

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: P150476

Luminaire Tested: **VXS-F05-LED-E1-SL3-HSS-7050**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P150476  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-F05-LED-E1-SL3-HSS-7050  
Description: VISION SITE SMALL LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (35) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7343.3 lumens  
Efficiency: N/A  
Efficacy: 55.1 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

Input Watts (W): 133.3  
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

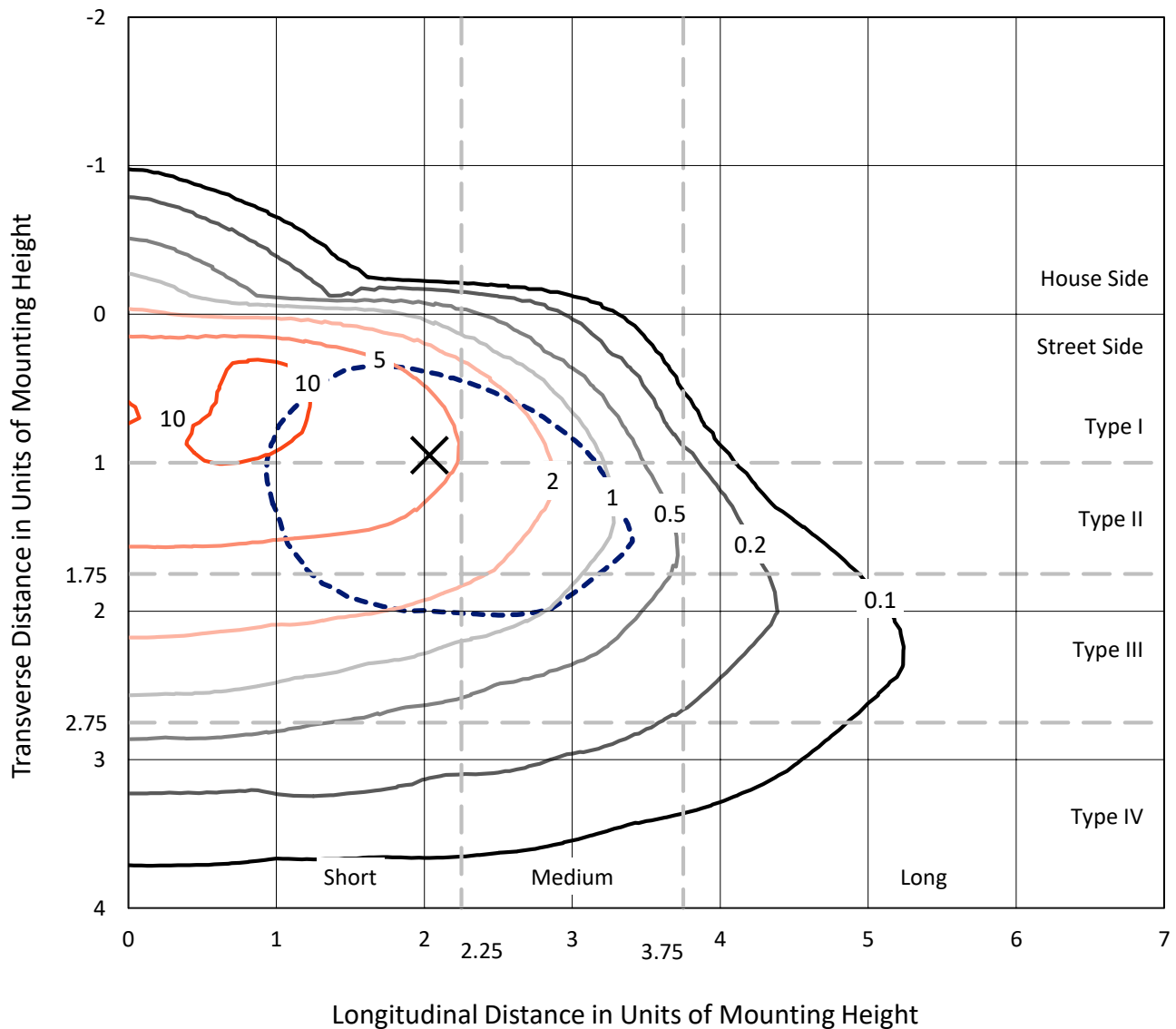


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

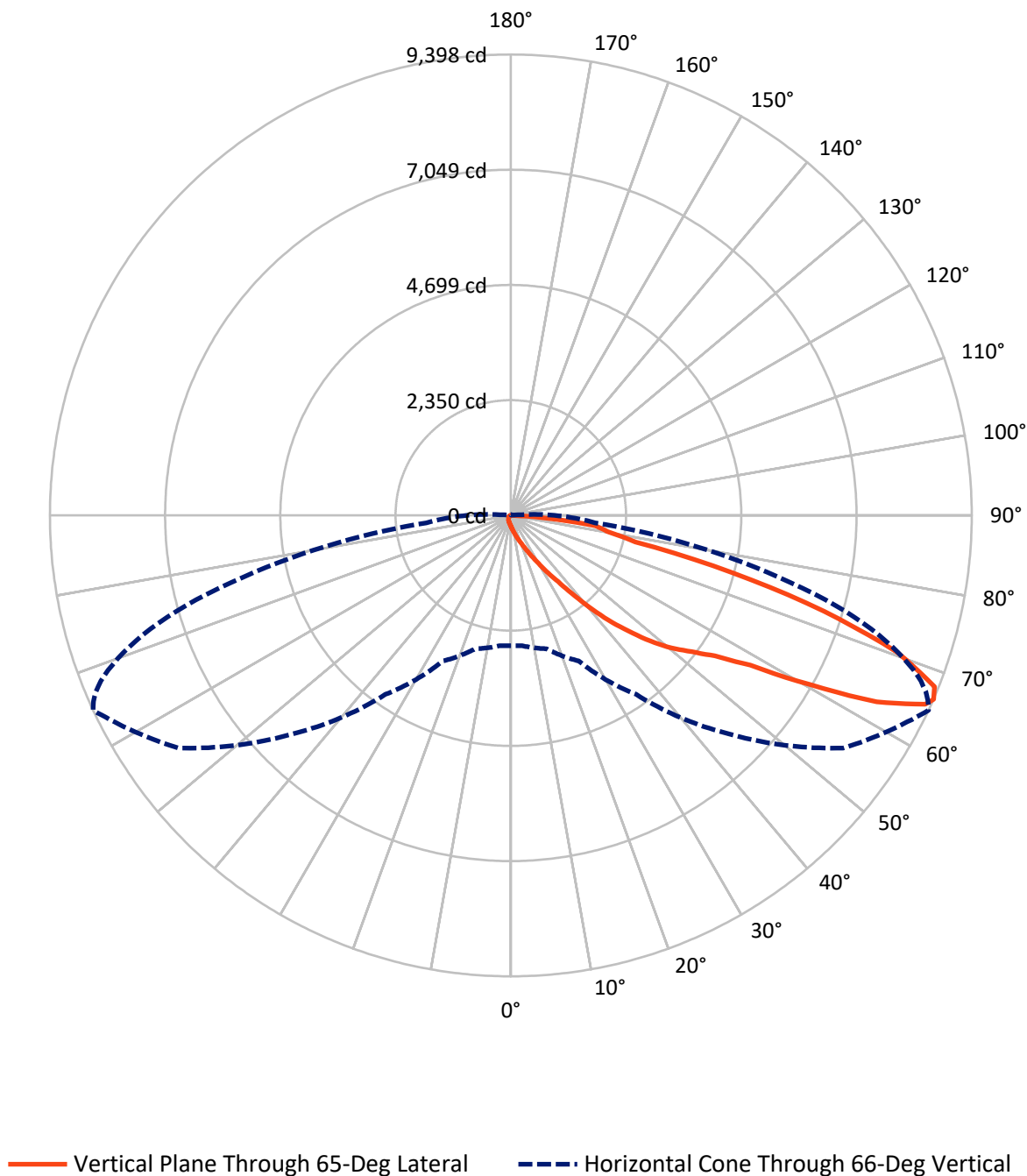


Based on 10 foot mounting height. Maximum calculated value = 12.1 fc  
Type III - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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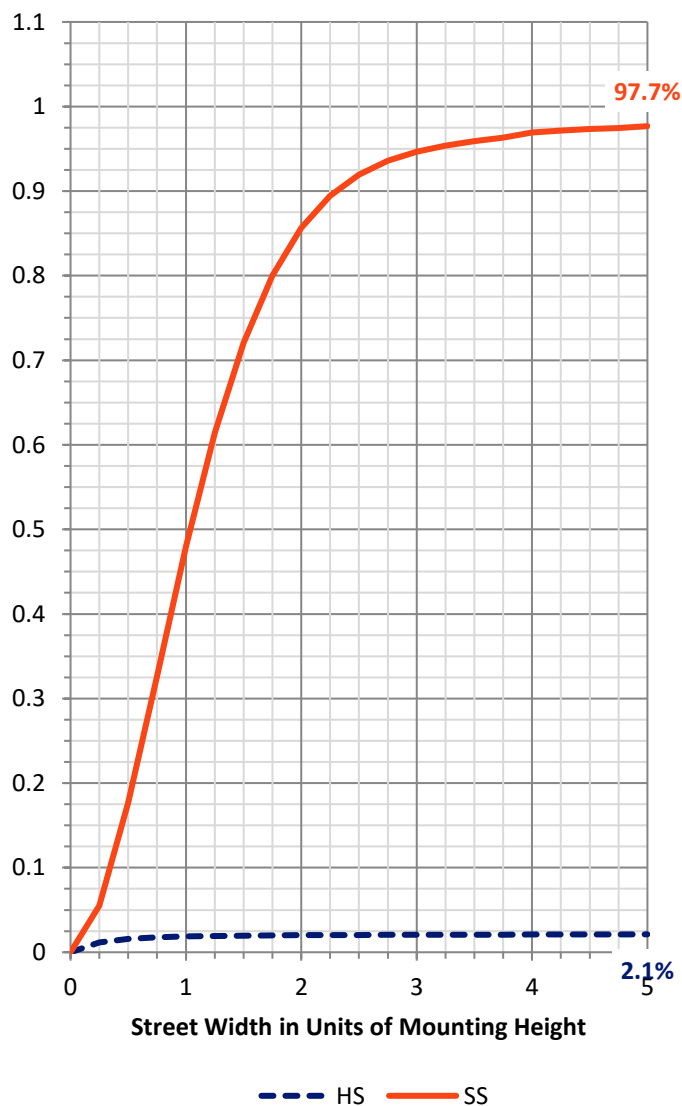
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 159.1    | 0.0    | 159.1  |
|                    | % Fixture | 2.2      | 0.0    | 2.2    |
| <b>Street Side</b> | Lumens    | 7184.2   | 0.0    | 7184.2 |
|                    | % Fixture | 97.8     | 0.0    | 97.8   |
| <b>Total</b>       | Lumens    | 7343.3   | 0.0    | 7343.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 24.8   | 0.3       |
| 10°-20°   | 105.2  | 1.4       |
| 20°-30°   | 226.9  | 3.1       |
| 30°-40°   | 484.6  | 6.6       |
| 40°-50°   | 1071.7 | 14.6      |
| 50°-60°   | 1816.1 | 24.7      |
| 60°-70°   | 2423.5 | 33.0      |
| 70°-80°   | 1067.5 | 14.5      |
| 80°-90°   | 123.0  | 1.7       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 7343.3 | 100.0     |
| 0°-180°   | 7343.3 | 100.0     |

**Coefficient of Utilization**



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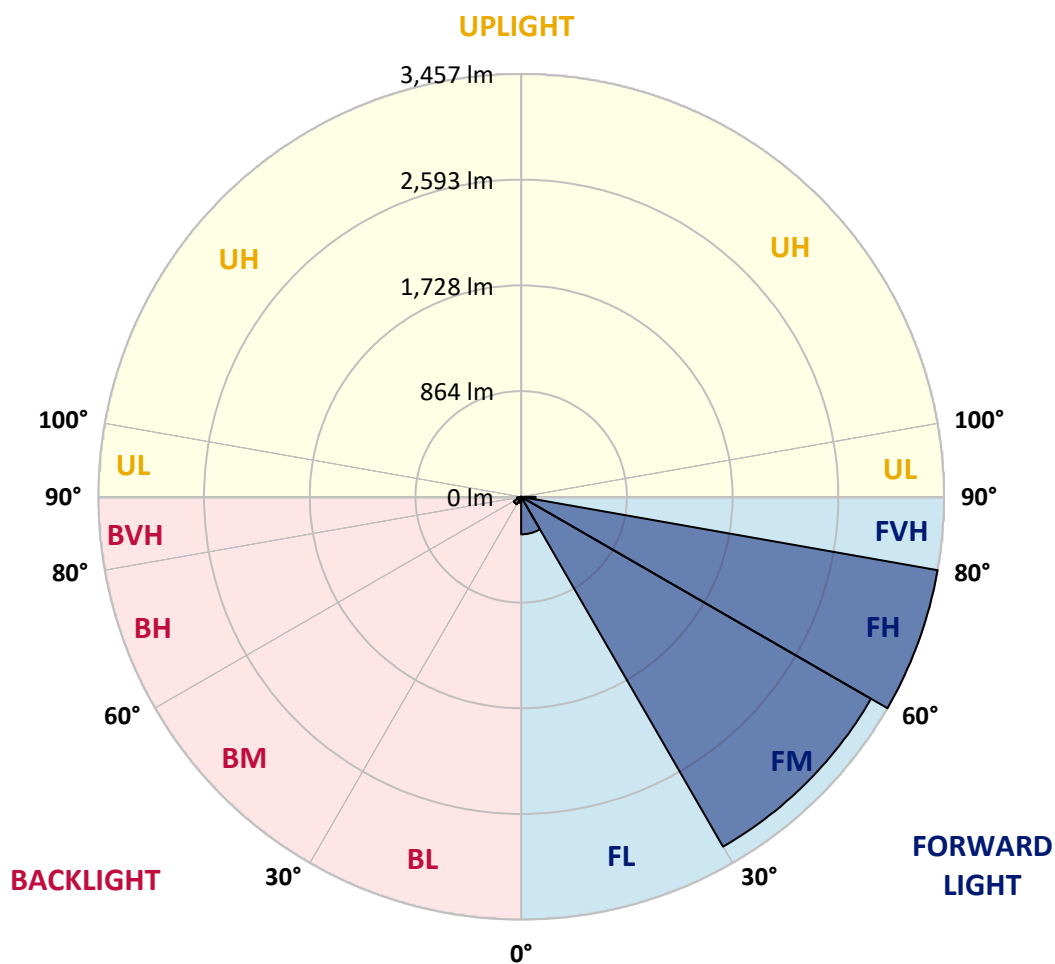
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 306.7  | 4.2       |                         |      |         |
| FM   | (30°-60°)   | 3302.6 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 3456.9 | 47.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 118.1  | 1.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 50.2   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 69.9   | 1.0       | B0/220                  |      |         |
| BH   | (60°-80°)   | 34.1   | 0.5       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 4.9    | 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 III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 67°    | 68°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  |
| 2.5°  | 279.6  | 278.1  | 272.4  | 272.4  | 264.0  | 258.3  | 251.3  | 244.2  | 244.2  | 242.8  | 241.5  |
| 5°    | 369.8  | 361.5  | 360.0  | 344.5  | 331.8  | 313.4  | 296.5  | 273.9  | 271.1  | 268.3  | 266.8  |
| 7.5°  | 470.2  | 468.7  | 456.0  | 437.6  | 412.2  | 378.3  | 344.5  | 307.8  | 302.1  | 299.3  | 293.7  |
| 10°   | 600.0  | 593.0  | 576.1  | 545.0  | 506.8  | 461.7  | 406.6  | 348.7  | 341.7  | 336.0  | 333.2  |
| 12.5° | 724.2  | 711.5  | 701.7  | 662.2  | 614.1  | 547.8  | 481.5  | 398.1  | 392.4  | 385.4  | 374.1  |
| 15°   | 840.0  | 828.7  | 811.8  | 777.9  | 724.2  | 640.9  | 563.3  | 461.7  | 447.6  | 437.6  | 429.2  |
| 17.5° | 930.4  | 923.3  | 903.5  | 865.4  | 807.6  | 734.1  | 640.9  | 526.6  | 515.3  | 502.6  | 487.0  |
| 20°   | 1016.5 | 1006.6 | 975.5  | 923.3  | 861.2  | 804.8  | 732.7  | 611.3  | 595.8  | 580.2  | 563.3  |
| 22.5° | 1098.3 | 1088.5 | 1037.6 | 951.5  | 885.2  | 861.2  | 835.8  | 707.4  | 683.3  | 670.6  | 653.7  |
| 25°   | 1212.7 | 1191.5 | 1112.5 | 975.5  | 886.6  | 905.0  | 948.7  | 831.5  | 808.9  | 790.6  | 763.7  |
| 27.5° | 1366.6 | 1338.3 | 1214.1 | 1010.9 | 892.2  | 953.0  | 1078.7 | 982.6  | 958.7  | 937.4  | 907.8  |
| 30°   | 1540.3 | 1521.9 | 1373.7 | 1095.5 | 933.2  | 1023.5 | 1224.0 | 1174.6 | 1146.4 | 1120.9 | 1085.7 |
| 32.5° | 1715.3 | 1689.9 | 1543.1 | 1256.5 | 1043.3 | 1160.5 | 1406.1 | 1397.7 | 1360.9 | 1337.0 | 1298.9 |
| 35°   | 1869.2 | 1856.5 | 1747.8 | 1520.5 | 1294.6 | 1400.5 | 1649.0 | 1658.9 | 1626.4 | 1600.9 | 1558.7 |
| 37.5° | 1973.7 | 1973.7 | 1952.5 | 1804.2 | 1694.2 | 1773.2 | 2006.1 | 2007.6 | 1975.1 | 1917.2 | 1896.1 |
| 40°   | 2027.4 | 2042.9 | 2119.1 | 2147.4 | 2141.7 | 2243.3 | 2474.9 | 2449.4 | 2422.6 | 2393.0 | 2322.4 |
| 42.5° | 2137.4 | 2151.6 | 2313.9 | 2508.7 | 2635.9 | 2769.9 | 2929.4 | 2921.0 | 2888.5 | 2834.9 | 2769.9 |
| 45°   | 2323.8 | 2342.2 | 2535.5 | 2844.8 | 3105.9 | 3296.6 | 3398.1 | 3358.7 | 3326.2 | 3275.3 | 3241.5 |
| 47.5° | 2561.0 | 2596.3 | 2815.1 | 3197.7 | 3512.5 | 3827.4 | 3933.3 | 3828.8 | 3800.5 | 3761.0 | 3705.9 |
| 50°   | 2813.7 | 2847.6 | 3080.5 | 3518.2 | 3874.0 | 4249.5 | 4426.0 | 4249.5 | 4208.6 | 4195.9 | 4133.7 |
| 52.5° | 3032.5 | 3060.7 | 3285.3 | 3765.3 | 4150.7 | 4591.2 | 4848.1 | 4615.1 | 4585.5 | 4543.1 | 4497.9 |
| 55°   | 3162.4 | 3185.0 | 3395.3 | 3883.8 | 4338.4 | 4899.0 | 5256.1 | 5051.4 | 5007.7 | 4990.7 | 4925.7 |
| 57.5° | 3206.2 | 3228.8 | 3417.9 | 3899.4 | 4440.1 | 5179.9 | 5751.6 | 5758.7 | 5706.4 | 5645.8 | 5626.0 |
| 60°   | 3206.2 | 3231.6 | 3391.1 | 3861.2 | 4539.0 | 5479.2 | 6412.3 | 7001.0 | 6888.2 | 6876.9 | 6804.9 |
| 62.5° | 3073.5 | 3097.5 | 3258.4 | 3744.0 | 4671.6 | 5882.9 | 7332.8 | 8371.9 | 8339.5 | 8266.0 | 8147.5 |
| 65°   | 2785.5 | 2799.6 | 2957.7 | 3444.8 | 4620.8 | 6254.2 | 8130.5 | 9283.9 | 9231.7 | 9087.7 | 8935.2 |
| 66°   | 2655.5 | 2666.8 | 2815.1 | 3274.0 | 4454.2 | 6305.1 | 8271.7 | 9398.3 | 9312.2 | 9190.8 | 9018.5 |
| 67.5° | 2467.8 | 2487.6 | 2592.0 | 2956.3 | 4054.7 | 6128.6 | 8182.8 | 9317.8 | 9243.0 | 9096.2 | 8923.9 |
| 70°   | 1647.6 | 1633.5 | 2002.0 | 2268.7 | 3089.0 | 4993.5 | 7341.3 | 8366.3 | 8367.7 | 8298.5 | 8229.3 |
| 72.5° | 782.2  | 790.6  | 897.9  | 1396.3 | 2021.7 | 3336.1 | 5843.4 | 6677.8 | 6773.8 | 6649.5 | 6563.4 |
| 75°   | 561.9  | 574.6  | 639.6  | 854.1  | 1205.7 | 2002.0 | 3787.9 | 4670.3 | 4673.1 | 4452.7 | 4256.6 |
| 77.5° | 163.7  | 170.8  | 240.0  | 526.6  | 903.5  | 1351.1 | 2175.5 | 2596.3 | 2535.5 | 2377.4 | 2229.2 |
| 80°   | 67.8   | 67.8   | 70.6   | 168.0  | 362.8  | 917.6  | 1521.9 | 1999.1 | 1992.0 | 1931.3 | 1843.8 |
| 82.5° | 25.4   | 26.8   | 33.9   | 69.2   | 86.1   | 225.9  | 1015.1 | 1735.1 | 1730.9 | 1644.8 | 1582.6 |
| 85°   | 2.8    | 2.8    | 8.5    | 29.6   | 32.4   | 42.4   | 203.3  | 765.2  | 760.9  | 765.2  | 670.6  |
| 87.5° | 0.0    | 0.0    | 1.5    | 2.8    | 4.2    | 5.6    | 8.5    | 29.6   | 32.4   | 31.1   | 28.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  |
| 2.5°  | 241.5  | 238.5  | 238.5  | 237.2  | 237.2  | 237.2  | 235.8  | 234.4  | 234.4  | 233.0  | 231.5  |
| 5°    | 264.0  | 261.1  | 259.8  | 257.0  | 255.5  | 254.1  | 251.3  | 249.8  | 247.0  | 245.7  | 244.2  |
| 7.5°  | 290.9  | 285.2  | 283.7  | 279.6  | 275.3  | 272.4  | 269.6  | 265.4  | 262.6  | 257.0  | 255.5  |
| 10°   | 324.7  | 317.6  | 312.0  | 306.3  | 302.1  | 295.0  | 290.9  | 285.2  | 279.6  | 275.3  | 271.1  |
| 12.5° | 368.5  | 358.5  | 350.2  | 344.5  | 334.6  | 326.1  | 317.6  | 313.4  | 302.1  | 296.5  | 289.4  |
| 15°   | 416.5  | 405.2  | 395.3  | 384.0  | 377.0  | 362.8  | 351.5  | 338.9  | 333.2  | 323.3  | 312.0  |
| 17.5° | 478.5  | 460.2  | 444.7  | 433.5  | 419.3  | 405.2  | 392.4  | 379.8  | 362.8  | 351.5  | 337.4  |
| 20°   | 545.0  | 529.4  | 508.3  | 488.5  | 471.5  | 454.6  | 436.3  | 419.3  | 403.7  | 385.4  | 368.5  |
| 22.5° | 629.6  | 607.0  | 581.7  | 561.9  | 539.3  | 520.9  | 495.5  | 473.0  | 447.6  | 423.5  | 403.7  |
| 25°   | 737.0  | 707.4  | 683.3  | 655.0  | 628.3  | 600.0  | 568.9  | 540.7  | 508.3  | 485.7  | 451.8  |
| 27.5° | 869.6  | 841.5  | 808.9  | 772.2  | 745.4  | 703.1  | 662.2  | 626.8  | 588.7  | 553.5  | 515.3  |
| 30°   | 1039.1 | 998.1  | 964.2  | 928.9  | 875.3  | 834.4  | 786.3  | 738.3  | 686.1  | 650.9  | 593.0  |
| 32.5° | 1242.4 | 1198.7 | 1147.8 | 1097.0 | 1047.6 | 989.6  | 930.4  | 871.1  | 813.2  | 748.3  | 688.9  |
| 35°   | 1490.9 | 1438.7 | 1380.7 | 1325.7 | 1249.4 | 1187.4 | 1112.5 | 1030.6 | 965.7  | 890.9  | 816.1  |
| 37.5° | 1819.8 | 1733.7 | 1682.9 | 1625.0 | 1521.9 | 1437.2 | 1353.9 | 1272.0 | 1157.7 | 1078.7 | 972.7  |
| 40°   | 2232.0 | 2181.2 | 2097.9 | 2004.8 | 1911.6 | 1800.0 | 1687.0 | 1578.3 | 1445.7 | 1335.5 | 1212.7 |
| 42.5° | 2716.3 | 2641.5 | 2556.8 | 2422.6 | 2328.1 | 2196.8 | 2068.3 | 1924.2 | 1762.0 | 1620.7 | 1476.7 |
| 45°   | 3170.9 | 3082.0 | 3017.0 | 2882.9 | 2784.0 | 2628.8 | 2473.5 | 2321.0 | 2133.3 | 1951.1 | 1784.5 |
| 47.5° | 3662.2 | 3588.8 | 3481.5 | 3372.7 | 3272.5 | 3097.5 | 2929.4 | 2744.6 | 2546.8 | 2330.9 | 2114.8 |
| 50°   | 4094.2 | 4036.3 | 3962.9 | 3831.6 | 3720.1 | 3573.3 | 3375.6 | 3173.7 | 2923.8 | 2709.2 | 2463.6 |
| 52.5° | 4461.2 | 4416.1 | 4313.1 | 4219.9 | 4119.6 | 3981.2 | 3804.8 | 3611.4 | 3341.8 | 3105.9 | 2826.4 |
| 55°   | 4894.7 | 4862.2 | 4771.8 | 4714.0 | 4625.1 | 4492.3 | 4327.2 | 4147.9 | 3862.7 | 3605.7 | 3289.4 |
| 57.5° | 5604.8 | 5579.4 | 5500.3 | 5476.4 | 5388.8 | 5273.1 | 5069.7 | 4877.7 | 4544.6 | 4225.5 | 3864.0 |
| 60°   | 6780.8 | 6730.1 | 6614.3 | 6554.9 | 6370.1 | 6214.7 | 5950.7 | 5686.7 | 5284.4 | 4877.7 | 4442.9 |
| 62.5° | 8040.2 | 7897.6 | 7677.3 | 7488.2 | 7225.6 | 6955.9 | 6603.0 | 6199.2 | 5727.7 | 5244.8 | 4745.1 |
| 65°   | 8719.3 | 8476.4 | 8198.2 | 7897.6 | 7557.3 | 7160.6 | 6715.9 | 6231.6 | 5724.9 | 5215.1 | 4687.2 |
| 66°   | 8796.9 | 8523.0 | 8228.0 | 7893.4 | 7514.9 | 7092.8 | 6641.0 | 6132.8 | 5606.2 | 5109.3 | 4581.2 |
| 67.5° | 8699.5 | 8412.8 | 8100.8 | 7729.5 | 7320.1 | 6882.5 | 6408.1 | 5880.1 | 5373.3 | 4869.2 | 4355.3 |
| 70°   | 8017.6 | 7732.4 | 7454.3 | 7063.2 | 6626.9 | 6186.4 | 5737.5 | 5147.4 | 4667.4 | 4204.4 | 3746.9 |
| 72.5° | 6402.5 | 6209.0 | 5933.8 | 5599.2 | 5174.2 | 4657.5 | 4283.4 | 3755.3 | 3338.9 | 2889.9 | 2535.5 |
| 75°   | 4001.0 | 3728.5 | 3388.3 | 2962.0 | 2637.2 | 2217.9 | 1999.1 | 1598.1 | 1360.9 | 1153.5 | 953.0  |
| 77.5° | 2045.7 | 1840.9 | 1602.4 | 1362.4 | 1132.2 | 903.5  | 698.9  | 494.1  | 333.2  | 231.5  | 172.2  |
| 80°   | 1689.9 | 1509.2 | 1311.6 | 1092.7 | 889.4  | 690.4  | 497.0  | 338.9  | 216.0  | 141.1  | 110.2  |
| 82.5° | 1396.3 | 1243.8 | 1067.4 | 864.0  | 687.6  | 542.2  | 377.0  | 245.7  | 152.4  | 98.9   | 77.6   |
| 85°   | 594.4  | 539.3  | 416.5  | 330.4  | 248.5  | 183.5  | 128.5  | 86.1   | 60.7   | 49.4   | 45.2   |
| 87.5° | 25.4   | 28.2   | 26.8   | 21.1   | 15.5   | 15.5   | 14.1   | 11.3   | 11.3   | 11.3   | 11.3   |
| 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):**

|       | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 95°   | 105°  | 115°  | 125°  | 135°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7  | 221.7 | 221.7 | 221.7 | 221.7 | 221.7 |
| 2.5°  | 231.5  | 230.2  | 228.7  | 228.7  | 227.3  | 225.9  | 217.4 | 210.4 | 201.9 | 196.3 | 190.6 |
| 5°    | 241.5  | 240.0  | 237.2  | 235.8  | 233.0  | 231.5  | 213.2 | 197.6 | 185.0 | 175.0 | 168.0 |
| 7.5°  | 251.3  | 249.8  | 245.7  | 241.5  | 240.0  | 237.2  | 207.6 | 187.8 | 170.8 | 159.5 | 152.4 |
| 10°   | 264.0  | 259.8  | 255.5  | 249.8  | 245.7  | 241.5  | 201.9 | 176.5 | 158.1 | 148.2 | 141.1 |
| 12.5° | 282.4  | 275.3  | 268.3  | 261.1  | 255.5  | 248.5  | 199.1 | 166.6 | 148.2 | 137.0 | 129.8 |
| 15°   | 303.5  | 293.7  | 285.2  | 276.7  | 266.8  | 259.8  | 193.4 | 158.1 | 139.8 | 128.5 | 120.0 |
| 17.5° | 323.3  | 312.0  | 299.3  | 286.6  | 276.7  | 266.8  | 187.8 | 149.6 | 131.3 | 120.0 | 111.5 |
| 20°   | 351.5  | 334.6  | 319.1  | 303.5  | 289.4  | 276.7  | 179.3 | 141.1 | 124.2 | 111.5 | 103.1 |
| 22.5° | 382.6  | 362.8  | 343.1  | 321.9  | 303.5  | 286.6  | 172.2 | 134.1 | 117.2 | 104.5 | 94.6  |
| 25°   | 422.2  | 398.1  | 371.3  | 344.5  | 323.3  | 300.7  | 165.2 | 127.0 | 110.2 | 97.4  | 87.6  |
| 27.5° | 477.2  | 443.3  | 413.7  | 379.8  | 347.3  | 321.9  | 159.5 | 121.5 | 103.1 | 90.4  | 80.5  |
| 30°   | 552.0  | 502.6  | 456.0  | 419.3  | 381.1  | 344.5  | 153.9 | 114.4 | 97.4  | 83.3  | 72.0  |
| 32.5° | 635.3  | 577.4  | 523.7  | 468.7  | 420.7  | 378.3  | 148.2 | 108.7 | 90.4  | 76.3  | 66.3  |
| 35°   | 738.3  | 665.0  | 593.0  | 529.4  | 471.5  | 415.0  | 142.6 | 103.1 | 84.7  | 69.2  | 59.3  |
| 37.5° | 886.6  | 794.8  | 700.2  | 618.3  | 543.5  | 468.7  | 138.3 | 97.4  | 77.6  | 62.1  | 52.2  |
| 40°   | 1089.9 | 971.3  | 855.5  | 744.0  | 646.6  | 553.5  | 132.7 | 91.8  | 72.0  | 56.5  | 46.6  |
| 42.5° | 1310.2 | 1166.1 | 1013.7 | 888.0  | 753.9  | 636.7  | 127.0 | 86.1  | 66.3  | 50.8  | 40.9  |
| 45°   | 1584.0 | 1404.8 | 1219.8 | 1048.9 | 885.2  | 734.1  | 121.5 | 80.5  | 59.3  | 45.2  | 35.3  |
| 47.5° | 1883.3 | 1654.6 | 1445.7 | 1231.1 | 1036.3 | 855.5  | 114.4 | 76.3  | 53.7  | 39.5  | 31.1  |
| 50°   | 2191.1 | 1949.6 | 1685.7 | 1441.5 | 1209.9 | 977.0  | 107.3 | 69.2  | 48.0  | 35.3  | 25.4  |
| 52.5° | 2522.9 | 2237.7 | 1968.1 | 1664.5 | 1394.8 | 1136.5 | 100.2 | 63.5  | 43.7  | 31.1  | 21.1  |
| 55°   | 2945.0 | 2625.9 | 2309.7 | 1969.4 | 1644.8 | 1321.5 | 93.2  | 56.5  | 38.1  | 26.8  | 16.9  |
| 57.5° | 3475.9 | 3097.5 | 2709.2 | 2325.2 | 1931.3 | 1564.2 | 87.6  | 49.4  | 32.4  | 22.6  | 14.1  |
| 60°   | 3977.0 | 3535.1 | 3065.0 | 2623.1 | 2178.4 | 1750.7 | 79.1  | 43.7  | 28.2  | 18.3  | 14.1  |
| 62.5° | 4236.8 | 3732.7 | 3225.9 | 2738.9 | 2264.6 | 1817.0 | 70.6  | 36.7  | 24.0  | 15.5  | 12.7  |
| 65°   | 4173.3 | 3659.4 | 3168.1 | 2676.8 | 2212.2 | 1774.6 | 62.1  | 32.4  | 21.1  | 14.1  | 12.7  |
| 66°   | 4081.5 | 3573.3 | 3079.2 | 2611.8 | 2168.5 | 1729.4 | 57.9  | 31.1  | 19.8  | 14.1  | 11.3  |
| 67.5° | 3881.0 | 3389.7 | 2918.1 | 2483.3 | 2048.5 | 1643.3 | 52.2  | 28.2  | 18.3  | 12.7  | 11.3  |
| 70°   | 3314.9 | 2868.8 | 2491.8 | 2105.0 | 1750.7 | 1385.0 | 42.4  | 24.0  | 15.5  | 11.3  | 11.3  |
| 72.5° | 2193.9 | 1890.4 | 1639.1 | 1410.4 | 1178.9 | 914.8  | 35.3  | 19.8  | 12.7  | 11.3  | 9.8   |
| 75°   | 827.4  | 748.3  | 642.4  | 577.4  | 504.0  | 441.9  | 28.2  | 12.7  | 9.8   | 9.8   | 9.8   |
| 77.5° | 146.8  | 135.5  | 120.0  | 110.2  | 101.7  | 93.2   | 22.6  | 8.5   | 8.5   | 9.8   | 9.8   |
| 80°   | 98.9   | 91.8   | 83.3   | 76.3   | 70.6   | 63.5   | 15.5  | 7.0   | 8.5   | 8.5   | 9.8   |
| 82.5° | 70.6   | 66.3   | 62.1   | 56.5   | 52.2   | 46.6   | 9.8   | 7.0   | 8.5   | 8.5   | 8.5   |
| 85°   | 42.4   | 39.5   | 36.7   | 33.9   | 29.6   | 28.2   | 7.0   | 7.0   | 7.0   | 8.5   | 8.5   |
| 87.5° | 11.3   | 9.8    | 11.3   | 11.3   | 8.5    | 9.8    | 5.6   | 5.6   | 5.6   | 7.0   | 7.0   |
| 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):**

|       | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 221.7 | 221.7 | 221.7 | 221.7 | 221.7 |
| 2.5°  | 187.8 | 187.8 | 185.0 | 189.2 | 189.2 |
| 5°    | 162.4 | 162.4 | 160.9 | 162.4 | 162.4 |
| 7.5°  | 148.2 | 146.8 | 146.8 | 146.8 | 148.2 |
| 10°   | 135.5 | 134.1 | 134.1 | 134.1 | 134.1 |
| 12.5° | 124.2 | 122.8 | 121.5 | 122.8 | 122.8 |
| 15°   | 114.4 | 111.5 | 111.5 | 111.5 | 111.5 |
| 17.5° | 105.9 | 103.1 | 101.7 | 101.7 | 101.7 |
| 20°   | 97.4  | 93.2  | 93.2  | 93.2  | 93.2  |
| 22.5° | 88.9  | 84.7  | 84.7  | 84.7  | 84.7  |
| 25°   | 80.5  | 76.3  | 76.3  | 76.3  | 76.3  |
| 27.5° | 73.4  | 69.2  | 69.2  | 69.2  | 69.2  |
| 30°   | 65.0  | 62.1  | 62.1  | 63.5  | 62.1  |
| 32.5° | 59.3  | 55.0  | 55.0  | 56.5  | 56.5  |
| 35°   | 52.2  | 49.4  | 49.4  | 49.4  | 49.4  |
| 37.5° | 45.2  | 42.4  | 42.4  | 42.4  | 42.4  |
| 40°   | 39.5  | 36.7  | 35.3  | 36.7  | 36.7  |
| 42.5° | 33.9  | 31.1  | 29.6  | 29.6  | 29.6  |
| 45°   | 29.6  | 25.4  | 24.0  | 25.4  | 25.4  |
| 47.5° | 24.0  | 21.1  | 21.1  | 22.6  | 22.6  |
| 50°   | 18.3  | 18.3  | 19.8  | 22.6  | 22.6  |
| 52.5° | 16.9  | 16.9  | 19.8  | 22.6  | 22.6  |
| 55°   | 15.5  | 16.9  | 19.8  | 21.1  | 22.6  |
| 57.5° | 14.1  | 16.9  | 19.8  | 21.1  | 21.1  |
| 60°   | 14.1  | 15.5  | 18.3  | 21.1  | 21.1  |
| 62.5° | 12.7  | 14.1  | 16.9  | 19.8  | 19.8  |
| 65°   | 12.7  | 14.1  | 16.9  | 19.8  | 19.8  |
| 66°   | 12.7  | 14.1  | 16.9  | 19.8  | 19.8  |
| 67.5° | 12.7  | 14.1  | 16.9  | 19.8  | 19.8  |
| 70°   | 12.7  | 14.1  | 16.9  | 18.3  | 18.3  |
| 72.5° | 11.3  | 12.7  | 15.5  | 18.3  | 18.3  |
| 75°   | 11.3  | 12.7  | 15.5  | 18.3  | 18.3  |
| 77.5° | 11.3  | 12.7  | 15.5  | 18.3  | 18.3  |
| 80°   | 11.3  | 12.7  | 15.5  | 16.9  | 18.3  |
| 82.5° | 9.8   | 12.7  | 14.1  | 16.9  | 16.9  |
| 85°   | 9.8   | 11.3  | 14.1  | 15.5  | 16.9  |
| 87.5° | 8.5   | 9.8   | 11.3  | 14.1  | 14.1  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)