

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: P149303

Luminaire Tested: **VXS-F02-LED-E1-SL2-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P149303  
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-F02-LED-E1-SL2-HSS-8030  
Description: VISION SITE SMALL LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (14) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2555 lumens  
Efficiency: N/A  
Efficacy: 46.5 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

Input Watts (W): 55  
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

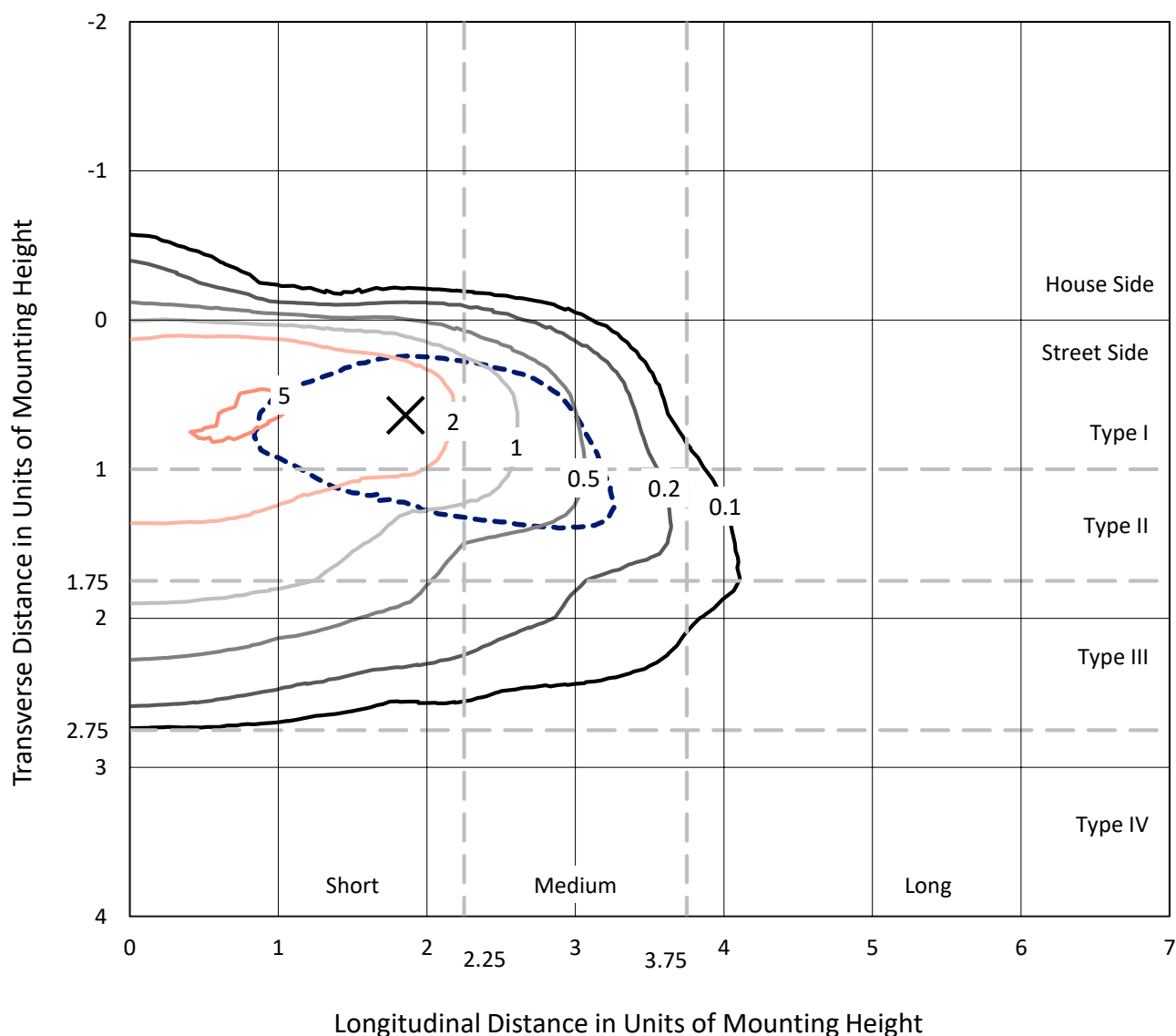


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

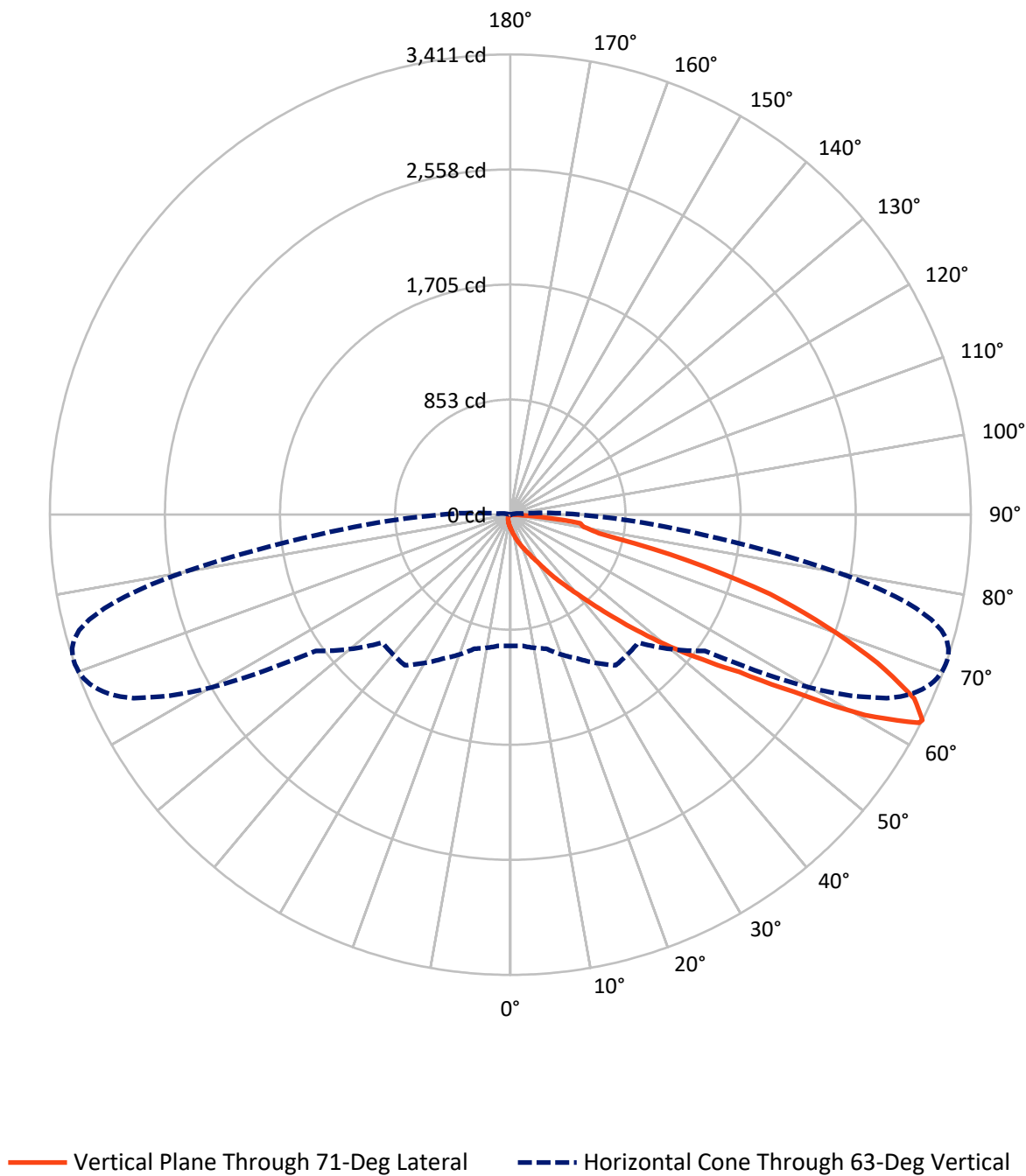


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type II - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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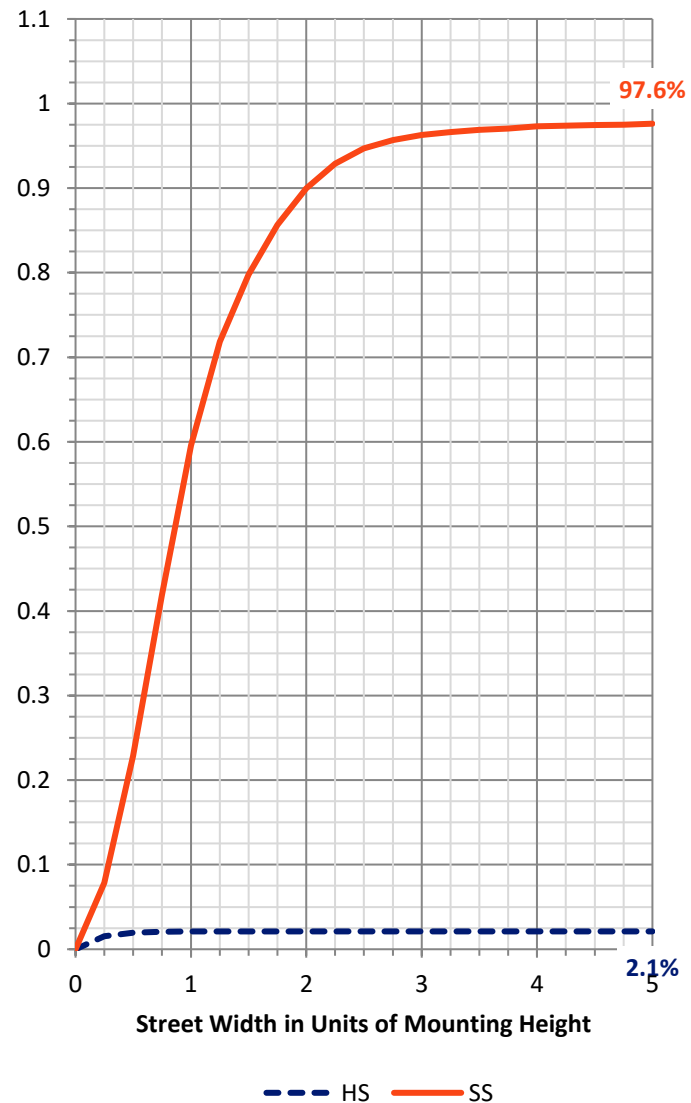
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 54.2     | 0.0    | 54.2   |
|                    | % Fixture | 2.1      | 0.0    | 2.1    |
| <b>Street Side</b> | Lumens    | 2500.8   | 0.0    | 2500.8 |
|                    | % Fixture | 97.9     | 0.0    | 97.9   |
| <b>Total</b>       | Lumens    | 2555.0   | 0.0    | 2555.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 10.8   | 0.4       |
| 10°-20°   | 42.0   | 1.6       |
| 20°-30°   | 85.3   | 3.3       |
| 30°-40°   | 208.5  | 8.2       |
| 40°-50°   | 466.2  | 18.2      |
| 50°-60°   | 655.6  | 25.7      |
| 60°-70°   | 770.9  | 30.2      |
| 70°-80°   | 278.4  | 10.9      |
| 80°-90°   | 37.2   | 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°    | 2555.0 | 100.0     |
| 0°-180°   | 2555.0 | 100.0     |

**Coefficient of Utilization**



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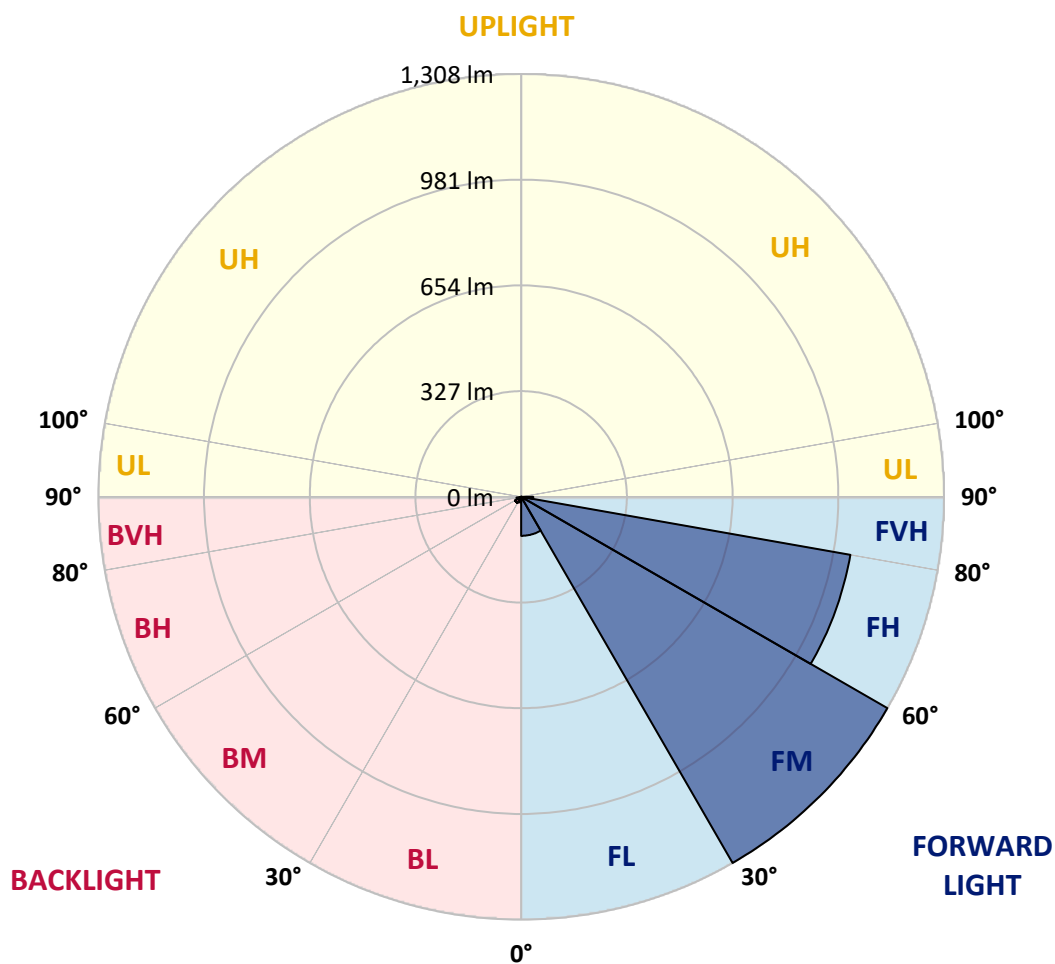
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 120.7  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 1308.5 | 51.2      |                         |      |         |
| FH   | (60°-80°)   | 1034.4 | 40.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 37.1   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 17.4   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 21.8   | 0.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 14.9   | 0.6       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.1    | 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-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   |
| 2.5°  | 128.2  | 129.6  | 128.7  | 126.3  | 123.5  | 119.8  | 116.6  | 116.6  | 116.2  | 114.7  | 115.2  |
| 5°    | 168.2  | 168.6  | 166.7  | 161.1  | 156.1  | 148.2  | 139.4  | 138.4  | 137.5  | 136.1  | 135.6  |
| 7.5°  | 207.2  | 209.0  | 207.2  | 201.1  | 190.9  | 178.9  | 164.9  | 163.5  | 160.7  | 160.7  | 158.9  |
| 10°   | 247.2  | 247.2  | 245.3  | 238.2  | 229.0  | 211.8  | 194.2  | 191.8  | 188.6  | 187.7  | 184.9  |
| 12.5° | 275.4  | 275.4  | 274.5  | 270.8  | 263.3  | 248.1  | 226.6  | 224.4  | 220.2  | 218.8  | 215.5  |
| 15°   | 286.6  | 286.6  | 287.0  | 290.3  | 290.8  | 283.8  | 261.6  | 259.7  | 255.4  | 251.7  | 250.4  |
| 17.5° | 293.6  | 293.1  | 293.1  | 297.7  | 306.1  | 310.8  | 296.4  | 294.5  | 289.8  | 288.0  | 283.3  |
| 20°   | 308.9  | 308.0  | 305.2  | 305.2  | 313.1  | 329.3  | 329.3  | 328.8  | 323.7  | 322.4  | 320.0  |
| 22.5° | 331.6  | 330.7  | 322.4  | 315.4  | 319.1  | 339.6  | 358.5  | 357.6  | 355.8  | 354.0  | 352.5  |
| 25°   | 368.8  | 365.6  | 351.2  | 330.7  | 327.5  | 349.3  | 380.9  | 383.2  | 384.6  | 384.6  | 385.5  |
| 27.5° | 425.0  | 420.8  | 395.2  | 357.2  | 342.8  | 365.1  | 405.5  | 410.2  | 414.3  | 415.2  | 419.5  |
| 30°   | 503.0  | 495.6  | 459.0  | 403.2  | 370.2  | 388.3  | 441.8  | 446.8  | 452.8  | 454.7  | 461.2  |
| 32.5° | 631.2  | 627.0  | 591.7  | 508.2  | 437.5  | 433.8  | 492.3  | 498.9  | 506.7  | 510.1  | 517.9  |
| 35°   | 826.3  | 827.3  | 798.4  | 723.2  | 625.7  | 574.6  | 582.9  | 588.5  | 591.3  | 601.0  | 605.2  |
| 37.5° | 958.8  | 961.0  | 967.6  | 937.8  | 868.1  | 816.1  | 750.6  | 756.7  | 742.3  | 743.6  | 744.1  |
| 40°   | 1031.2 | 1038.5 | 1076.7 | 1105.5 | 1099.9 | 1069.7 | 1017.2 | 1020.5 | 993.6  | 987.5  | 958.2  |
| 42.5° | 1079.5 | 1089.2 | 1150.1 | 1239.3 | 1284.8 | 1312.2 | 1300.1 | 1298.8 | 1277.8 | 1269.9 | 1245.3 |
| 45°   | 1109.6 | 1118.4 | 1195.1 | 1326.6 | 1431.6 | 1511.5 | 1544.5 | 1548.2 | 1530.5 | 1522.6 | 1502.2 |
| 47.5° | 1108.3 | 1118.4 | 1200.7 | 1359.1 | 1513.8 | 1641.6 | 1734.4 | 1739.1 | 1749.7 | 1742.8 | 1744.1 |
| 50°   | 1046.9 | 1056.7 | 1139.4 | 1303.8 | 1489.6 | 1700.9 | 1871.0 | 1885.8 | 1903.0 | 1914.6 | 1920.2 |
| 52.5° | 972.6  | 979.6  | 1053.0 | 1209.1 | 1386.5 | 1676.4 | 1951.8 | 1977.3 | 2002.9 | 2024.7 | 2040.0 |
| 55°   | 945.3  | 953.2  | 1010.8 | 1140.3 | 1303.8 | 1573.3 | 1989.4 | 2027.0 | 2063.3 | 2099.1 | 2128.3 |
| 57.5° | 959.6  | 967.0  | 1008.4 | 1107.8 | 1254.6 | 1464.6 | 2000.1 | 2058.7 | 2118.0 | 2176.2 | 2233.8 |
| 60°   | 1012.5 | 1020.5 | 1055.8 | 1138.0 | 1241.6 | 1401.9 | 1958.3 | 2055.3 | 2154.3 | 2255.5 | 2350.8 |
| 62.5° | 991.7  | 994.9  | 1046.9 | 1191.0 | 1334.5 | 1348.4 | 1806.4 | 1942.1 | 2093.0 | 2249.0 | 2402.8 |
| 63°   | 971.7  | 975.4  | 1028.4 | 1176.6 | 1362.8 | 1340.5 | 1759.5 | 1902.6 | 2061.9 | 2230.1 | 2397.2 |
| 65°   | 881.1  | 881.6  | 922.0  | 1039.1 | 1331.2 | 1354.4 | 1550.5 | 1687.0 | 1870.1 | 2071.6 | 2283.0 |
| 67.5° | 657.7  | 654.5  | 693.5  | 782.7  | 1045.1 | 1354.9 | 1330.8 | 1407.4 | 1534.7 | 1713.5 | 1903.0 |
| 70°   | 233.2  | 228.1  | 291.2  | 414.8  | 651.2  | 1108.3 | 1143.6 | 1148.7 | 1183.9 | 1280.6 | 1399.5 |
| 72.5° | 75.8   | 77.1   | 92.8   | 151.9  | 300.1  | 746.0  | 1035.3 | 1019.6 | 1010.3 | 1009.8 | 1025.6 |
| 75°   | 30.2   | 30.7   | 37.2   | 67.4   | 134.7  | 359.5  | 906.7  | 915.5  | 918.8  | 923.4  | 928.5  |
| 77.5° | 14.4   | 15.8   | 20.9   | 37.6   | 66.8   | 177.9  | 648.9  | 723.6  | 766.4  | 799.4  | 819.4  |
| 80°   | 5.1    | 6.0    | 11.6   | 23.2   | 31.1   | 81.8   | 341.9  | 412.4  | 475.1  | 556.0  | 625.7  |
| 82.5° | 0.0    | 0.0    | 2.3    | 16.3   | 17.2   | 33.0   | 140.3  | 164.5  | 188.1  | 243.8  | 313.1  |
| 85°   | 0.0    | 0.0    | 0.0    | 4.7    | 5.1    | 5.6    | 47.4   | 57.1   | 64.1   | 74.8   | 86.4   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 1.3    | 2.8    | 6.9    | 10.7   |
| 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):**

|       | 60°    | 61°    | 62°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   |
| 2.5°  | 114.3  | 113.8  | 113.8  | 112.8  | 112.4  | 111.5  | 111.0  | 109.6  | 109.1  | 109.1  | 109.1  |
| 5°    | 135.1  | 133.3  | 132.3  | 130.1  | 128.7  | 128.2  | 125.9  | 125.0  | 123.5  | 124.0  | 121.7  |
| 7.5°  | 158.3  | 155.1  | 153.8  | 150.5  | 149.5  | 146.3  | 145.4  | 143.1  | 141.7  | 138.9  | 137.9  |
| 10°   | 183.9  | 179.8  | 177.4  | 172.3  | 170.9  | 168.6  | 165.8  | 163.0  | 160.7  | 157.9  | 156.6  |
| 12.5° | 213.2  | 209.5  | 207.7  | 200.6  | 197.4  | 194.2  | 190.5  | 186.7  | 183.0  | 180.7  | 177.4  |
| 15°   | 247.6  | 241.6  | 239.7  | 233.2  | 227.6  | 223.4  | 218.3  | 213.7  | 210.9  | 206.2  | 203.0  |
| 17.5° | 281.5  | 275.4  | 274.1  | 264.2  | 258.2  | 255.4  | 249.8  | 243.8  | 238.8  | 234.1  | 229.0  |
| 20°   | 315.4  | 311.2  | 307.5  | 298.2  | 291.7  | 287.0  | 279.6  | 273.6  | 269.4  | 262.9  | 256.4  |
| 22.5° | 349.3  | 345.1  | 342.3  | 332.5  | 326.5  | 320.0  | 313.6  | 307.0  | 301.0  | 293.1  | 285.7  |
| 25°   | 384.1  | 381.3  | 380.0  | 371.1  | 365.6  | 359.5  | 353.1  | 345.6  | 338.1  | 329.3  | 321.5  |
| 27.5° | 420.4  | 421.2  | 418.5  | 416.7  | 410.6  | 406.4  | 396.2  | 391.1  | 385.5  | 374.8  | 365.1  |
| 30°   | 466.3  | 469.1  | 468.2  | 469.6  | 465.9  | 463.1  | 455.2  | 448.7  | 442.2  | 432.0  | 420.8  |
| 32.5° | 524.5  | 528.1  | 529.9  | 535.1  | 533.3  | 532.3  | 529.9  | 520.7  | 516.1  | 498.4  | 493.8  |
| 35°   | 614.1  | 612.2  | 620.1  | 624.2  | 622.4  | 621.5  | 618.7  | 613.6  | 608.0  | 595.4  | 583.8  |
| 37.5° | 730.7  | 732.5  | 735.3  | 726.9  | 721.3  | 720.9  | 712.5  | 707.5  | 699.5  | 685.6  | 671.6  |
| 40°   | 944.4  | 932.7  | 919.7  | 884.4  | 869.0  | 860.2  | 835.6  | 828.6  | 815.1  | 796.2  | 781.8  |
| 42.5° | 1222.1 | 1210.5 | 1171.4 | 1112.4 | 1080.8 | 1037.2 | 1017.2 | 992.6  | 973.6  | 942.5  | 925.7  |
| 45°   | 1498.0 | 1464.6 | 1459.9 | 1391.2 | 1352.1 | 1294.5 | 1258.8 | 1217.4 | 1174.2 | 1133.4 | 1103.6 |
| 47.5° | 1730.7 | 1723.2 | 1700.5 | 1658.7 | 1622.5 | 1574.2 | 1528.2 | 1464.6 | 1419.9 | 1361.9 | 1308.5 |
| 50°   | 1917.0 | 1916.5 | 1908.1 | 1883.9 | 1853.8 | 1814.7 | 1774.4 | 1720.5 | 1669.8 | 1598.8 | 1541.7 |
| 52.5° | 2056.3 | 2063.7 | 2066.5 | 2059.1 | 2047.5 | 2013.1 | 1992.6 | 1947.6 | 1904.9 | 1844.5 | 1782.7 |
| 55°   | 2158.4 | 2185.9 | 2199.8 | 2215.6 | 2212.3 | 2200.3 | 2199.4 | 2170.1 | 2150.6 | 2102.8 | 2059.1 |
| 57.5° | 2284.9 | 2329.8 | 2373.1 | 2449.7 | 2452.5 | 2479.5 | 2493.4 | 2507.4 | 2511.0 | 2492.0 | 2477.6 |
| 60°   | 2445.5 | 2537.5 | 2619.3 | 2779.5 | 2821.3 | 2887.3 | 2930.1 | 2976.5 | 3016.0 | 3019.2 | 3018.2 |
| 62.5° | 2558.9 | 2700.5 | 2832.4 | 3070.3 | 3151.6 | 3227.8 | 3284.9 | 3329.9 | 3357.3 | 3385.2 | 3398.2 |
| 63°   | 2562.2 | 2717.3 | 2857.5 | 3102.8 | 3188.3 | 3260.7 | 3315.0 | 3356.9 | 3385.7 | 3402.4 | 3410.8 |
| 65°   | 2483.6 | 2671.7 | 2839.0 | 3083.3 | 3163.6 | 3236.6 | 3264.9 | 3292.3 | 3306.2 | 3312.7 | 3288.1 |
| 67.5° | 2105.1 | 2289.0 | 2484.1 | 2757.2 | 2826.0 | 2913.3 | 2936.5 | 2950.5 | 2957.0 | 2955.5 | 2934.6 |
| 70°   | 1574.2 | 1728.4 | 1945.3 | 2257.4 | 2348.5 | 2433.9 | 2486.8 | 2509.6 | 2517.1 | 2514.7 | 2483.6 |
| 72.5° | 1099.0 | 1189.5 | 1368.4 | 1715.9 | 1839.9 | 1949.4 | 2014.9 | 2048.9 | 2055.9 | 2041.9 | 2013.1 |
| 75°   | 922.9  | 927.6  | 968.0  | 1157.9 | 1274.1 | 1391.2 | 1465.0 | 1486.3 | 1472.4 | 1430.2 | 1356.8 |
| 77.5° | 824.0  | 834.2  | 834.2  | 862.6  | 885.3  | 917.8  | 924.8  | 872.7  | 812.4  | 734.4  | 671.2  |
| 80°   | 691.2  | 726.9  | 752.0  | 773.0  | 775.2  | 768.7  | 751.5  | 722.3  | 675.9  | 616.4  | 550.5  |
| 82.5° | 419.9  | 490.5  | 519.3  | 627.0  | 680.0  | 715.8  | 713.0  | 674.0  | 638.7  | 576.9  | 520.7  |
| 85°   | 105.9  | 114.3  | 124.0  | 161.1  | 180.7  | 220.6  | 245.7  | 257.3  | 261.6  | 240.1  | 217.4  |
| 87.5° | 10.3   | 6.9    | 11.6   | 8.8    | 12.5   | 9.3    | 12.5   | 11.6   | 14.4   | 15.3   | 16.7   |
| 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°    | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   | 98.0   |
| 2.5°  | 108.2  | 107.8  | 107.3  | 106.8  | 106.3  | 105.9  | 105.0  | 105.0  | 104.0  | 103.6  | 103.1  |
| 5°    | 120.3  | 119.4  | 118.9  | 118.0  | 116.6  | 115.6  | 114.3  | 112.4  | 111.0  | 110.6  | 109.6  |
| 7.5°  | 135.6  | 133.3  | 132.3  | 131.0  | 129.1  | 126.3  | 124.5  | 123.1  | 120.7  | 119.4  | 116.6  |
| 10°   | 152.8  | 150.5  | 147.7  | 144.9  | 142.2  | 138.9  | 136.6  | 134.7  | 131.0  | 129.1  | 125.9  |
| 12.5° | 174.6  | 170.5  | 167.3  | 163.5  | 159.8  | 156.1  | 153.3  | 147.7  | 144.5  | 140.3  | 137.5  |
| 15°   | 197.0  | 193.3  | 189.5  | 184.9  | 179.3  | 173.3  | 170.5  | 165.4  | 161.1  | 154.7  | 151.0  |
| 17.5° | 223.8  | 216.9  | 211.3  | 205.8  | 200.6  | 195.1  | 189.5  | 181.7  | 175.5  | 170.1  | 162.6  |
| 20°   | 250.4  | 242.0  | 236.0  | 228.5  | 221.1  | 212.2  | 205.8  | 200.2  | 191.8  | 184.4  | 176.5  |
| 22.5° | 278.7  | 270.4  | 260.6  | 253.2  | 242.9  | 236.0  | 227.2  | 217.8  | 209.5  | 199.7  | 189.9  |
| 25°   | 313.1  | 304.2  | 293.1  | 283.3  | 271.7  | 262.0  | 251.3  | 240.6  | 230.4  | 219.3  | 206.7  |
| 27.5° | 355.3  | 346.0  | 334.0  | 322.4  | 307.0  | 294.9  | 284.8  | 270.4  | 257.3  | 243.4  | 229.0  |
| 30°   | 408.7  | 398.5  | 383.6  | 366.9  | 351.6  | 338.1  | 323.7  | 304.7  | 290.3  | 273.6  | 255.0  |
| 32.5° | 478.4  | 466.3  | 446.4  | 430.6  | 411.5  | 393.9  | 373.9  | 354.9  | 334.4  | 312.6  | 291.2  |
| 35°   | 566.2  | 555.0  | 531.8  | 508.6  | 487.7  | 466.8  | 441.8  | 419.9  | 391.1  | 364.7  | 337.2  |
| 37.5° | 657.2  | 637.3  | 616.0  | 590.9  | 564.9  | 539.7  | 509.1  | 478.9  | 445.9  | 417.1  | 382.7  |
| 40°   | 761.3  | 737.1  | 719.5  | 692.5  | 655.9  | 620.1  | 591.7  | 554.1  | 512.7  | 474.2  | 433.8  |
| 42.5° | 903.9  | 877.0  | 845.4  | 804.5  | 778.0  | 736.2  | 699.5  | 654.9  | 600.6  | 557.4  | 508.6  |
| 45°   | 1068.8 | 1032.1 | 1001.5 | 962.0  | 929.9  | 877.9  | 835.1  | 775.6  | 721.3  | 664.7  | 605.2  |
| 47.5° | 1256.9 | 1211.4 | 1166.8 | 1127.8 | 1076.7 | 1025.6 | 971.3  | 908.1  | 838.4  | 776.2  | 705.6  |
| 50°   | 1472.8 | 1408.3 | 1346.5 | 1296.4 | 1226.2 | 1167.3 | 1108.3 | 1037.2 | 960.1  | 888.6  | 808.2  |
| 52.5° | 1713.1 | 1638.2 | 1556.5 | 1479.4 | 1398.1 | 1322.4 | 1251.3 | 1169.6 | 1083.6 | 996.4  | 906.7  |
| 55°   | 2002.9 | 1946.6 | 1850.6 | 1752.5 | 1643.8 | 1542.6 | 1451.1 | 1349.8 | 1245.3 | 1130.6 | 1036.3 |
| 57.5° | 2456.7 | 2429.3 | 2348.9 | 2250.9 | 2109.2 | 1986.1 | 1831.0 | 1707.0 | 1555.5 | 1397.6 | 1276.0 |
| 60°   | 3071.7 | 3037.7 | 2992.7 | 2913.3 | 2800.8 | 2633.7 | 2462.7 | 2269.9 | 2039.6 | 1820.8 | 1613.2 |
| 62.5° | 3399.6 | 3387.6 | 3350.9 | 3296.1 | 3191.1 | 3059.2 | 2886.8 | 2675.0 | 2414.9 | 2149.2 | 1884.5 |
| 63°   | 3409.3 | 3394.0 | 3362.5 | 3306.7 | 3214.3 | 3086.5 | 2917.5 | 2711.7 | 2457.2 | 2186.3 | 1916.1 |
| 65°   | 3277.4 | 3271.4 | 3239.4 | 3178.5 | 3115.3 | 3017.8 | 2886.8 | 2709.8 | 2496.2 | 2240.2 | 1971.3 |
| 67.5° | 2906.7 | 2888.7 | 2839.4 | 2820.8 | 2776.7 | 2708.9 | 2609.0 | 2487.4 | 2334.5 | 2133.4 | 1901.1 |
| 70°   | 2458.5 | 2431.6 | 2369.8 | 2336.9 | 2283.0 | 2240.2 | 2179.4 | 2092.5 | 1998.2 | 1857.9 | 1684.7 |
| 72.5° | 1983.4 | 1927.7 | 1871.0 | 1785.1 | 1709.7 | 1633.6 | 1566.2 | 1505.0 | 1401.3 | 1344.7 | 1213.3 |
| 75°   | 1288.1 | 1186.7 | 1089.7 | 959.6  | 842.6  | 739.0  | 638.2  | 587.2  | 480.7  | 437.5  | 375.8  |
| 77.5° | 611.3  | 554.6  | 478.4  | 419.5  | 344.1  | 281.0  | 229.4  | 172.3  | 135.1  | 105.9  | 80.8   |
| 80°   | 493.3  | 445.5  | 399.5  | 346.0  | 289.3  | 230.9  | 177.0  | 132.3  | 93.8   | 65.1   | 46.0   |
| 82.5° | 439.9  | 387.9  | 331.2  | 294.5  | 256.0  | 209.5  | 171.8  | 140.3  | 103.6  | 75.8   | 51.6   |
| 85°   | 170.9  | 144.0  | 111.0  | 90.6   | 70.6   | 58.0   | 52.5   | 36.3   | 28.3   | 22.3   | 17.2   |
| 87.5° | 14.8   | 12.1   | 9.7    | 6.5    | 6.9    | 3.7    | 4.1    | 2.8    | 2.3    | 2.3    | 1.9    |
| 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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CATALOG NUMBER: VXS-F02-LED-E1-SL2-HSS-8030

**CANDELA DISTRIBUTION (continued):**

|       | 83°    | 84°    | 85°    | 86°    | 87°   | 88°   | 89°   | 90°   | 95°  | 105° | 115° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|------|------|------|
| 0°    | 98.0   | 98.0   | 98.0   | 98.0   | 98.0  | 98.0  | 98.0  | 98.0  | 98.0 | 98.0 | 98.0 |
| 2.5°  | 102.7  | 102.2  | 101.8  | 100.8  | 100.8 | 99.9  | 99.4  | 99.0  | 96.6 | 91.5 | 87.4 |
| 5°    | 107.8  | 106.8  | 105.9  | 104.6  | 103.6 | 102.2 | 101.2 | 99.9  | 94.7 | 85.0 | 76.7 |
| 7.5°  | 115.2  | 113.4  | 111.9  | 109.1  | 107.8 | 105.9 | 104.6 | 102.2 | 93.8 | 79.0 | 67.4 |
| 10°   | 124.0  | 120.7  | 118.4  | 115.2  | 112.4 | 110.1 | 107.8 | 104.6 | 92.8 | 72.4 | 59.0 |
| 12.5° | 134.7  | 131.0  | 126.3  | 122.6  | 118.9 | 115.6 | 112.4 | 108.2 | 91.5 | 66.8 | 52.5 |
| 15°   | 145.4  | 139.8  | 136.6  | 131.4  | 126.3 | 121.7 | 117.1 | 113.4 | 92.0 | 60.8 | 46.9 |
| 17.5° | 157.5  | 151.9  | 144.9  | 139.4  | 133.8 | 127.8 | 122.2 | 114.7 | 89.6 | 56.2 | 42.7 |
| 20°   | 169.1  | 161.1  | 154.7  | 147.7  | 139.8 | 132.3 | 125.4 | 118.9 | 87.8 | 51.6 | 39.1 |
| 22.5° | 181.7  | 172.3  | 163.9  | 155.1  | 145.4 | 137.0 | 128.7 | 120.3 | 84.6 | 47.4 | 35.8 |
| 25°   | 197.0  | 186.2  | 174.2  | 163.5  | 153.3 | 143.1 | 132.3 | 122.2 | 81.2 | 43.6 | 33.5 |
| 27.5° | 215.5  | 201.6  | 189.5  | 176.1  | 161.7 | 148.6 | 137.0 | 125.9 | 78.0 | 40.8 | 31.1 |
| 30°   | 239.2  | 223.0  | 205.8  | 188.6  | 173.3 | 158.3 | 142.2 | 128.2 | 74.8 | 38.1 | 28.8 |
| 32.5° | 270.8  | 250.4  | 229.4  | 209.5  | 189.0 | 170.1 | 152.8 | 134.7 | 73.0 | 35.8 | 26.4 |
| 35°   | 312.6  | 286.1  | 260.6  | 235.5  | 210.9 | 187.7 | 165.4 | 144.9 | 73.0 | 33.0 | 23.7 |
| 37.5° | 352.1  | 321.5  | 288.9  | 257.8  | 228.5 | 201.6 | 175.1 | 150.5 | 69.2 | 30.7 | 21.3 |
| 40°   | 394.8  | 358.1  | 320.0  | 283.3  | 248.1 | 214.6 | 184.4 | 156.1 | 65.9 | 27.9 | 19.1 |
| 42.5° | 460.3  | 413.9  | 364.1  | 321.5  | 279.2 | 237.8 | 200.2 | 166.7 | 61.8 | 25.1 | 16.7 |
| 45°   | 546.2  | 487.3  | 428.7  | 376.7  | 322.8 | 272.2 | 227.6 | 186.2 | 60.8 | 22.8 | 14.4 |
| 47.5° | 638.2  | 568.5  | 499.8  | 433.4  | 370.2 | 311.2 | 257.8 | 208.1 | 60.8 | 20.4 | 12.5 |
| 50°   | 729.7  | 642.4  | 569.0  | 491.9  | 420.8 | 351.2 | 287.6 | 230.9 | 61.3 | 18.5 | 10.3 |
| 52.5° | 812.4  | 719.1  | 636.8  | 547.7  | 469.1 | 388.3 | 319.1 | 253.2 | 60.4 | 16.3 | 8.4  |
| 55°   | 927.2  | 817.5  | 722.3  | 623.8  | 531.8 | 440.8 | 362.3 | 286.6 | 60.8 | 14.4 | 6.9  |
| 57.5° | 1138.4 | 1009.8 | 895.0  | 765.9  | 660.0 | 542.5 | 447.3 | 355.3 | 66.4 | 12.1 | 5.1  |
| 60°   | 1441.8 | 1274.6 | 1113.4 | 956.0  | 821.2 | 681.5 | 557.8 | 449.6 | 78.0 | 9.7  | 3.7  |
| 62.5° | 1645.7 | 1426.9 | 1234.6 | 1060.9 | 904.4 | 758.0 | 623.3 | 500.2 | 85.9 | 7.9  | 2.3  |
| 63°   | 1666.6 | 1440.4 | 1247.2 | 1067.9 | 908.1 | 761.8 | 626.1 | 503.9 | 86.4 | 7.5  | 2.3  |
| 65°   | 1706.1 | 1463.6 | 1254.1 | 1069.2 | 904.4 | 756.7 | 624.2 | 503.5 | 87.4 | 6.0  | 1.9  |
| 67.5° | 1661.0 | 1427.9 | 1213.7 | 1029.3 | 871.8 | 726.4 | 601.0 | 485.0 | 86.8 | 4.1  | 1.3  |
| 70°   | 1485.4 | 1292.2 | 1104.1 | 932.2  | 789.1 | 657.7 | 547.2 | 442.2 | 79.9 | 2.8  | 0.9  |
| 72.5° | 1090.7 | 959.2  | 813.4  | 689.3  | 594.5 | 493.8 | 421.2 | 332.1 | 61.8 | 1.9  | 0.4  |
| 75°   | 323.3  | 294.5  | 247.6  | 218.3  | 192.7 | 159.3 | 141.7 | 110.6 | 31.6 | 0.9  | 0.0  |
| 77.5° | 64.6   | 58.5   | 52.5   | 47.9   | 45.1  | 38.5  | 36.7  | 30.2  | 13.1 | 0.4  | 0.0  |
| 80°   | 33.9   | 27.9   | 23.7   | 20.9   | 18.1  | 14.8  | 12.5  | 10.3  | 2.3  | 0.0  | 0.0  |
| 82.5° | 32.5   | 21.9   | 15.8   | 13.1   | 11.2  | 8.8   | 6.9   | 5.1   | 1.3  | 0.0  | 0.0  |
| 85°   | 12.1   | 9.3    | 6.9    | 5.6    | 4.7   | 4.1   | 3.2   | 2.8   | 0.0  | 0.0  | 0.0  |
| 87.5° | 1.9    | 1.3    | 1.3    | 0.9    | 0.9   | 0.4   | 0.4   | 0.4   | 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°    | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 2.5°  | 83.1 | 79.4 | 77.6 | 75.2 | 75.2 | 74.8 | 75.8 |
| 5°    | 69.2 | 64.1 | 60.4 | 57.6 | 58.0 | 56.7 | 57.1 |
| 7.5°  | 58.5 | 53.4 | 50.2 | 48.3 | 47.9 | 47.4 | 47.4 |
| 10°   | 50.7 | 46.0 | 43.2 | 41.8 | 41.3 | 41.3 | 41.3 |
| 12.5° | 45.1 | 40.4 | 38.1 | 37.2 | 37.2 | 36.7 | 36.7 |
| 15°   | 40.4 | 36.7 | 34.4 | 33.5 | 33.5 | 33.0 | 33.5 |
| 17.5° | 36.7 | 33.0 | 31.1 | 30.2 | 30.2 | 29.7 | 29.7 |
| 20°   | 33.5 | 30.2 | 28.3 | 26.9 | 26.9 | 26.4 | 26.9 |
| 22.5° | 30.7 | 27.4 | 25.1 | 24.1 | 23.7 | 23.2 | 23.7 |
| 25°   | 27.9 | 24.7 | 22.3 | 20.9 | 20.4 | 20.4 | 20.0 |
| 27.5° | 25.6 | 22.3 | 19.5 | 18.1 | 17.6 | 17.6 | 17.2 |
| 30°   | 23.2 | 19.5 | 16.7 | 15.3 | 14.8 | 14.8 | 14.8 |
| 32.5° | 20.9 | 16.7 | 14.4 | 13.1 | 12.5 | 12.5 | 12.5 |
| 35°   | 18.5 | 14.4 | 12.1 | 10.7 | 10.3 | 10.3 | 10.3 |
| 37.5° | 15.8 | 12.1 | 9.3  | 8.4  | 7.9  | 7.5  | 7.5  |
| 40°   | 13.5 | 9.3  | 6.9  | 6.0  | 5.1  | 5.1  | 5.1  |
| 42.5° | 11.2 | 7.5  | 5.1  | 3.7  | 3.2  | 2.8  | 3.2  |
| 45°   | 9.3  | 5.6  | 3.2  | 1.9  | 1.3  | 1.3  | 1.3  |
| 47.5° | 7.5  | 3.7  | 1.3  | 0.4  | 0.4  | 0.4  | 0.4  |
| 50°   | 5.6  | 2.3  | 0.4  | 0.0  | 0.0  | 0.4  | 0.4  |
| 52.5° | 4.1  | 1.3  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 55°   | 2.3  | 0.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 57.5° | 1.3  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 60°   | 0.9  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 62.5° | 0.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 63°   | 0.4  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 65°   | 0.4  | 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)