

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: P151609

Luminaire Tested: **VXS-E05-LED-E1-SL4-HSS-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P151609  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-E05-LED-E1-SL4-HSS-7030  
Description: VISION SITE SMALL LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (105) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9292.5 lumens  
Efficiency: N/A  
Efficacy: 73.0 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G2

Input Watts (W): 127.3  
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

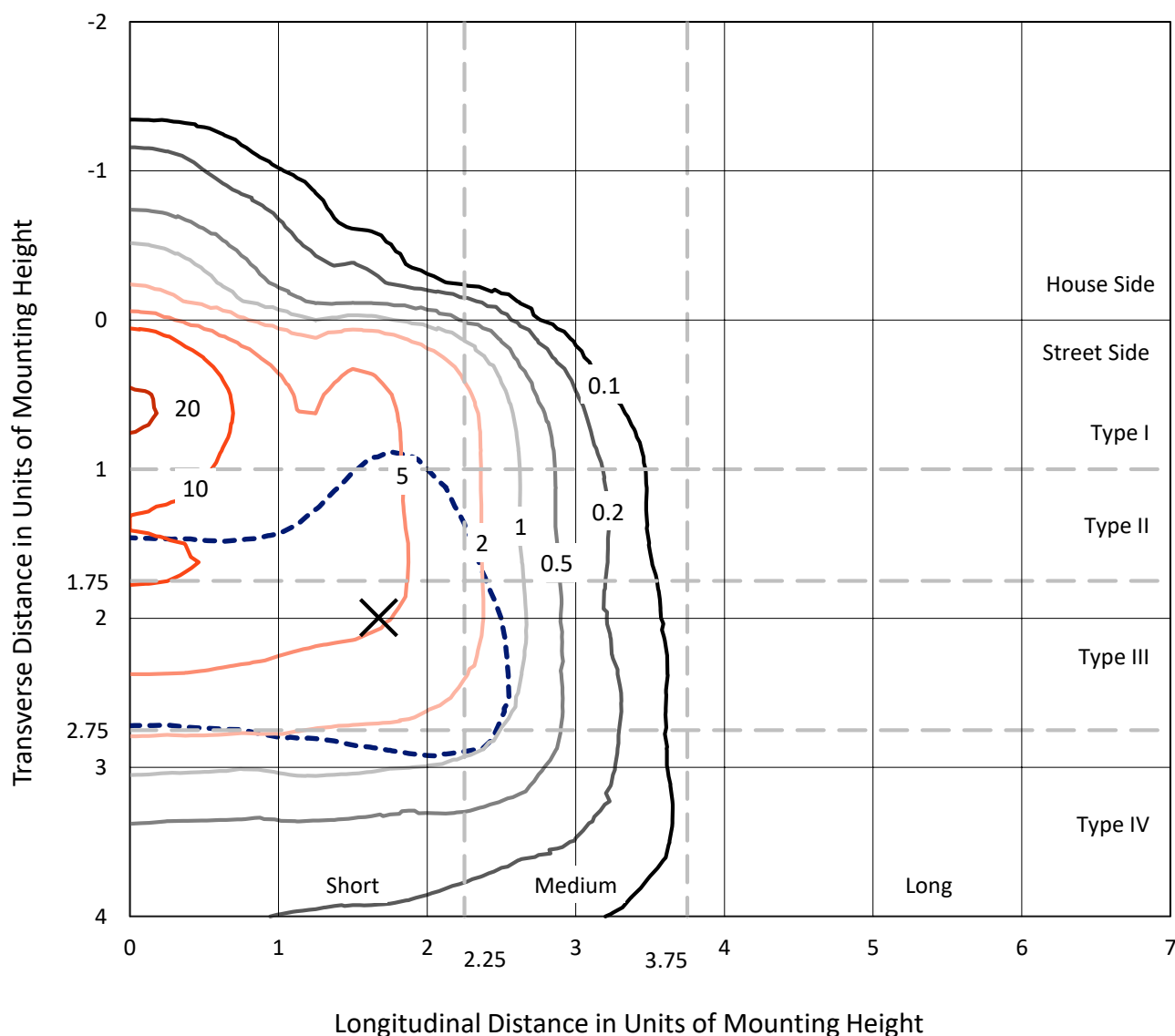


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

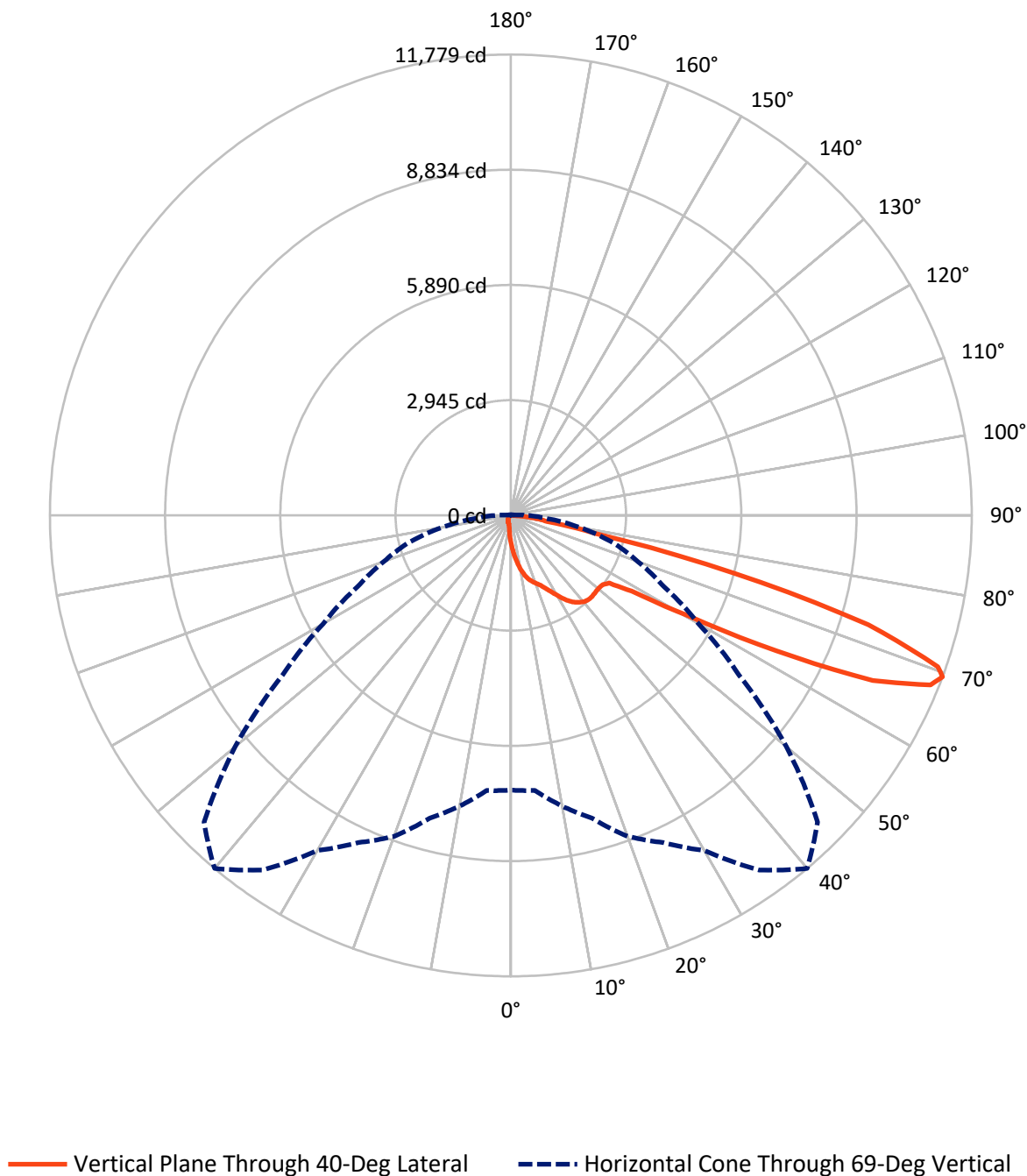


Based on 10 foot mounting height. Maximum calculated value = 20.8 fc  
 Type IV - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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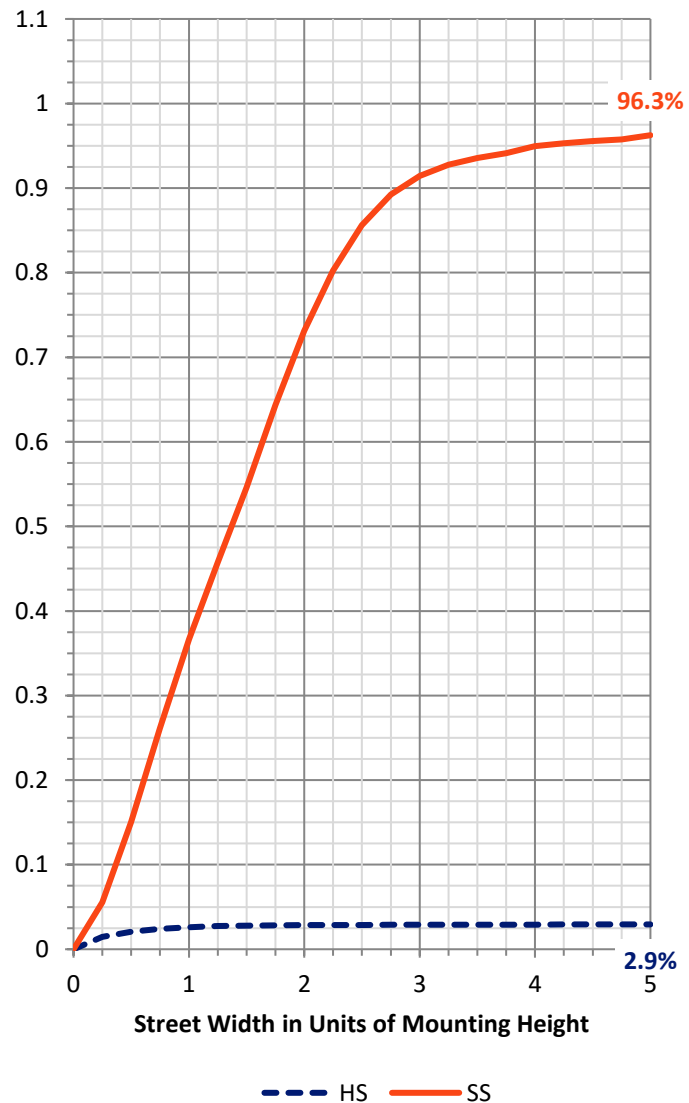
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 276.7    | 0.0    | 276.7  |
|                    | % Fixture | 3.0      | 0.0    | 3.0    |
| <b>Street Side</b> | Lumens    | 9015.7   | 0.0    | 9015.7 |
|                    | % Fixture | 97.0     | 0.0    | 97.0   |
| <b>Total</b>       | Lumens    | 9292.5   | 0.0    | 9292.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 72.1   | 0.8       |
| 10°-20°   | 248.7  | 2.7       |
| 20°-30°   | 476.0  | 5.1       |
| 30°-40°   | 791.6  | 8.5       |
| 40°-50°   | 1071.1 | 11.5      |
| 50°-60°   | 1675.1 | 18.0      |
| 60°-70°   | 3443.9 | 37.1      |
| 70°-80°   | 1385.8 | 14.9      |
| 80°-90°   | 128.2  | 1.4       |
| 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°    | 9292.5 | 100.0     |
| 0°-180°   | 9292.5 | 100.0     |

**Coefficient of Utilization**



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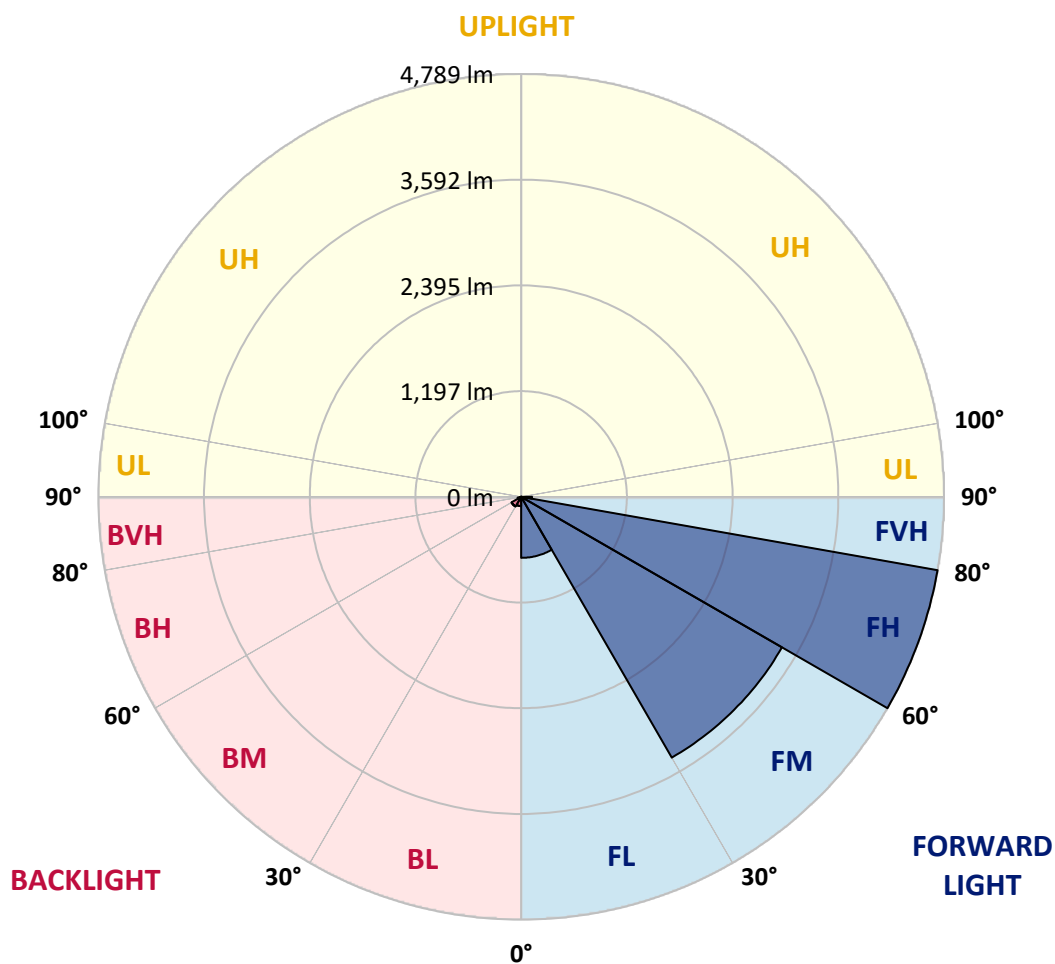
CATALOG NUMBER: VXS-E05-LED-E1-SL4-HSS-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 691.5  | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 3411.4 | 36.7      |                         |      |         |
| FH   | (60°-80°)   | 4789.4 | 51.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 123.4  | 1.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 105.2  | 1.1       | B0/110                  |      |         |
| BM   | (30°-60°)   | 126.3  | 1.4       | B0/220                  |      |         |
| BH   | (60°-80°)   | 40.4   | 0.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 4.8    | 0.1       |                         |      | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°     | 35°     | 40°     | 45°     | 50°    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|--------|
| 0°    | 701.8  | 701.8  | 701.8  | 701.8  | 701.8  | 701.8  | 701.8   | 701.8   | 701.8   | 701.8   | 701.8  |
| 2.5°  | 936.2  | 925.5  | 913.4  | 913.4  | 898.1  | 898.1  | 889.0   | 864.7   | 861.6   | 847.9   | 834.2  |
| 5°    | 1194.9 | 1185.8 | 1170.6 | 1156.9 | 1144.8 | 1123.4 | 1108.2  | 1079.3  | 1047.4  | 1016.9  | 989.4  |
| 7.5°  | 1447.7 | 1443.1 | 1415.6 | 1411.1 | 1391.3 | 1356.4 | 1325.9  | 1283.2  | 1228.5  | 1185.8  | 1135.6 |
| 10°   | 1682.1 | 1671.4 | 1665.4 | 1639.5 | 1610.6 | 1572.4 | 1525.3  | 1473.6  | 1409.6  | 1342.6  | 1271.1 |
| 12.5° | 1867.8 | 1861.8 | 1834.3 | 1823.6 | 1793.2 | 1755.1 | 1695.8  | 1628.8  | 1564.9  | 1478.1  | 1394.4 |
| 15°   | 2006.3 | 1995.6 | 1977.4 | 1960.6 | 1924.1 | 1890.7 | 1835.9  | 1762.8  | 1685.2  | 1590.8  | 1490.3 |
| 17.5° | 2122.0 | 2102.3 | 2097.6 | 2071.8 | 2033.7 | 1994.2 | 1933.3  | 1866.3  | 1774.9  | 1680.5  | 1571.0 |
| 20°   | 2277.3 | 2249.8 | 2240.7 | 2202.7 | 2158.5 | 2103.7 | 2033.7  | 1950.1  | 1854.1  | 1750.6  | 1637.9 |
| 22.5° | 2460.0 | 2440.2 | 2420.4 | 2386.8 | 2330.6 | 2253.0 | 2151.0  | 2059.6  | 1937.8  | 1823.6  | 1701.9 |
| 25°   | 2718.8 | 2702.0 | 2670.1 | 2624.4 | 2554.3 | 2461.5 | 2338.1  | 2204.2  | 2061.1  | 1915.0  | 1771.9 |
| 27.5° | 2969.9 | 2954.7 | 2931.8 | 2896.9 | 2817.7 | 2715.6 | 2563.4  | 2393.0  | 2211.8  | 2035.2  | 1876.9 |
| 30°   | 3205.9 | 3192.1 | 3169.3 | 3134.3 | 3064.2 | 2963.8 | 2791.8  | 2609.1  | 2383.8  | 2178.3  | 1988.1 |
| 32.5° | 3460.1 | 3455.5 | 3429.6 | 3379.4 | 3318.5 | 3183.0 | 2995.8  | 2799.4  | 2571.1  | 2333.6  | 2111.4 |
| 35°   | 3747.8 | 3712.7 | 3688.4 | 3638.1 | 3534.7 | 3390.1 | 3170.9  | 2956.2  | 2715.6  | 2472.1  | 2224.0 |
| 37.5° | 3991.3 | 3957.8 | 3927.4 | 3863.5 | 3737.1 | 3553.0 | 3304.8  | 3068.8  | 2820.7  | 2572.6  | 2319.9 |
| 40°   | 4169.4 | 4152.7 | 4116.2 | 4032.4 | 3890.9 | 3671.7 | 3403.7  | 3146.5  | 2896.9  | 2647.2  | 2397.5 |
| 42.5° | 4301.9 | 4276.0 | 4234.9 | 4148.1 | 3980.7 | 3731.0 | 3443.3  | 3178.4  | 2931.8  | 2692.8  | 2447.8 |
| 45°   | 4350.6 | 4329.3 | 4291.2 | 4196.9 | 4015.6 | 3747.8 | 3441.8  | 3169.3  | 2933.4  | 2706.5  | 2481.2 |
| 47.5° | 4321.7 | 4300.3 | 4266.8 | 4178.5 | 4000.5 | 3728.0 | 3414.4  | 3143.4  | 2918.1  | 2711.1  | 2511.7 |
| 50°   | 4225.8 | 4213.6 | 4187.7 | 4113.2 | 3953.3 | 3689.9 | 3390.1  | 3129.7  | 2915.1  | 2734.0  | 2554.3 |
| 52.5° | 4216.7 | 4209.0 | 4177.1 | 4102.5 | 3939.6 | 3677.7 | 3387.0  | 3137.4  | 2941.0  | 2762.9  | 2584.8 |
| 55°   | 5152.8 | 5044.8 | 4802.7 | 4597.2 | 4259.3 | 3857.4 | 3540.7  | 3260.6  | 3050.6  | 2877.1  | 2752.2 |
| 57.5° | 7323.5 | 7162.2 | 6844.0 | 6452.8 | 5676.5 | 4913.8 | 4303.4  | 3862.0  | 3644.2  | 3565.1  | 3612.3 |
| 60°   | 8340.4 | 8311.5 | 8261.2 | 8075.5 | 7678.2 | 7022.2 | 6291.5  | 5501.5  | 5184.8  | 5157.4  | 5253.3 |
| 62.5° | 8823.0 | 8804.7 | 8819.9 | 8797.1 | 8673.8 | 8482.0 | 8271.9  | 7930.9  | 7617.3  | 7414.9  | 6985.6 |
| 65°   | 9045.2 | 9057.4 | 9144.1 | 9212.6 | 9227.9 | 9278.1 | 9431.8  | 9856.6  | 10167.2 | 9645.0  | 8453.1 |
| 67.5° | 8480.4 | 8552.0 | 8751.4 | 9001.0 | 9293.4 | 9576.5 | 10033.2 | 10928.2 | 11566.0 | 10952.6 | 9259.9 |
| 69°   | 7020.6 | 7055.6 | 7542.8 | 8013.2 | 8727.0 | 9226.3 | 9888.5  | 11062.2 | 11779.2 | 11086.5 | 9196.0 |
| 70°   | 5527.3 | 5559.3 | 6081.3 | 6720.7 | 7927.9 | 8570.3 | 9436.5  | 10835.3 | 11579.8 | 10908.5 | 8867.2 |
| 72.5° | 2493.5 | 2447.8 | 2632.0 | 2974.5 | 4286.6 | 5306.5 | 6821.2  | 8778.9  | 9553.7  | 8739.3  | 6634.0 |
| 75°   | 1741.5 | 1721.7 | 1741.5 | 1743.0 | 1946.9 | 2511.7 | 3169.3  | 4758.5  | 5885.0  | 5078.2  | 3169.3 |
| 77.5° | 1348.7 | 1335.0 | 1321.3 | 1306.1 | 1330.5 | 1490.3 | 1554.2  | 1688.2  | 2192.0  | 2073.3  | 1208.7 |
| 80°   | 1067.0 | 1054.9 | 1088.4 | 1077.7 | 1077.7 | 1096.1 | 1083.8  | 1033.6  | 939.3   | 870.8   | 779.4  |
| 82.5° | 496.3  | 499.3  | 499.3  | 542.0  | 653.1  | 762.7  | 797.6   | 747.5   | 663.7   | 564.8   | 455.1  |
| 85°   | 47.2   | 53.3   | 89.8   | 138.5  | 275.5  | 310.6  | 312.0   | 258.8   | 258.8   | 203.9   | 164.4  |
| 87.5° | 0.0    | 1.6    | 1.6    | 1.6    | 13.7   | 38.0   | 31.9    | 9.1     | 4.6     | 4.6     | 7.6    |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°   | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 701.8  | 701.8  | 701.8  | 701.8  | 701.8  | 701.8  | 701.8  | 701.8 | 701.8 | 701.8 | 701.8 |
| 2.5°  | 809.8  | 805.3  | 787.0  | 768.7  | 752.0  | 733.7  | 717.0  | 700.2 | 682.0 | 668.3 | 651.5 |
| 5°    | 946.8  | 913.4  | 875.3  | 838.8  | 802.2  | 764.1  | 724.6  | 689.5 | 653.1 | 619.6 | 587.6 |
| 7.5°  | 1085.4 | 1019.9 | 968.2  | 902.7  | 843.3  | 783.9  | 729.1  | 672.8 | 621.0 | 572.3 | 526.7 |
| 10°   | 1202.6 | 1123.4 | 1042.7 | 959.1  | 873.8  | 794.6  | 718.5  | 651.5 | 583.0 | 523.6 | 467.4 |
| 12.5° | 1298.4 | 1198.0 | 1099.1 | 994.0  | 898.1  | 797.6  | 703.3  | 622.6 | 542.0 | 474.9 | 417.1 |
| 15°   | 1385.3 | 1269.5 | 1150.8 | 1029.0 | 907.3  | 793.1  | 688.1  | 587.6 | 505.4 | 429.3 | 363.8 |
| 17.5° | 1455.2 | 1322.8 | 1188.9 | 1051.9 | 920.9  | 787.0  | 668.3  | 563.2 | 467.4 | 388.2 | 324.2 |
| 20°   | 1516.2 | 1377.6 | 1233.1 | 1079.3 | 930.1  | 785.5  | 651.5  | 532.7 | 433.9 | 350.2 | 287.7 |
| 22.5° | 1572.4 | 1434.0 | 1278.7 | 1114.3 | 943.8  | 783.9  | 636.3  | 509.9 | 404.9 | 321.2 | 258.8 |
| 25°   | 1636.4 | 1490.3 | 1327.4 | 1150.8 | 968.2  | 790.1  | 627.2  | 491.7 | 379.1 | 293.8 | 236.0 |
| 27.5° | 1708.0 | 1554.2 | 1385.3 | 1196.5 | 1000.1 | 802.2  | 624.1  | 471.9 | 356.2 | 267.9 | 217.7 |
| 30°   | 1808.4 | 1630.4 | 1443.1 | 1242.2 | 1029.0 | 816.0  | 621.0  | 459.7 | 333.4 | 248.1 | 199.4 |
| 32.5° | 1896.7 | 1704.9 | 1507.0 | 1289.3 | 1061.0 | 829.6  | 619.6  | 443.0 | 312.0 | 228.3 | 185.7 |
| 35°   | 1989.5 | 1773.5 | 1561.9 | 1335.0 | 1088.4 | 844.9  | 618.0  | 430.8 | 292.2 | 208.5 | 172.0 |
| 37.5° | 2070.3 | 1831.3 | 1604.5 | 1374.6 | 1118.9 | 858.5  | 619.6  | 420.1 | 274.0 | 191.8 | 159.8 |
| 40°   | 2138.8 | 1890.7 | 1651.6 | 1411.1 | 1150.8 | 879.9  | 621.0  | 409.5 | 255.8 | 176.6 | 149.2 |
| 42.5° | 2199.7 | 1946.9 | 1701.9 | 1452.2 | 1187.4 | 904.2  | 630.3  | 400.3 | 240.5 | 162.9 | 138.5 |
| 45°   | 2246.8 | 1998.8 | 1756.7 | 1510.1 | 1246.7 | 943.8  | 646.9  | 394.3 | 225.3 | 150.7 | 129.4 |
| 47.5° | 2295.5 | 2074.8 | 1849.5 | 1601.5 | 1333.5 | 1006.2 | 675.9  | 392.7 | 213.2 | 141.6 | 121.8 |
| 50°   | 2362.5 | 2151.0 | 1931.7 | 1694.3 | 1412.6 | 1070.2 | 710.9  | 394.3 | 197.9 | 132.4 | 114.2 |
| 52.5° | 2411.3 | 2228.6 | 2038.3 | 1855.6 | 1601.5 | 1265.0 | 846.3  | 421.7 | 190.3 | 124.9 | 105.1 |
| 55°   | 2699.0 | 2666.9 | 2671.5 | 2702.0 | 2505.6 | 2152.4 | 1415.6 | 608.9 | 223.7 | 141.6 | 103.5 |
| 57.5° | 3805.6 | 3918.2 | 3983.7 | 3982.2 | 3657.9 | 3033.9 | 1901.2 | 782.5 | 249.6 | 164.4 | 123.3 |
| 60°   | 5260.9 | 5175.6 | 5055.4 | 4758.5 | 4327.8 | 3463.1 | 2126.6 | 841.8 | 216.2 | 130.9 | 112.6 |
| 62.5° | 6547.2 | 6047.9 | 5605.0 | 5123.9 | 4559.2 | 3612.3 | 2172.2 | 837.2 | 188.8 | 99.0  | 79.2  |
| 65°   | 7349.4 | 6451.3 | 5735.9 | 5133.1 | 4467.8 | 3487.5 | 2055.0 | 768.7 | 159.8 | 80.7  | 65.5  |
| 67.5° | 7541.2 | 6233.6 | 5221.3 | 4452.5 | 3732.5 | 2714.2 | 1508.6 | 578.4 | 124.9 | 66.9  | 57.8  |
| 69°   | 7122.6 | 5541.0 | 4326.2 | 3454.0 | 2715.6 | 1800.8 | 933.2  | 365.4 | 95.9  | 60.9  | 53.3  |
| 70°   | 6551.8 | 4819.5 | 3524.0 | 2772.0 | 2010.9 | 1265.0 | 653.1  | 257.3 | 77.6  | 56.4  | 48.7  |
| 72.5° | 4215.1 | 2531.5 | 1732.3 | 1205.6 | 829.6  | 503.8  | 255.8  | 115.6 | 59.4  | 47.2  | 39.6  |
| 75°   | 1634.9 | 936.2  | 679.0  | 516.1  | 403.4  | 280.1  | 155.2  | 74.6  | 50.3  | 39.6  | 30.5  |
| 77.5° | 805.3  | 616.5  | 503.8  | 345.6  | 200.9  | 124.9  | 83.7   | 57.8  | 41.1  | 28.9  | 19.8  |
| 80°   | 636.3  | 423.2  | 252.6  | 156.8  | 118.8  | 89.8   | 63.9   | 47.2  | 30.5  | 18.2  | 13.7  |
| 82.5° | 325.8  | 178.1  | 130.9  | 106.5  | 88.3   | 70.1   | 51.7   | 33.5  | 19.8  | 12.2  | 10.7  |
| 85°   | 102.0  | 74.6   | 66.9   | 65.5   | 60.9   | 50.3   | 36.6   | 21.3  | 12.2  | 7.6   | 7.6   |
| 87.5° | 7.6    | 10.7   | 13.7   | 10.7   | 12.2   | 10.7   | 13.7   | 9.1   | 6.1   | 6.1   | 4.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 701.8 | 701.8 | 701.8 | 701.8 | 701.8 | 701.8 | 701.8 | 701.8 | 701.8 | 701.8 | 701.8 |
| 2.5°  | 639.4 | 621.0 | 604.4 | 593.7 | 573.9 | 566.3 | 558.7 | 555.6 | 542.0 | 545.0 | 532.7 |
| 5°    | 558.7 | 526.7 | 502.4 | 478.0 | 455.1 | 438.4 | 424.7 | 408.0 | 394.3 | 388.2 | 376.0 |
| 7.5°  | 485.6 | 444.5 | 412.5 | 386.6 | 359.3 | 337.9 | 319.7 | 307.5 | 295.3 | 283.1 | 277.1 |
| 10°   | 421.7 | 377.5 | 340.9 | 315.1 | 289.2 | 271.0 | 257.3 | 248.1 | 240.5 | 236.0 | 234.4 |
| 12.5° | 362.3 | 319.7 | 286.2 | 263.3 | 243.5 | 234.4 | 228.3 | 223.7 | 222.3 | 220.7 | 220.7 |
| 15°   | 316.6 | 274.0 | 248.1 | 231.4 | 222.3 | 217.7 | 216.2 | 213.2 | 210.1 | 208.5 | 208.5 |
| 17.5° | 274.0 | 242.1 | 223.7 | 214.6 | 210.1 | 207.0 | 203.9 | 200.9 | 197.9 | 196.4 | 196.4 |
| 20°   | 245.1 | 219.2 | 210.1 | 203.9 | 199.4 | 196.4 | 191.8 | 188.8 | 187.3 | 185.7 | 184.1 |
| 22.5° | 222.3 | 205.5 | 199.4 | 194.8 | 188.8 | 184.1 | 181.1 | 178.1 | 175.0 | 173.6 | 172.0 |
| 25°   | 205.5 | 194.8 | 190.3 | 184.1 | 178.1 | 173.6 | 169.0 | 164.4 | 161.3 | 159.8 | 156.8 |
| 27.5° | 193.4 | 185.7 | 179.6 | 172.0 | 165.9 | 161.3 | 156.8 | 152.2 | 149.2 | 146.1 | 144.7 |
| 30°   | 182.7 | 175.0 | 167.5 | 161.3 | 153.8 | 149.2 | 143.1 | 138.5 | 137.0 | 134.0 | 130.9 |
| 32.5° | 172.0 | 164.4 | 156.8 | 149.2 | 141.6 | 135.4 | 132.4 | 126.3 | 123.3 | 121.8 | 118.8 |
| 35°   | 159.8 | 152.2 | 143.1 | 137.0 | 129.4 | 123.3 | 118.8 | 114.2 | 111.1 | 108.1 | 106.5 |
| 37.5° | 149.2 | 140.0 | 130.9 | 123.3 | 117.2 | 111.1 | 106.5 | 102.0 | 99.0  | 95.9  | 94.4  |
| 40°   | 137.0 | 127.9 | 118.8 | 111.1 | 105.1 | 100.5 | 95.9  | 91.3  | 88.3  | 86.7  | 86.7  |
| 42.5° | 126.3 | 115.6 | 106.5 | 100.5 | 95.9  | 89.8  | 85.3  | 80.7  | 79.2  | 77.6  | 79.2  |
| 45°   | 115.6 | 105.1 | 97.4  | 91.3  | 86.7  | 80.7  | 76.1  | 73.1  | 71.5  | 73.1  | 74.6  |
| 47.5° | 106.5 | 95.9  | 88.3  | 83.7  | 79.2  | 74.6  | 70.1  | 66.9  | 66.9  | 70.1  | 73.1  |
| 50°   | 97.4  | 86.7  | 80.7  | 77.6  | 73.1  | 68.5  | 62.4  | 60.9  | 62.4  | 65.5  | 68.5  |
| 52.5° | 88.3  | 76.1  | 71.5  | 70.1  | 65.5  | 60.9  | 56.4  | 54.8  | 56.4  | 59.4  | 57.8  |
| 55°   | 79.2  | 66.9  | 65.5  | 63.9  | 59.4  | 53.3  | 48.7  | 48.7  | 48.7  | 47.2  | 44.1  |
| 57.5° | 76.1  | 59.4  | 57.8  | 56.4  | 51.7  | 45.7  | 42.6  | 39.6  | 38.0  | 33.5  | 31.9  |
| 60°   | 79.2  | 53.3  | 53.3  | 50.3  | 45.7  | 39.6  | 35.0  | 30.5  | 27.4  | 24.4  | 24.4  |
| 62.5° | 63.9  | 48.7  | 47.2  | 44.1  | 38.0  | 31.9  | 27.4  | 22.8  | 21.3  | 19.8  | 19.8  |
| 65°   | 51.7  | 44.1  | 41.1  | 36.6  | 31.9  | 25.9  | 21.3  | 18.2  | 16.8  | 16.8  | 18.2  |
| 67.5° | 47.2  | 39.6  | 35.0  | 30.5  | 25.9  | 19.8  | 16.8  | 15.2  | 15.2  | 16.8  | 16.8  |
| 69°   | 44.1  | 36.6  | 31.9  | 27.4  | 22.8  | 18.2  | 15.2  | 15.2  | 15.2  | 15.2  | 16.8  |
| 70°   | 41.1  | 35.0  | 30.5  | 25.9  | 19.8  | 15.2  | 13.7  | 13.7  | 15.2  | 15.2  | 16.8  |
| 72.5° | 31.9  | 27.4  | 25.9  | 21.3  | 15.2  | 13.7  | 12.2  | 13.7  | 13.7  | 15.2  | 15.2  |
| 75°   | 24.4  | 19.8  | 19.8  | 16.8  | 12.2  | 10.7  | 10.7  | 12.2  | 12.2  | 13.7  | 13.7  |
| 77.5° | 16.8  | 13.7  | 13.7  | 12.2  | 10.7  | 9.1   | 9.1   | 10.7  | 12.2  | 12.2  | 13.7  |
| 80°   | 12.2  | 10.7  | 9.1   | 10.7  | 9.1   | 7.6   | 9.1   | 10.7  | 10.7  | 12.2  | 12.2  |
| 82.5° | 9.1   | 9.1   | 9.1   | 9.1   | 7.6   | 7.6   | 9.1   | 9.1   | 10.7  | 12.2  | 12.2  |
| 85°   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 9.1   | 9.1   | 10.7  | 10.7  |
| 87.5° | 4.6   | 4.6   | 4.6   | 6.1   | 6.1   | 7.6   | 7.6   | 7.6   | 7.6   | 9.1   | 9.1   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

REPORT NUMBER: P151609

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**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 701.8 | 701.8 | 701.8 | 701.8 |
| 2.5°  | 529.7 | 528.2 | 522.2 | 523.6 |
| 5°    | 371.4 | 362.3 | 368.4 | 366.8 |
| 7.5°  | 272.4 | 271.0 | 269.4 | 272.4 |
| 10°   | 233.0 | 233.0 | 231.4 | 233.0 |
| 12.5° | 219.2 | 219.2 | 219.2 | 219.2 |
| 15°   | 208.5 | 208.5 | 207.0 | 207.0 |
| 17.5° | 196.4 | 196.4 | 196.4 | 194.8 |
| 20°   | 184.1 | 182.7 | 182.7 | 182.7 |
| 22.5° | 170.5 | 169.0 | 169.0 | 169.0 |
| 25°   | 156.8 | 155.2 | 155.2 | 155.2 |
| 27.5° | 143.1 | 141.6 | 140.0 | 140.0 |
| 30°   | 129.4 | 127.9 | 126.3 | 126.3 |
| 32.5° | 115.6 | 114.2 | 112.6 | 112.6 |
| 35°   | 103.5 | 103.5 | 102.0 | 100.5 |
| 37.5° | 92.8  | 92.8  | 92.8  | 92.8  |
| 40°   | 85.3  | 86.7  | 86.7  | 86.7  |
| 42.5° | 80.7  | 82.2  | 83.7  | 85.3  |
| 45°   | 77.6  | 80.7  | 82.2  | 82.2  |
| 47.5° | 76.1  | 77.6  | 79.2  | 79.2  |
| 50°   | 70.1  | 68.5  | 68.5  | 68.5  |
| 52.5° | 56.4  | 53.3  | 51.7  | 50.3  |
| 55°   | 41.1  | 39.6  | 36.6  | 36.6  |
| 57.5° | 28.9  | 28.9  | 27.4  | 27.4  |
| 60°   | 22.8  | 22.8  | 21.3  | 22.8  |
| 62.5° | 19.8  | 19.8  | 19.8  | 19.8  |
| 65°   | 18.2  | 18.2  | 18.2  | 18.2  |
| 67.5° | 18.2  | 18.2  | 18.2  | 18.2  |
| 69°   | 16.8  | 16.8  | 16.8  | 16.8  |
| 70°   | 16.8  | 16.8  | 16.8  | 16.8  |
| 72.5° | 15.2  | 15.2  | 15.2  | 15.2  |
| 75°   | 13.7  | 15.2  | 15.2  | 15.2  |
| 77.5° | 13.7  | 13.7  | 13.7  | 13.7  |
| 80°   | 12.2  | 12.2  | 13.7  | 13.7  |
| 82.5° | 12.2  | 12.2  | 12.2  | 12.2  |
| 85°   | 10.7  | 10.7  | 12.2  | 12.2  |
| 87.5° | 9.1   | 9.1   | 10.7  | 10.7  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)