25.7   | 31.8   | 33.9   | 36.9   |
| 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):**

|       | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  |
| 2.5°  | 239.1  | 238.0  | 237.0  | 236.0  | 235.0  | 234.0  | 231.9  | 231.9  | 229.8  | 228.8  | 227.8  |
| 5°    | 265.8  | 263.7  | 262.7  | 260.6  | 257.5  | 255.5  | 252.4  | 248.3  | 245.3  | 244.2  | 242.2  |
| 7.5°  | 299.6  | 294.5  | 292.4  | 289.3  | 285.3  | 279.1  | 275.0  | 271.9  | 266.7  | 263.7  | 257.5  |
| 10°   | 337.6  | 332.4  | 326.3  | 320.1  | 314.0  | 306.8  | 301.7  | 297.6  | 289.3  | 285.3  | 278.0  |
| 12.5° | 385.8  | 376.6  | 369.4  | 361.1  | 353.0  | 344.8  | 338.7  | 326.3  | 319.1  | 309.8  | 303.7  |
| 15°   | 435.0  | 426.8  | 418.7  | 408.4  | 396.1  | 382.7  | 376.6  | 365.3  | 356.1  | 341.7  | 333.5  |
| 17.5° | 494.6  | 479.2  | 466.8  | 454.6  | 443.3  | 431.0  | 418.7  | 401.2  | 387.9  | 375.5  | 359.2  |
| 20°   | 553.1  | 534.6  | 521.2  | 504.9  | 488.4  | 468.9  | 454.6  | 442.3  | 423.7  | 407.4  | 389.9  |
| 22.5° | 615.6  | 597.2  | 575.6  | 559.3  | 536.7  | 521.2  | 501.8  | 481.2  | 462.8  | 441.2  | 419.7  |
| 25°   | 691.6  | 672.1  | 647.5  | 625.9  | 600.3  | 578.8  | 555.1  | 531.5  | 508.9  | 484.4  | 456.6  |
| 27.5° | 785.0  | 764.5  | 737.7  | 712.1  | 678.2  | 651.6  | 629.0  | 597.2  | 568.5  | 537.7  | 505.9  |
| 30°   | 903.0  | 880.4  | 847.6  | 810.7  | 776.8  | 747.0  | 715.2  | 673.2  | 641.3  | 604.4  | 563.3  |
| 32.5° | 1056.9 | 1030.3 | 986.1  | 951.2  | 909.1  | 870.2  | 826.0  | 783.9  | 738.8  | 690.6  | 643.4  |
| 35°   | 1250.8 | 1226.2 | 1174.9 | 1123.6 | 1077.4 | 1031.2 | 975.9  | 927.6  | 863.9  | 805.5  | 745.0  |
| 37.5° | 1451.9 | 1407.8 | 1360.6 | 1305.2 | 1247.8 | 1192.3 | 1124.7 | 1057.9 | 985.1  | 921.5  | 845.5  |
| 40°   | 1681.8 | 1628.4 | 1589.4 | 1529.9 | 1448.9 | 1369.8 | 1307.3 | 1224.1 | 1132.8 | 1047.7 | 958.3  |
| 42.5° | 1996.8 | 1937.3 | 1867.5 | 1777.2 | 1718.8 | 1626.4 | 1545.3 | 1446.8 | 1326.7 | 1231.3 | 1123.6 |
| 45°   | 2361.0 | 2280.0 | 2212.3 | 2125.1 | 2054.3 | 1939.4 | 1845.0 | 1713.6 | 1593.6 | 1468.4 | 1337.0 |
| 47.5° | 2776.7 | 2676.1 | 2577.6 | 2491.4 | 2378.5 | 2265.6 | 2145.6 | 2006.0 | 1852.1 | 1714.6 | 1558.7 |
| 50°   | 3253.8 | 3111.2 | 2974.7 | 2863.8 | 2708.9 | 2578.7 | 2448.3 | 2291.3 | 2120.9 | 1962.9 | 1785.4 |
| 52.5° | 3784.2 | 3619.1 | 3438.4 | 3268.2 | 3088.6 | 2921.3 | 2764.4 | 2583.7 | 2393.9 | 2201.0 | 2003.0 |
| 55°   | 4424.6 | 4300.4 | 4088.0 | 3871.5 | 3631.4 | 3407.7 | 3205.6 | 2981.9 | 2751.0 | 2497.5 | 2289.2 |
| 57.5° | 5427.0 | 5366.5 | 5189.0 | 4972.5 | 4659.6 | 4387.7 | 4044.9 | 3771.0 | 3436.5 | 3087.6 | 2818.8 |
| 60°   | 6785.6 | 6710.8 | 6611.2 | 6435.8 | 6187.5 | 5818.0 | 5440.4 | 5014.6 | 4505.6 | 4022.4 | 3563.6 |
| 62.5° | 7510.1 | 7483.4 | 7402.3 | 7281.2 | 7049.3 | 6757.9 | 6377.2 | 5909.3 | 5334.7 | 4747.8 | 4162.9 |
| 63°   | 7531.6 | 7497.7 | 7428.0 | 7304.9 | 7100.6 | 6818.4 | 6445.0 | 5990.4 | 5428.1 | 4829.8 | 4232.6 |
| 65°   | 7240.2 | 7226.8 | 7156.1 | 7021.7 | 6882.1 | 6666.6 | 6377.2 | 5986.3 | 5514.3 | 4948.9 | 4354.8 |
| 67.5° | 6421.3 | 6381.3 | 6272.5 | 6231.5 | 6134.1 | 5984.2 | 5763.6 | 5494.8 | 5157.2 | 4713.0 | 4199.9 |
| 70°   | 5431.2 | 5371.7 | 5235.2 | 5162.4 | 5043.3 | 4948.9 | 4814.5 | 4622.6 | 4414.3 | 4104.5 | 3721.7 |
| 72.5° | 4381.5 | 4258.3 | 4133.2 | 3943.3 | 3777.1 | 3608.8 | 3460.0 | 3324.6 | 3095.8 | 2970.6 | 2680.2 |
| 75°   | 2845.4 | 2621.7 | 2407.3 | 2119.9 | 1861.3 | 1632.5 | 1409.8 | 1297.0 | 1062.0 | 966.6  | 830.2  |
| 77.5° | 1350.4 | 1225.2 | 1056.9 | 926.5  | 760.3  | 620.8  | 506.9  | 380.7  | 298.5  | 234.0  | 178.5  |
| 80°   | 1089.7 | 984.0  | 882.5  | 764.5  | 639.3  | 509.9  | 391.0  | 292.4  | 207.3  | 143.6  | 101.6  |
| 82.5° | 971.7  | 856.8  | 731.6  | 650.6  | 565.4  | 462.8  | 379.7  | 309.8  | 228.8  | 167.3  | 113.9  |
| 85°   | 377.6  | 318.1  | 245.3  | 200.1  | 156.0  | 128.3  | 116.0  | 80.0   | 62.6   | 49.2   | 37.9   |
| 87.5° | 32.8   | 26.6   | 21.6   | 14.4   | 15.4   | 8.2    | 9.2    | 6.1    | 5.2    | 5.2    | 4.1    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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CATALOG NUMBER: VXS-E03-LED-E1-SL2-HSS-7060

**CANDELA DISTRIBUTION (continued):**

|       | 83°    | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    | 95°   | 105°  | 115°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5  | 216.5 | 216.5 | 216.5 |
| 2.5°  | 226.7  | 225.7  | 224.8  | 222.7  | 222.7  | 220.6  | 219.6  | 218.5  | 213.5 | 202.2 | 193.0 |
| 5°    | 238.0  | 236.0  | 234.0  | 230.9  | 228.8  | 225.7  | 223.7  | 220.6  | 209.3 | 187.8 | 169.3 |
| 7.5°  | 254.5  | 250.4  | 247.3  | 241.1  | 238.0  | 234.0  | 230.9  | 225.7  | 207.3 | 174.4 | 148.8 |
| 10°   | 274.0  | 266.7  | 261.7  | 254.5  | 248.3  | 243.2  | 238.0  | 230.9  | 205.2 | 160.1 | 130.4 |
| 12.5° | 297.6  | 289.3  | 279.1  | 270.9  | 262.7  | 255.5  | 248.3  | 239.1  | 202.2 | 147.8 | 116.0 |
| 15°   | 321.1  | 308.8  | 301.7  | 290.4  | 279.1  | 268.8  | 258.5  | 250.4  | 203.2 | 134.4 | 103.6 |
| 17.5° | 347.9  | 335.5  | 320.1  | 307.9  | 295.5  | 282.2  | 269.8  | 253.5  | 198.0 | 124.1 | 94.4  |
| 20°   | 373.5  | 356.1  | 341.7  | 326.3  | 308.8  | 292.4  | 277.1  | 262.7  | 193.9 | 113.9 | 86.2  |
| 22.5° | 401.2  | 380.7  | 362.2  | 342.7  | 321.1  | 302.7  | 284.2  | 265.8  | 186.7 | 104.7 | 79.0  |
| 25°   | 435.0  | 411.5  | 384.8  | 361.1  | 338.7  | 316.1  | 292.4  | 269.8  | 179.6 | 96.5  | 73.9  |
| 27.5° | 476.1  | 445.3  | 418.7  | 388.9  | 357.1  | 328.4  | 302.7  | 278.0  | 172.4 | 90.3  | 68.7  |
| 30°   | 528.4  | 492.5  | 454.6  | 416.6  | 382.7  | 349.9  | 314.0  | 283.2  | 165.2 | 84.1  | 63.6  |
| 32.5° | 598.2  | 553.1  | 506.9  | 462.8  | 417.6  | 375.5  | 337.6  | 297.6  | 161.1 | 79.0  | 58.4  |
| 35°   | 690.6  | 632.1  | 575.6  | 520.2  | 465.8  | 414.5  | 365.3  | 320.1  | 161.1 | 72.8  | 52.3  |
| 37.5° | 777.8  | 710.1  | 638.2  | 569.5  | 504.9  | 445.3  | 386.8  | 332.4  | 152.8 | 67.8  | 47.2  |
| 40°   | 872.2  | 791.1  | 706.9  | 625.9  | 548.0  | 474.1  | 407.4  | 344.8  | 145.7 | 61.6  | 42.1  |
| 42.5° | 1016.9 | 914.3  | 804.5  | 710.1  | 616.7  | 525.4  | 442.3  | 368.4  | 136.5 | 55.4  | 36.9  |
| 45°   | 1206.7 | 1076.4 | 947.0  | 832.1  | 713.2  | 601.3  | 502.8  | 411.5  | 134.4 | 50.3  | 31.8  |
| 47.5° | 1409.8 | 1256.0 | 1104.0 | 957.3  | 817.8  | 687.5  | 569.5  | 459.7  | 134.4 | 45.2  | 27.7  |
| 50°   | 1612.0 | 1419.1 | 1257.0 | 1086.6 | 929.6  | 775.8  | 635.1  | 509.9  | 135.4 | 41.0  | 22.6  |
| 52.5° | 1794.6 | 1588.4 | 1406.8 | 1209.7 | 1036.4 | 857.8  | 705.0  | 559.3  | 133.4 | 36.0  | 18.4  |
| 55°   | 2048.1 | 1805.9 | 1595.5 | 1378.0 | 1174.9 | 973.8  | 800.3  | 633.1  | 134.4 | 31.8  | 15.4  |
| 57.5° | 2515.0 | 2230.8 | 1977.3 | 1692.0 | 1458.1 | 1198.4 | 988.2  | 785.0  | 146.7 | 26.6  | 11.3  |
| 60°   | 3185.1 | 2815.6 | 2459.6 | 2111.7 | 1814.2 | 1505.3 | 1232.3 | 993.3  | 172.4 | 21.6  | 8.2   |
| 62.5° | 3635.4 | 3152.2 | 2727.4 | 2343.6 | 1997.8 | 1674.6 | 1377.0 | 1105.1 | 189.8 | 17.4  | 5.2   |
| 63°   | 3681.7 | 3182.0 | 2755.1 | 2359.1 | 2006.0 | 1682.8 | 1383.2 | 1113.4 | 190.9 | 16.4  | 5.2   |
| 65°   | 3768.9 | 3233.3 | 2770.5 | 2362.1 | 1997.8 | 1671.5 | 1379.1 | 1112.3 | 193.0 | 13.4  | 4.1   |
| 67.5° | 3669.3 | 3154.2 | 2681.2 | 2273.9 | 1926.0 | 1604.9 | 1327.8 | 1071.3 | 191.9 | 9.2   | 3.1   |
| 70°   | 3281.5 | 2854.6 | 2439.1 | 2059.4 | 1743.3 | 1453.0 | 1208.7 | 976.9  | 176.5 | 6.1   | 2.1   |
| 72.5° | 2409.3 | 2118.9 | 1796.7 | 1522.7 | 1313.4 | 1090.8 | 930.7  | 733.7  | 136.5 | 4.1   | 1.0   |
| 75°   | 714.2  | 650.6  | 546.9  | 482.3  | 425.8  | 351.9  | 313.0  | 244.2  | 69.7  | 2.1   | 0.0   |
| 77.5° | 142.6  | 129.3  | 116.0  | 105.7  | 99.5   | 85.2   | 81.0   | 66.7   | 28.7  | 1.0   | 0.0   |
| 80°   | 74.9   | 61.6   | 52.3   | 46.2   | 40.0   | 32.8   | 27.7   | 22.6   | 5.2   | 0.0   | 0.0   |
| 82.5° | 71.8   | 48.2   | 34.9   | 28.7   | 24.7   | 19.5   | 15.4   | 11.3   | 3.1   | 0.0   | 0.0   |
| 85°   | 26.6   | 20.5   | 15.4   | 12.3   | 10.3   | 9.2    | 7.2    | 6.1    | 0.0   | 0.0   | 0.0   |
| 87.5° | 4.1    | 3.1    | 3.1    | 2.1    | 2.1    | 1.0    | 1.0    | 1.0    | 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):**

|       | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 216.5 | 216.5 | 216.5 | 216.5 | 216.5 | 216.5 | 216.5 |
| 2.5°  | 183.6 | 175.4 | 171.4 | 166.2 | 166.2 | 165.2 | 167.3 |
| 5°    | 152.8 | 141.6 | 133.4 | 127.3 | 128.3 | 125.2 | 126.2 |
| 7.5°  | 129.3 | 118.0 | 110.8 | 106.7 | 105.7 | 104.7 | 104.7 |
| 10°   | 111.8 | 101.6 | 95.4  | 92.3  | 91.3  | 91.3  | 91.3  |
| 12.5° | 99.5  | 89.2  | 84.1  | 82.1  | 82.1  | 81.0  | 81.0  |
| 15°   | 89.2  | 81.0  | 76.0  | 73.9  | 73.9  | 72.8  | 73.9  |
| 17.5° | 81.0  | 72.8  | 68.7  | 66.7  | 66.7  | 65.7  | 65.7  |
| 20°   | 73.9  | 66.7  | 62.6  | 59.5  | 59.5  | 58.4  | 59.5  |
| 22.5° | 67.8  | 60.5  | 55.4  | 53.4  | 52.3  | 51.3  | 52.3  |
| 25°   | 61.6  | 54.4  | 49.2  | 46.2  | 45.2  | 45.2  | 44.1  |
| 27.5° | 56.5  | 49.2  | 43.1  | 40.0  | 39.0  | 39.0  | 37.9  |
| 30°   | 51.3  | 43.1  | 36.9  | 33.9  | 32.8  | 32.8  | 32.8  |
| 32.5° | 46.2  | 36.9  | 31.8  | 28.7  | 27.7  | 27.7  | 27.7  |
| 35°   | 41.0  | 31.8  | 26.6  | 23.6  | 22.6  | 22.6  | 22.6  |
| 37.5° | 34.9  | 26.6  | 20.5  | 18.4  | 17.4  | 16.4  | 16.4  |
| 40°   | 29.7  | 20.5  | 15.4  | 13.4  | 11.3  | 11.3  | 11.3  |
| 42.5° | 24.7  | 16.4  | 11.3  | 8.2   | 7.2   | 6.1   | 7.2   |
| 45°   | 20.5  | 12.3  | 7.2   | 4.1   | 3.1   | 3.1   | 3.1   |
| 47.5° | 16.4  | 8.2   | 3.1   | 1.0   | 1.0   | 1.0   | 1.0   |
| 50°   | 12.3  | 5.2   | 1.0   | 0.0   | 0.0   | 1.0   | 1.0   |
| 52.5° | 9.2   | 3.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°   | 5.2   | 1.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 3.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 2.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 1.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 63°   | 1.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 1.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 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   |

(END OF REPORT)