

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: P149267

Luminaire Tested: **VXM-F04-LED-E1-SL2-HSS-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P149267  
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: VXM-F04-LED-E1-SL2-HSS-7060  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (28) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6212.7 lumens  
Efficiency: N/A  
Efficacy: 60.8 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

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



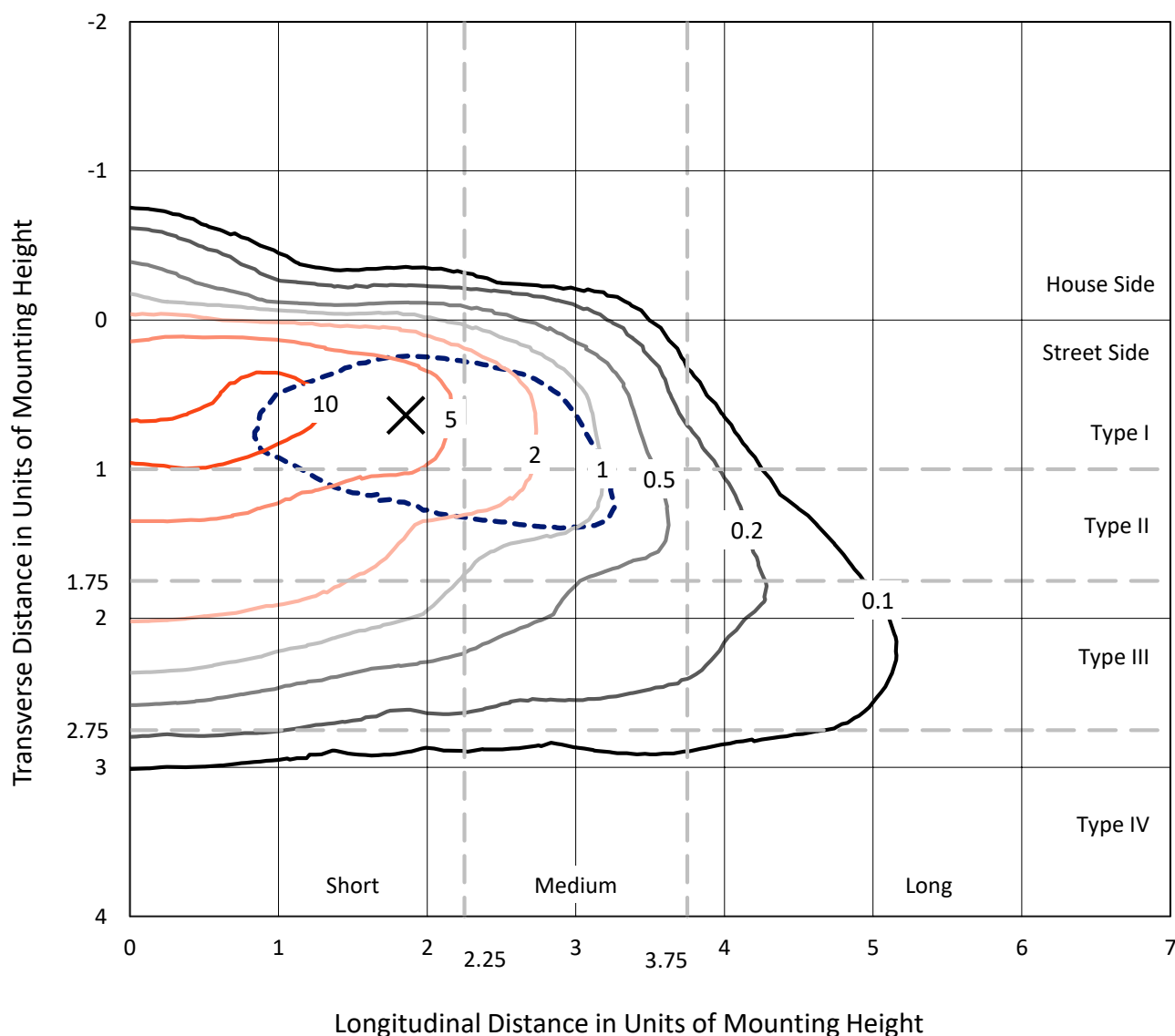
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

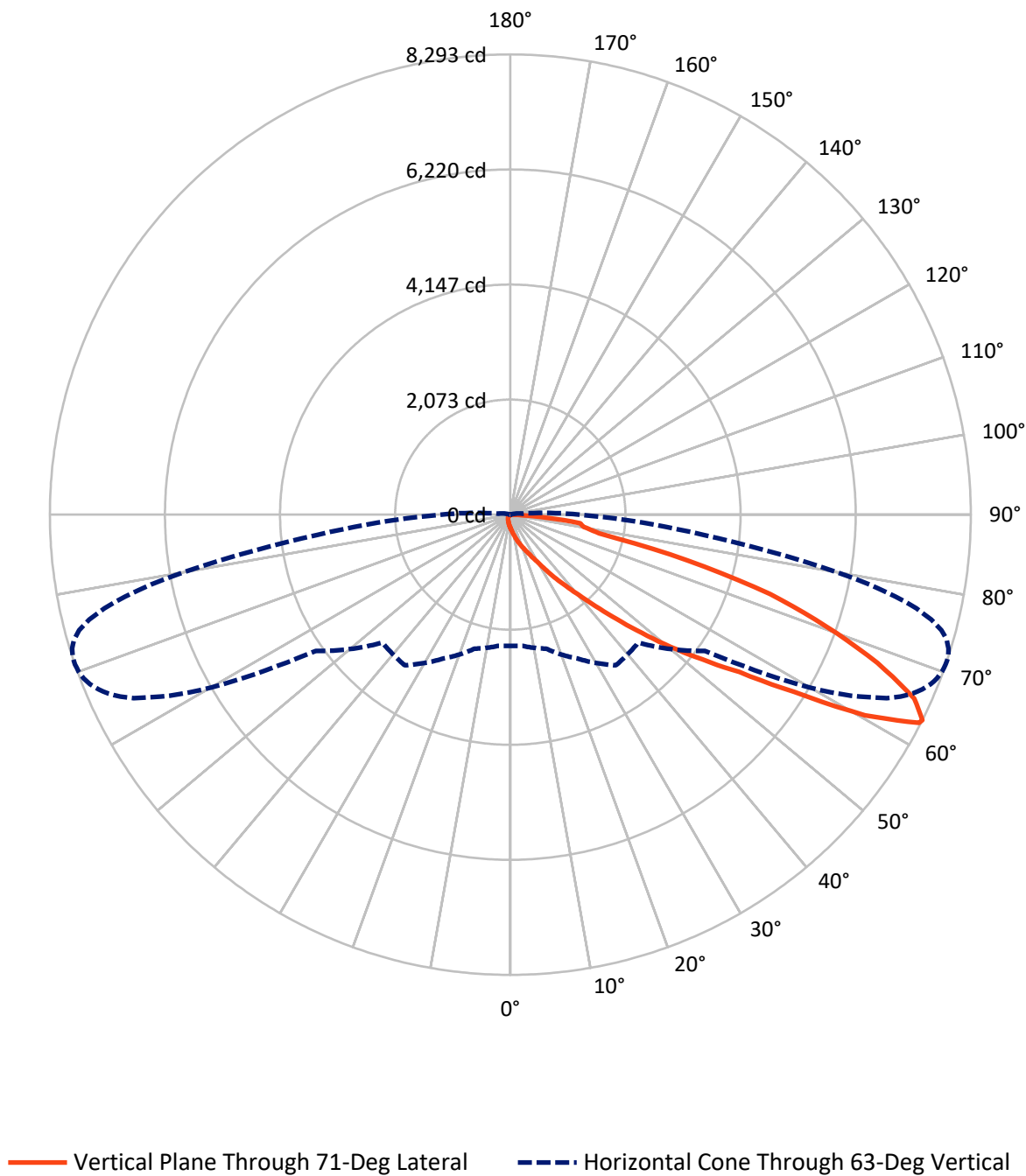


Based on 10 foot mounting height. Maximum calculated value = 13.1 fc  
 Type II - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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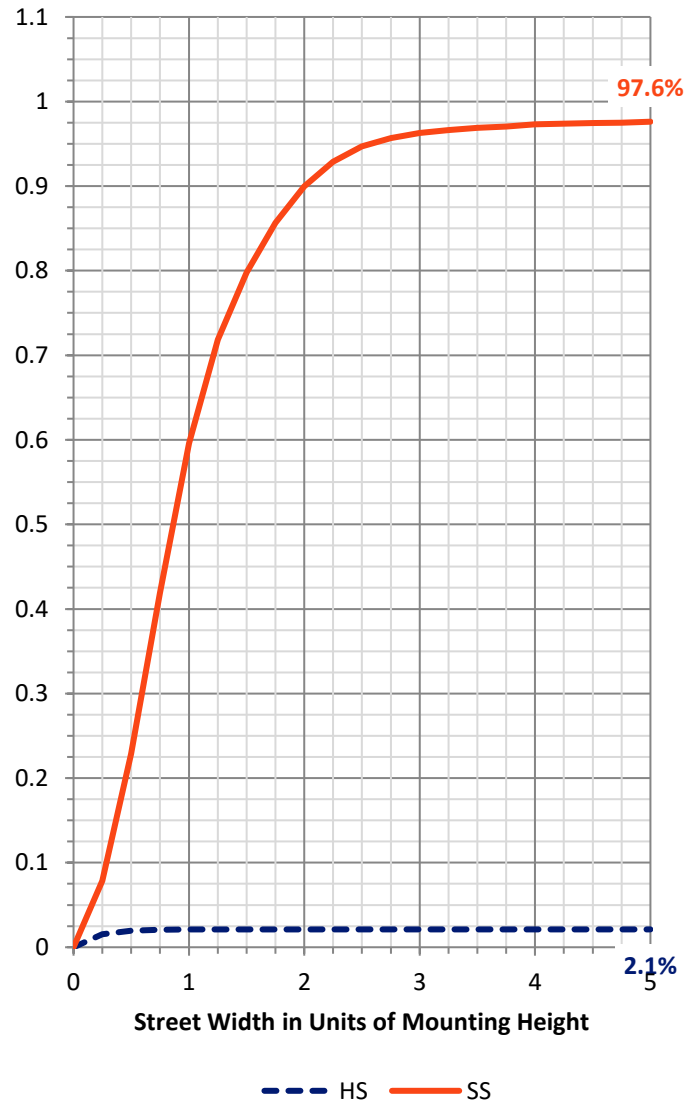
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 131.9    | 0.0    | 131.9  |
|                    | % Fixture | 2.1      | 0.0    | 2.1    |
| <b>Street Side</b> | Lumens    | 6080.8   | 0.0    | 6080.8 |
|                    | % Fixture | 97.9     | 0.0    | 97.9   |
| <b>Total</b>       | Lumens    | 6212.7   | 0.0    | 6212.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.3   | 0.4       |
| 10°-20°   | 102.2  | 1.6       |
| 20°-30°   | 207.5  | 3.3       |
| 30°-40°   | 506.9  | 8.2       |
| 40°-50°   | 1133.7 | 18.2      |
| 50°-60°   | 1594.1 | 25.7      |
| 60°-70°   | 1874.6 | 30.2      |
| 70°-80°   | 676.9  | 10.9      |
| 80°-90°   | 90.5   | 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°    | 6212.7 | 100.0     |
| 0°-180°   | 6212.7 | 100.0     |

**Coefficient of Utilization**



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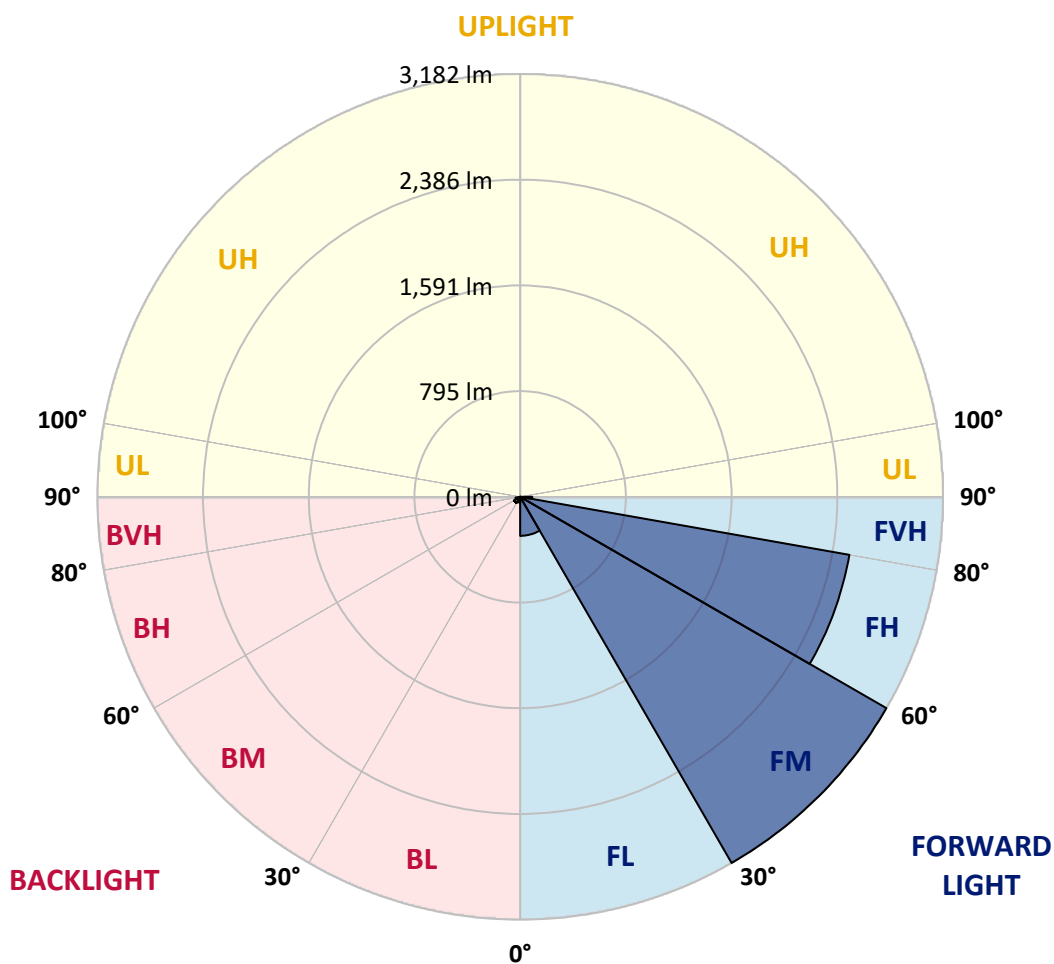
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 293.6  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 3181.6 | 51.2      |                         |      |         |
| FH   | (60°-80°)   | 2515.3 | 40.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 90.3   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 42.4   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 53.1   | 0.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 36.2   | 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°    | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  |
| 2.5°  | 311.7  | 315.1  | 312.9  | 307.2  | 300.4  | 291.4  | 283.5  | 283.5  | 282.4  | 279.0  | 280.1  |
| 5°    | 408.9  | 410.0  | 405.5  | 391.9  | 379.5  | 360.3  | 338.8  | 336.6  | 334.3  | 330.9  | 329.8  |
| 7.5°  | 503.7  | 508.2  | 503.7  | 489.0  | 464.2  | 434.8  | 400.9  | 397.6  | 390.8  | 390.8  | 386.3  |
| 10°   | 600.9  | 600.9  | 596.3  | 579.4  | 556.8  | 515.0  | 472.1  | 466.5  | 458.6  | 456.3  | 449.5  |
| 12.5° | 669.8  | 669.8  | 667.5  | 658.5  | 640.4  | 603.1  | 551.2  | 545.5  | 535.4  | 532.0  | 524.1  |
| 15°   | 696.9  | 696.9  | 698.0  | 705.9  | 707.0  | 690.1  | 635.9  | 631.4  | 621.2  | 612.2  | 608.8  |
| 17.5° | 713.8  | 712.7  | 712.7  | 724.0  | 744.3  | 755.6  | 720.6  | 716.1  | 704.8  | 700.2  | 689.0  |
| 20°   | 751.1  | 748.8  | 742.0  | 742.0  | 761.2  | 800.8  | 800.8  | 799.6  | 787.2  | 783.8  | 778.2  |
| 22.5° | 806.4  | 804.2  | 783.8  | 766.9  | 775.9  | 825.6  | 871.9  | 869.7  | 865.1  | 860.6  | 857.2  |
| 25°   | 896.8  | 888.9  | 853.9  | 804.2  | 796.3  | 849.3  | 926.1  | 931.8  | 935.2  | 935.2  | 937.4  |
| 27.5° | 1033.4 | 1023.3 | 961.1  | 868.5  | 833.5  | 887.7  | 986.0  | 997.3  | 1007.5 | 1009.7 | 1019.9 |
| 30°   | 1223.2 | 1205.1 | 1115.9 | 980.3  | 900.2  | 944.2  | 1074.1 | 1086.5 | 1101.2 | 1105.7 | 1121.5 |
| 32.5° | 1534.9 | 1524.7 | 1438.9 | 1235.6 | 1063.9 | 1054.9 | 1197.2 | 1213.0 | 1232.2 | 1240.1 | 1259.3 |
| 35°   | 2009.3 | 2011.5 | 1941.5 | 1758.5 | 1521.3 | 1397.1 | 1417.4 | 1431.0 | 1437.8 | 1461.5 | 1471.7 |
| 37.5° | 2331.2 | 2336.8 | 2352.6 | 2280.3 | 2110.9 | 1984.4 | 1825.2 | 1839.8 | 1804.8 | 1808.2 | 1809.4 |
| 40°   | 2507.3 | 2525.4 | 2618.0 | 2688.1 | 2674.5 | 2601.1 | 2473.5 | 2481.4 | 2415.9 | 2401.2 | 2330.0 |
| 42.5° | 2624.8 | 2648.5 | 2796.5 | 3013.3 | 3124.0 | 3190.7 | 3161.3 | 3157.9 | 3107.1 | 3087.9 | 3028.0 |
| 45°   | 2698.2 | 2719.7 | 2906.0 | 3225.7 | 3480.9 | 3675.2 | 3755.4 | 3764.4 | 3721.5 | 3702.3 | 3652.6 |
| 47.5° | 2694.8 | 2719.7 | 2919.6 | 3304.7 | 3680.8 | 3991.4 | 4217.3 | 4228.6 | 4254.6 | 4237.6 | 4241.0 |
| 50°   | 2545.7 | 2569.5 | 2770.5 | 3170.3 | 3622.1 | 4136.0 | 4549.4 | 4585.5 | 4627.3 | 4655.5 | 4669.1 |
| 52.5° | 2365.0 | 2382.0 | 2560.4 | 2939.9 | 3371.4 | 4076.1 | 4745.9 | 4808.0 | 4870.1 | 4923.2 | 4960.5 |
| 55°   | 2298.4 | 2317.6 | 2457.6 | 2772.8 | 3170.3 | 3825.4 | 4837.4 | 4928.9 | 5016.9 | 5103.9 | 5175.1 |
| 57.5° | 2333.4 | 2351.5 | 2452.0 | 2693.7 | 3050.6 | 3561.1 | 4863.3 | 5005.7 | 5150.2 | 5291.4 | 5431.4 |
| 60°   | 2462.2 | 2481.4 | 2567.2 | 2767.1 | 3019.0 | 3408.6 | 4761.7 | 4997.7 | 5238.3 | 5484.5 | 5716.1 |
| 62.5° | 2411.3 | 2419.2 | 2545.7 | 2895.9 | 3244.9 | 3278.7 | 4392.4 | 4722.2 | 5089.2 | 5468.7 | 5842.6 |
| 63°   | 2362.8 | 2371.8 | 2500.6 | 2860.9 | 3313.8 | 3259.5 | 4278.3 | 4626.2 | 5013.6 | 5422.4 | 5829.0 |
| 65°   | 2142.5 | 2143.7 | 2241.9 | 2526.5 | 3237.0 | 3293.4 | 3770.1 | 4102.1 | 4547.1 | 5037.3 | 5551.2 |
| 67.5° | 1599.3 | 1591.4 | 1686.2 | 1903.1 | 2541.2 | 3294.6 | 3235.8 | 3422.2 | 3731.7 | 4166.5 | 4627.3 |
| 70°   | 567.0  | 554.6  | 708.2  | 1008.6 | 1583.5 | 2694.8 | 2780.7 | 2793.1 | 2878.9 | 3113.8 | 3403.0 |
| 72.5° | 184.1  | 187.5  | 225.9  | 369.3  | 729.6  | 1813.9 | 2517.5 | 2479.1 | 2456.5 | 2455.4 | 2493.8 |
| 75°   | 73.4   | 74.5   | 90.4   | 163.8  | 327.5  | 874.2  | 2204.7 | 2226.1 | 2234.0 | 2245.3 | 2257.7 |
| 77.5° | 35.0   | 38.4   | 50.8   | 91.5   | 162.6  | 432.6  | 1577.8 | 1759.7 | 1863.6 | 1943.8 | 1992.3 |
| 80°   | 12.4   | 14.7   | 28.2   | 56.5   | 75.7   | 198.8  | 831.3  | 1002.9 | 1155.4 | 1351.9 | 1521.3 |
| 82.5° | 0.0    | 0.0    | 5.6    | 39.5   | 41.8   | 80.2   | 341.1  | 399.8  | 457.4  | 593.0  | 761.2  |
| 85°   | 0.0    | 0.0    | 0.0    | 11.3   | 12.4   | 13.6   | 115.2  | 138.9  | 155.9  | 181.8  | 210.1  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 3.4    | 6.8    | 16.9   | 26.0   |
| 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):**

|       | 60°    | 61°    | 62°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  |
| 2.5°  | 277.8  | 276.7  | 276.7  | 274.5  | 273.3  | 271.1  | 269.9  | 266.5  | 265.4  | 265.4  | 265.4  |
| 5°    | 328.7  | 324.1  | 321.9  | 316.2  | 312.9  | 311.7  | 306.1  | 303.8  | 300.4  | 301.6  | 295.9  |
| 7.5°  | 385.1  | 377.2  | 373.8  | 365.9  | 363.7  | 355.8  | 353.5  | 347.9  | 344.5  | 337.7  | 335.4  |
| 10°   | 447.3  | 437.1  | 431.4  | 419.0  | 415.6  | 410.0  | 403.2  | 396.4  | 390.8  | 384.0  | 380.6  |
| 12.5° | 518.4  | 509.4  | 504.9  | 487.9  | 480.0  | 472.1  | 463.1  | 454.0  | 445.0  | 439.3  | 431.4  |
| 15°   | 602.0  | 587.3  | 582.8  | 567.0  | 553.4  | 543.3  | 530.8  | 519.5  | 512.8  | 501.5  | 493.6  |
| 17.5° | 684.4  | 669.8  | 666.4  | 642.6  | 628.0  | 621.2  | 607.6  | 593.0  | 580.5  | 569.2  | 556.8  |
| 20°   | 766.9  | 756.7  | 747.7  | 725.1  | 709.3  | 698.0  | 679.9  | 665.2  | 655.1  | 639.3  | 623.4  |
| 22.5° | 849.3  | 839.2  | 832.4  | 808.7  | 794.0  | 778.2  | 762.4  | 746.6  | 731.9  | 712.7  | 694.6  |
| 25°   | 934.0  | 927.3  | 923.9  | 902.4  | 888.9  | 874.2  | 858.4  | 840.3  | 822.2  | 800.8  | 781.6  |
| 27.5° | 1022.1 | 1024.4 | 1017.6 | 1013.1 | 998.4  | 988.3  | 963.4  | 951.0  | 937.4  | 911.5  | 887.7  |
| 30°   | 1134.0 | 1140.7 | 1138.5 | 1141.9 | 1132.8 | 1126.0 | 1106.8 | 1091.0 | 1075.2 | 1050.4 | 1023.3 |
| 32.5° | 1275.1 | 1284.2 | 1288.7 | 1301.1 | 1296.6 | 1294.3 | 1288.7 | 1266.1 | 1254.8 | 1211.9 | 1200.6 |
| 35°   | 1493.1 | 1488.6 | 1507.8 | 1518.0 | 1513.4 | 1511.2 | 1504.4 | 1492.0 | 1478.4 | 1447.9 | 1419.7 |
| 37.5° | 1776.6 | 1781.1 | 1787.9 | 1767.6 | 1754.0 | 1752.9 | 1732.6 | 1720.1 | 1700.9 | 1667.0 | 1633.2 |
| 40°   | 2296.1 | 2267.9 | 2236.3 | 2150.4 | 2113.2 | 2091.7 | 2031.9 | 2014.9 | 1982.2 | 1935.9 | 1900.8 |
| 42.5° | 2971.5 | 2943.3 | 2848.4 | 2705.0 | 2628.2 | 2522.0 | 2473.5 | 2413.6 | 2367.3 | 2291.6 | 2251.0 |
| 45°   | 3642.4 | 3561.1 | 3549.8 | 3382.7 | 3287.8 | 3147.7 | 3060.8 | 2960.2 | 2855.2 | 2755.8 | 2683.5 |
| 47.5° | 4208.3 | 4190.2 | 4134.9 | 4033.2 | 3945.1 | 3827.7 | 3715.8 | 3561.1 | 3452.7 | 3311.5 | 3181.6 |
| 50°   | 4661.2 | 4660.0 | 4639.7 | 4581.0 | 4507.6 | 4412.7 | 4314.4 | 4183.4 | 4060.3 | 3887.5 | 3748.6 |
| 52.5° | 5000.0 | 5018.1 | 5024.9 | 5006.8 | 4978.5 | 4895.0 | 4845.3 | 4735.7 | 4631.8 | 4485.0 | 4334.8 |
| 55°   | 5248.5 | 5315.1 | 5349.0 | 5387.4 | 5379.5 | 5350.1 | 5347.9 | 5276.7 | 5229.3 | 5112.9 | 5006.8 |
| 57.5° | 5555.7 | 5665.2 | 5770.3 | 5956.6 | 5963.4 | 6028.9 | 6062.8 | 6096.7 | 6105.7 | 6059.4 | 6024.4 |
| 60°   | 5946.5 | 6170.1 | 6368.9 | 6758.5 | 6860.2 | 7020.6 | 7124.5 | 7237.4 | 7333.4 | 7341.3 | 7339.1 |
| 62.5° | 6222.1 | 6566.5 | 6887.3 | 7465.6 | 7663.2 | 7848.4 | 7987.4 | 8096.9 | 8163.6 | 8231.3 | 8262.9 |
| 63°   | 6230.0 | 6607.2 | 6948.3 | 7544.6 | 7752.4 | 7928.6 | 8060.8 | 8162.4 | 8232.4 | 8273.1 | 8293.4 |
| 65°   | 6039.1 | 6496.5 | 6903.1 | 7497.2 | 7692.6 | 7869.9 | 7938.8 | 8005.4 | 8039.3 | 8055.1 | 7995.3 |
| 67.5° | 5118.6 | 5565.9 | 6040.2 | 6704.3 | 6871.5 | 7083.8 | 7140.3 | 7174.2 | 7190.0 | 7186.6 | 7135.8 |
| 70°   | 3827.7 | 4202.6 | 4730.1 | 5489.1 | 5710.4 | 5918.2 | 6047.0 | 6102.3 | 6120.4 | 6114.8 | 6039.1 |
| 72.5° | 2672.2 | 2892.5 | 3327.3 | 4172.1 | 4473.7 | 4740.2 | 4899.5 | 4981.9 | 4998.9 | 4965.0 | 4895.0 |
| 75°   | 2244.2 | 2255.5 | 2353.7 | 2815.7 | 3098.0 | 3382.7 | 3562.2 | 3614.2 | 3580.3 | 3477.5 | 3299.1 |
| 77.5° | 2003.6 | 2028.5 | 2028.5 | 2097.4 | 2152.7 | 2231.8 | 2248.7 | 2122.2 | 1975.4 | 1785.6 | 1632.0 |
| 80°   | 1680.6 | 1767.6 | 1828.6 | 1879.4 | 1885.0 | 1869.2 | 1827.4 | 1756.3 | 1643.3 | 1498.8 | 1338.4 |
| 82.5° | 1021.0 | 1192.7 | 1262.7 | 1524.7 | 1653.5 | 1740.5 | 1733.7 | 1638.8 | 1553.0 | 1402.8 | 1266.1 |
| 85°   | 257.5  | 277.8  | 301.6  | 391.9  | 439.3  | 536.5  | 597.5  | 625.7  | 635.9  | 583.9  | 528.6  |
| 87.5° | 24.8   | 16.9   | 28.2   | 21.5   | 30.5   | 22.6   | 30.5   | 28.2   | 35.0   | 37.3   | 40.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  |
| 2.5°  | 263.2  | 262.0  | 260.9  | 259.8  | 258.6  | 257.5  | 255.3  | 255.3  | 253.0  | 251.9  | 250.7  |
| 5°    | 292.5  | 290.3  | 289.1  | 286.9  | 283.5  | 281.2  | 277.8  | 273.3  | 269.9  | 268.8  | 266.5  |
| 7.5°  | 329.8  | 324.1  | 321.9  | 318.5  | 314.0  | 307.2  | 302.7  | 299.3  | 293.7  | 290.3  | 283.5  |
| 10°   | 371.6  | 365.9  | 359.2  | 352.4  | 345.6  | 337.7  | 332.1  | 327.5  | 318.5  | 314.0  | 306.1  |
| 12.5° | 424.7  | 414.5  | 406.6  | 397.6  | 388.5  | 379.5  | 372.7  | 359.2  | 351.3  | 341.1  | 334.3  |
| 15°   | 478.9  | 469.8  | 460.8  | 449.5  | 436.0  | 421.3  | 414.5  | 402.1  | 391.9  | 376.1  | 367.1  |
| 17.5° | 544.4  | 527.4  | 513.9  | 500.3  | 487.9  | 474.4  | 460.8  | 441.6  | 426.9  | 413.4  | 395.3  |
| 20°   | 608.8  | 588.4  | 573.8  | 555.7  | 537.6  | 516.2  | 500.3  | 486.8  | 466.5  | 448.4  | 429.2  |
| 22.5° | 677.7  | 657.3  | 633.6  | 615.5  | 590.7  | 573.8  | 552.3  | 529.7  | 509.4  | 485.7  | 461.9  |
| 25°   | 761.2  | 739.8  | 712.7  | 689.0  | 660.7  | 637.0  | 611.0  | 585.0  | 560.2  | 533.1  | 502.6  |
| 27.5° | 864.0  | 841.4  | 812.1  | 783.8  | 746.6  | 717.2  | 692.3  | 657.3  | 625.7  | 591.8  | 556.8  |
| 30°   | 993.9  | 969.1  | 932.9  | 892.3  | 855.0  | 822.2  | 787.2  | 740.9  | 705.9  | 665.2  | 620.1  |
| 32.5° | 1163.3 | 1134.0 | 1085.4 | 1047.0 | 1000.7 | 957.8  | 909.2  | 862.9  | 813.2  | 760.1  | 708.2  |
| 35°   | 1376.8 | 1349.7 | 1293.2 | 1236.7 | 1185.9 | 1135.1 | 1074.1 | 1021.0 | 951.0  | 886.6  | 820.0  |
| 37.5° | 1598.1 | 1549.6 | 1497.6 | 1436.6 | 1373.4 | 1312.4 | 1237.9 | 1164.4 | 1084.3 | 1014.2 | 930.7  |
| 40°   | 1851.1 | 1792.4 | 1749.5 | 1684.0 | 1594.8 | 1507.8 | 1438.9 | 1347.4 | 1246.9 | 1153.2 | 1054.9 |
| 42.5° | 2197.9 | 2132.4 | 2055.6 | 1956.2 | 1891.8 | 1790.2 | 1700.9 | 1592.5 | 1460.4 | 1355.3 | 1236.7 |
| 45°   | 2598.8 | 2509.6 | 2435.1 | 2339.1 | 2261.1 | 2134.6 | 2030.7 | 1886.2 | 1754.0 | 1616.2 | 1471.7 |
| 47.5° | 3056.2 | 2945.6 | 2837.1 | 2742.3 | 2618.0 | 2493.8 | 2361.6 | 2208.0 | 2038.6 | 1887.3 | 1715.6 |
| 50°   | 3581.4 | 3424.4 | 3274.2 | 3152.3 | 2981.7 | 2838.3 | 2694.8 | 2522.0 | 2334.5 | 2160.6 | 1965.2 |
| 52.5° | 4165.4 | 3983.5 | 3784.7 | 3597.2 | 3399.6 | 3215.5 | 3042.7 | 2843.9 | 2635.0 | 2422.6 | 2204.7 |
| 55°   | 4870.1 | 4733.5 | 4499.7 | 4261.4 | 3997.1 | 3750.9 | 3528.4 | 3282.1 | 3028.0 | 2749.0 | 2519.8 |
| 57.5° | 5973.6 | 5906.9 | 5711.5 | 5473.2 | 5128.8 | 4829.5 | 4452.2 | 4150.7 | 3782.5 | 3398.5 | 3102.6 |
| 60°   | 7468.9 | 7386.5 | 7276.9 | 7083.8 | 6810.5 | 6403.9 | 5988.3 | 5519.5 | 4959.3 | 4427.4 | 3922.5 |
| 62.5° | 8266.3 | 8237.0 | 8147.7 | 8014.5 | 7759.2 | 7438.5 | 7019.4 | 6504.4 | 5871.9 | 5225.9 | 4582.1 |
| 63°   | 8290.0 | 8252.8 | 8176.0 | 8040.4 | 7815.7 | 7505.1 | 7094.0 | 6593.6 | 5974.7 | 5316.2 | 4658.9 |
| 65°   | 7969.3 | 7954.6 | 7876.7 | 7728.7 | 7575.1 | 7337.9 | 7019.4 | 6589.1 | 6069.6 | 5447.3 | 4793.3 |
| 67.5° | 7068.0 | 7024.0 | 6904.2 | 6859.1 | 6751.8 | 6586.9 | 6344.0 | 6048.1 | 5676.5 | 5187.5 | 4622.8 |
| 70°   | 5978.1 | 5912.6 | 5762.4 | 5682.2 | 5551.2 | 5447.3 | 5299.3 | 5088.1 | 4858.8 | 4517.7 | 4096.5 |
| 72.5° | 4822.7 | 4687.2 | 4549.4 | 4340.4 | 4157.4 | 3972.2 | 3808.5 | 3659.4 | 3407.5 | 3269.7 | 2950.1 |
| 75°   | 3131.9 | 2885.7 | 2649.7 | 2333.4 | 2048.8 | 1796.9 | 1551.8 | 1427.6 | 1169.0 | 1063.9 | 913.7  |
| 77.5° | 1486.3 | 1348.5 | 1163.3 | 1019.9 | 836.9  | 683.3  | 557.9  | 419.0  | 328.7  | 257.5  | 196.5  |
| 80°   | 1199.5 | 1083.1 | 971.3  | 841.4  | 703.6  | 561.3  | 430.3  | 321.9  | 228.1  | 158.1  | 111.8  |
| 82.5° | 1069.6 | 943.1  | 805.3  | 716.1  | 622.3  | 509.4  | 417.9  | 341.1  | 251.9  | 184.1  | 125.4  |
| 85°   | 415.6  | 350.1  | 269.9  | 220.2  | 171.7  | 141.2  | 127.6  | 88.1   | 68.9   | 54.2   | 41.8   |
| 87.5° | 36.1   | 29.4   | 23.7   | 15.8   | 16.9   | 9.0    | 10.2   | 6.8    | 5.6    | 5.6    | 4.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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CATALOG NUMBER: VXM-F04-LED-E1-SL2-HSS-7060

**CANDELA DISTRIBUTION (continued):**

|       | 83°    | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    | 95°   | 105°  | 115°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3  | 238.3 | 238.3 | 238.3 |
| 2.5°  | 249.6  | 248.5  | 247.3  | 245.1  | 245.1  | 242.8  | 241.7  | 240.6  | 234.9 | 222.5 | 212.3 |
| 5°    | 262.0  | 259.8  | 257.5  | 254.1  | 251.9  | 248.5  | 246.2  | 242.8  | 230.4 | 206.7 | 186.4 |
| 7.5°  | 280.1  | 275.6  | 272.2  | 265.4  | 262.0  | 257.5  | 254.1  | 248.5  | 228.1 | 192.0 | 163.8 |
| 10°   | 301.6  | 293.7  | 288.0  | 280.1  | 273.3  | 267.7  | 262.0  | 254.1  | 225.9 | 176.2 | 143.4 |
| 12.5° | 327.5  | 318.5  | 307.2  | 298.2  | 289.1  | 281.2  | 273.3  | 263.2  | 222.5 | 162.6 | 127.6 |
| 15°   | 353.5  | 340.0  | 332.1  | 319.6  | 307.2  | 295.9  | 284.6  | 275.6  | 223.6 | 148.0 | 114.1 |
| 17.5° | 382.9  | 369.3  | 352.4  | 338.8  | 325.3  | 310.6  | 297.0  | 279.0  | 218.0 | 136.7 | 103.9 |
| 20°   | 411.1  | 391.9  | 376.1  | 359.2  | 340.0  | 321.9  | 304.9  | 289.1  | 213.5 | 125.4 | 94.9  |
| 22.5° | 441.6  | 419.0  | 398.7  | 377.2  | 353.5  | 333.2  | 312.9  | 292.5  | 205.6 | 115.2 | 87.0  |
| 25°   | 478.9  | 452.9  | 423.5  | 397.6  | 372.7  | 347.9  | 321.9  | 297.0  | 197.7 | 106.2 | 81.3  |
| 27.5° | 524.1  | 490.2  | 460.8  | 428.1  | 393.0  | 361.4  | 333.2  | 306.1  | 189.7 | 99.4  | 75.7  |
| 30°   | 581.7  | 542.1  | 500.3  | 458.6  | 421.3  | 385.1  | 345.6  | 311.7  | 181.8 | 92.6  | 70.0  |
| 32.5° | 658.5  | 608.8  | 557.9  | 509.4  | 459.7  | 413.4  | 371.6  | 327.5  | 177.3 | 87.0  | 64.4  |
| 35°   | 760.1  | 695.7  | 633.6  | 572.6  | 512.8  | 456.3  | 402.1  | 352.4  | 177.3 | 80.2  | 57.6  |
| 37.5° | 856.1  | 781.6  | 702.5  | 626.8  | 555.7  | 490.2  | 425.8  | 365.9  | 168.3 | 74.5  | 52.0  |
| 40°   | 960.0  | 870.8  | 778.2  | 689.0  | 603.1  | 521.8  | 448.4  | 379.5  | 160.4 | 67.8  | 46.3  |
| 42.5° | 1119.3 | 1006.3 | 885.5  | 781.6  | 678.8  | 578.3  | 486.8  | 405.5  | 150.2 | 61.0  | 40.7  |
| 45°   | 1328.2 | 1184.8 | 1042.5 | 916.0  | 785.0  | 661.8  | 553.4  | 452.9  | 148.0 | 55.3  | 35.0  |
| 47.5° | 1551.8 | 1382.4 | 1215.3 | 1053.8 | 900.2  | 756.7  | 626.8  | 506.0  | 148.0 | 49.7  | 30.5  |
| 50°   | 1774.3 | 1562.0 | 1383.6 | 1196.1 | 1023.3 | 853.9  | 699.1  | 561.3  | 149.1 | 45.2  | 24.8  |
| 52.5° | 1975.4 | 1748.4 | 1548.5 | 1331.6 | 1140.7 | 944.2  | 775.9  | 615.5  | 146.8 | 39.5  | 20.3  |
| 55°   | 2254.4 | 1987.8 | 1756.3 | 1516.8 | 1293.2 | 1071.8 | 881.0  | 696.9  | 148.0 | 35.0  | 16.9  |
| 57.5° | 2768.2 | 2455.4 | 2176.4 | 1862.4 | 1604.9 | 1319.2 | 1087.6 | 864.0  | 161.5 | 29.4  | 12.4  |
| 60°   | 3505.8 | 3099.2 | 2707.3 | 2324.4 | 1996.8 | 1656.9 | 1356.5 | 1093.3 | 189.7 | 23.7  | 9.0   |
| 62.5° | 4001.6 | 3469.6 | 3002.0 | 2579.6 | 2199.0 | 1843.2 | 1515.7 | 1216.4 | 208.9 | 19.2  | 5.6   |
| 63°   | 4052.4 | 3502.4 | 3032.5 | 2596.6 | 2208.0 | 1852.3 | 1522.5 | 1225.4 | 210.1 | 18.1  | 5.6   |
| 65°   | 4148.4 | 3558.8 | 3049.5 | 2600.0 | 2199.0 | 1839.8 | 1518.0 | 1224.3 | 212.3 | 14.7  | 4.5   |
| 67.5° | 4038.9 | 3471.9 | 2951.2 | 2502.8 | 2119.9 | 1766.4 | 1461.5 | 1179.1 | 211.2 | 10.2  | 3.4   |
| 70°   | 3611.9 | 3142.1 | 2684.7 | 2266.8 | 1918.9 | 1599.3 | 1330.5 | 1075.2 | 194.3 | 6.8   | 2.3   |
| 72.5° | 2651.9 | 2332.3 | 1977.6 | 1676.1 | 1445.7 | 1200.6 | 1024.4 | 807.5  | 150.2 | 4.5   | 1.1   |
| 75°   | 786.1  | 716.1  | 602.0  | 530.8  | 468.7  | 387.4  | 344.5  | 268.8  | 76.8  | 2.3   | 0.0   |
| 77.5° | 157.0  | 142.3  | 127.6  | 116.3  | 109.6  | 93.7   | 89.2   | 73.4   | 31.6  | 1.1   | 0.0   |
| 80°   | 82.4   | 67.8   | 57.6   | 50.8   | 44.0   | 36.1   | 30.5   | 24.8   | 5.6   | 0.0   | 0.0   |
| 82.5° | 79.1   | 53.1   | 38.4   | 31.6   | 27.1   | 21.5   | 16.9   | 12.4   | 3.4   | 0.0   | 0.0   |
| 85°   | 29.4   | 22.6   | 16.9   | 13.6   | 11.3   | 10.2   | 7.9    | 6.8    | 0.0   | 0.0   | 0.0   |
| 87.5° | 4.5    | 3.4    | 3.4    | 2.3    | 2.3    | 1.1    | 1.1    | 1.1    | 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°    | 238.3 | 238.3 | 238.3 | 238.3 | 238.3 | 238.3 | 238.3 |
| 2.5°  | 202.2 | 193.1 | 188.6 | 183.0 | 183.0 | 181.8 | 184.1 |
| 5°    | 168.3 | 155.9 | 146.8 | 140.0 | 141.2 | 137.8 | 138.9 |
| 7.5°  | 142.3 | 129.9 | 122.0 | 117.5 | 116.3 | 115.2 | 115.2 |
| 10°   | 123.1 | 111.8 | 105.0 | 101.6 | 100.5 | 100.5 | 100.5 |
| 12.5° | 109.6 | 98.3  | 92.6  | 90.4  | 90.4  | 89.2  | 89.2  |
| 15°   | 98.3  | 89.2  | 83.6  | 81.3  | 81.3  | 80.2  | 81.3  |
| 17.5° | 89.2  | 80.2  | 75.7  | 73.4  | 73.4  | 72.3  | 72.3  |
| 20°   | 81.3  | 73.4  | 68.9  | 65.5  | 65.5  | 64.4  | 65.5  |
| 22.5° | 74.5  | 66.6  | 61.0  | 58.7  | 57.6  | 56.5  | 57.6  |
| 25°   | 67.8  | 59.9  | 54.2  | 50.8  | 49.7  | 49.7  | 48.6  |
| 27.5° | 62.1  | 54.2  | 47.4  | 44.0  | 42.9  | 42.9  | 41.8  |
| 30°   | 56.5  | 47.4  | 40.7  | 37.3  | 36.1  | 36.1  | 36.1  |
| 32.5° | 50.8  | 40.7  | 35.0  | 31.6  | 30.5  | 30.5  | 30.5  |
| 35°   | 45.2  | 35.0  | 29.4  | 26.0  | 24.8  | 24.8  | 24.8  |
| 37.5° | 38.4  | 29.4  | 22.6  | 20.3  | 19.2  | 18.1  | 18.1  |
| 40°   | 32.8  | 22.6  | 16.9  | 14.7  | 12.4  | 12.4  | 12.4  |
| 42.5° | 27.1  | 18.1  | 12.4  | 9.0   | 7.9   | 6.8   | 7.9   |
| 45°   | 22.6  | 13.6  | 7.9   | 4.5   | 3.4   | 3.4   | 3.4   |
| 47.5° | 18.1  | 9.0   | 3.4   | 1.1   | 1.1   | 1.1   | 1.1   |
| 50°   | 13.6  | 5.6   | 1.1   | 0.0   | 0.0   | 1.1   | 1.1   |
| 52.5° | 10.2  | 3.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°   | 5.6   | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 3.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 2.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 63°   | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 1.1   | 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)