

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: P670696

Luminaire Tested: **CCP-SA-1E-760-U-T2**

Issue Date: 04/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P670696  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-760-U-T2  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2  
distribution lens  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

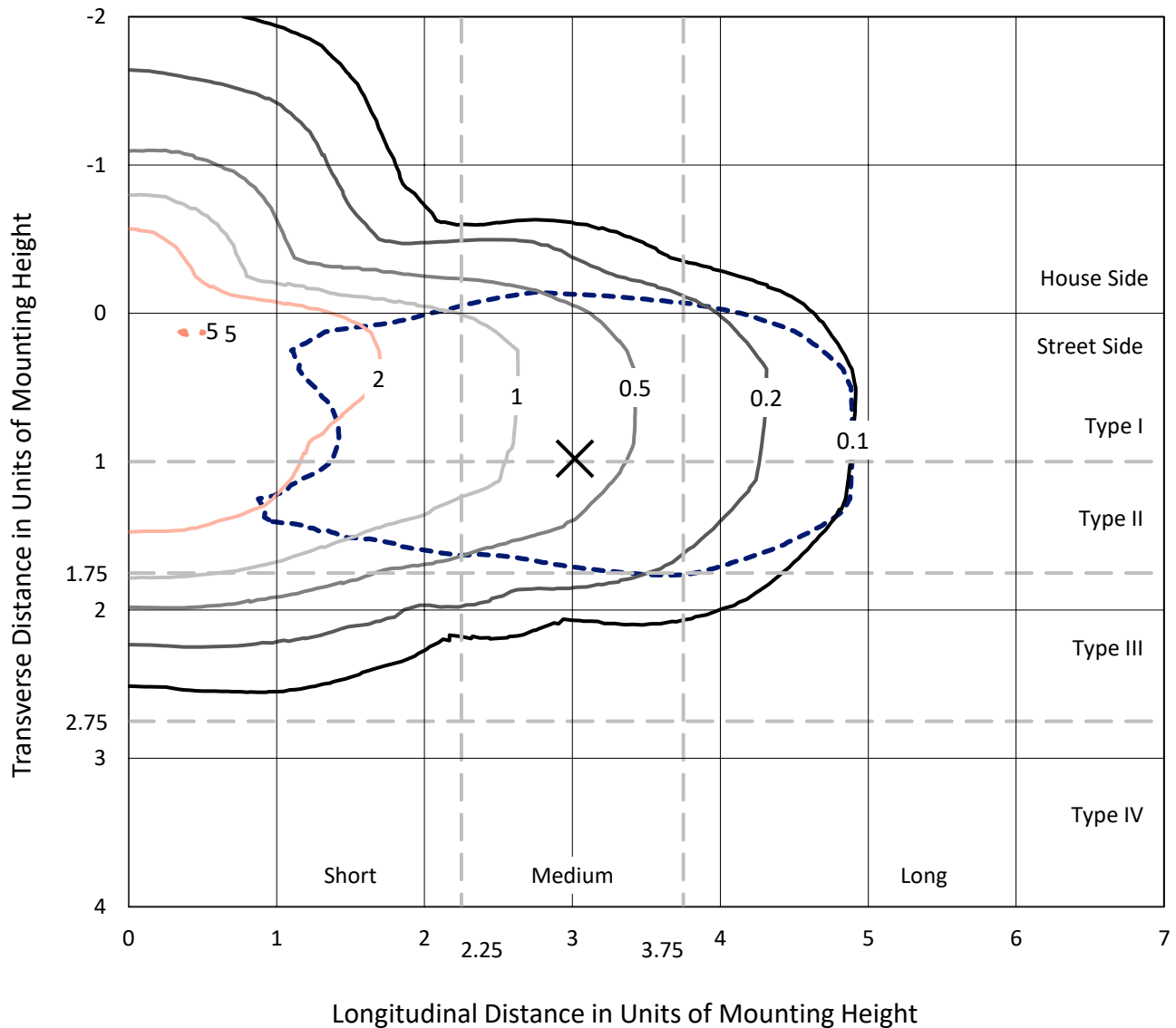
Lumens per Lamp: N/A  
Luminaire Lumens: 6976.2 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
Input Voltage (V): 120  
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

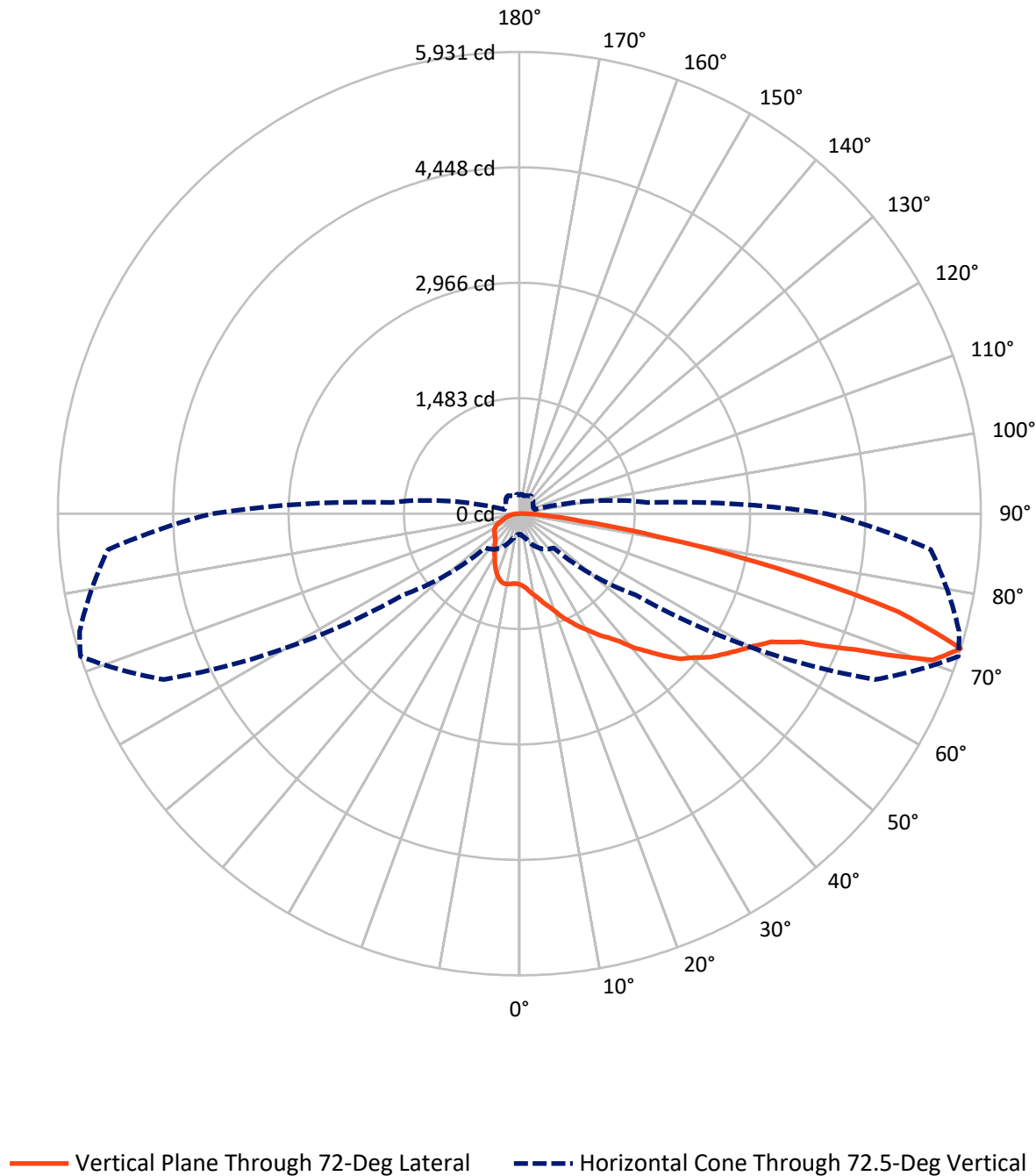
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1468.2   | 0.0    | 1468.2 |
|                    | % Fixture | 21.0     | 0.0    | 21.0   |
| <b>Street Side</b> | Lumens    | 5508.0   | 0.0    | 5508.0 |
|                    | % Fixture | 79.0     | 0.0    | 79.0   |
| <b>Total</b>       | Lumens    | 6976.2   | 0.0    | 6976.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.1   | 1.3       |
| 10°-20°   | 280.0  | 4.0       |
| 20°-30°   | 484.4  | 6.9       |
| 30°-40°   | 715.5  | 10.3      |
| 40°-50°   | 1064.1 | 15.3      |
| 50°-60°   | 1458.8 | 20.9      |
| 60°-70°   | 1582.3 | 22.7      |
| 70°-80°   | 1115.6 | 16.0      |
| 80°-90°   | 185.4  | 2.7       |
| 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°    | 6976.2 | 100.0     |
| 0°-180°   | 6976.2 | 100.0     |

**Coefficient of Utilization**



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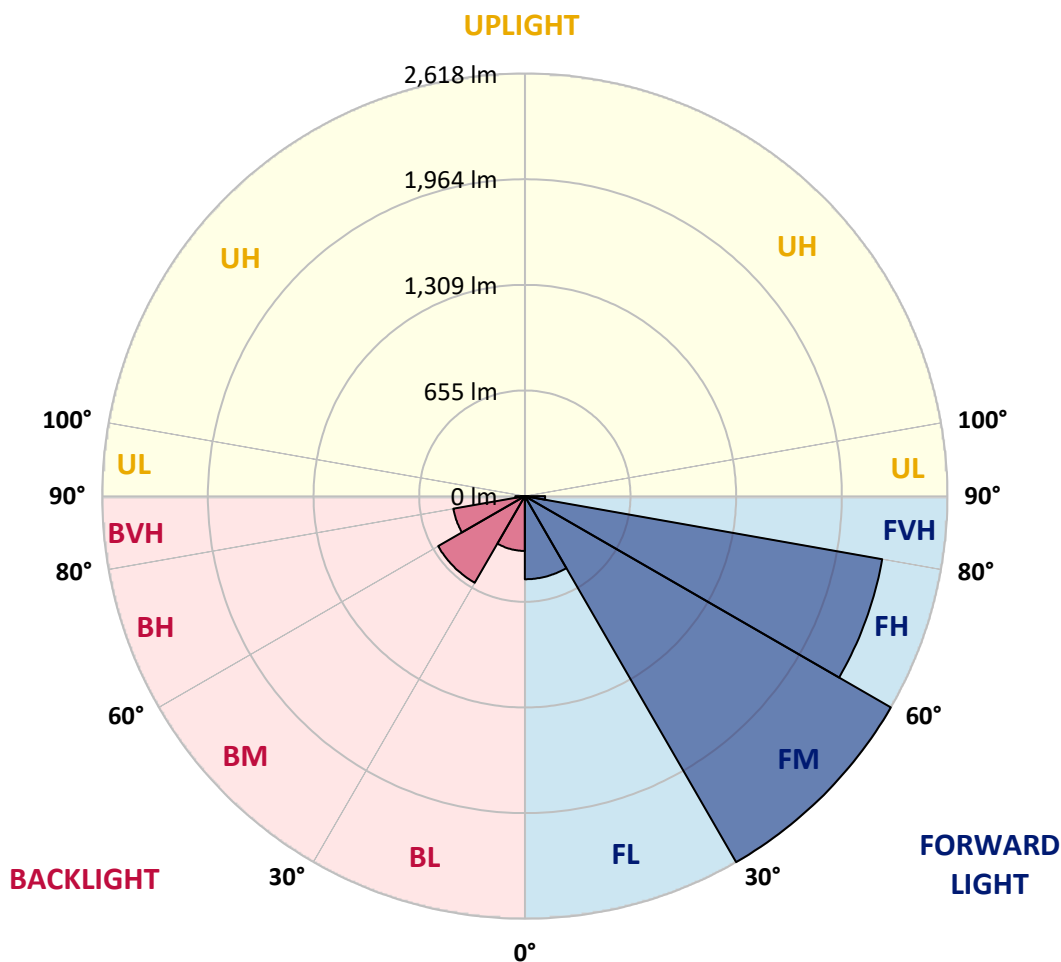
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 515.1  | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 2618.3 | 37.5      |                         |      |         |
| FH   | (60°-80°)   | 2248.2 | 32.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 126.4  | 1.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 339.3  | 4.9       | B1/500                  |      |         |
| BM   | (30°-60°)   | 620.1  | 8.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 449.7  | 6.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 59.0   | 0.8       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 72°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 911.3  | 911.3  | 911.3  | 911.3  | 911.3  | 911.3  | 911.3  | 911.3  | 911.3  | 911.3  | 911.3  |
| 2.5°  | 983.4  | 983.4  | 975.6  | 973.1  | 973.1  | 952.5  | 955.0  | 942.2  | 931.9  | 931.9  | 921.6  |
| 5°    | 1034.8 | 1029.7 | 1029.7 | 1029.7 | 1016.8 | 1009.1 | 1006.5 | 983.4  | 965.3  | 967.9  | 937.0  |
| 7.5°  | 1047.7 | 1050.3 | 1052.9 | 1065.7 | 1058.0 | 1063.2 | 1058.0 | 1032.3 | 1019.4 | 1006.5 | 978.2  |
| 10°   | 1055.4 | 1060.6 | 1060.6 | 1078.6 | 1078.6 | 1091.5 | 1099.2 | 1088.9 | 1065.7 | 1052.9 | 1006.5 |
| 12.5° | 1073.5 | 1065.7 | 1076.0 | 1088.9 | 1101.8 | 1124.9 | 1148.1 | 1137.8 | 1122.4 | 1106.9 | 1055.4 |
| 15°   | 1073.5 | 1076.0 | 1083.8 | 1104.3 | 1124.9 | 1148.1 | 1189.3 | 1204.7 | 1197.0 | 1168.7 | 1114.6 |
| 17.5° | 1042.6 | 1034.8 | 1070.9 | 1109.5 | 1148.1 | 1176.4 | 1230.5 | 1266.5 | 1261.4 | 1251.1 | 1168.7 |
| 20°   | 1045.1 | 1052.9 | 1065.7 | 1099.2 | 1161.0 | 1212.5 | 1279.4 | 1338.6 | 1351.5 | 1346.3 | 1240.8 |
| 22.5° | 1091.5 | 1094.1 | 1106.9 | 1122.4 | 1171.3 | 1238.2 | 1338.6 | 1433.8 | 1457.0 | 1444.1 | 1320.6 |
| 25°   | 1137.8 | 1158.4 | 1158.4 | 1168.7 | 1186.7 | 1256.2 | 1377.2 | 1511.1 | 1544.5 | 1547.1 | 1403.0 |
| 27.5° | 1212.5 | 1217.6 | 1233.1 | 1238.2 | 1253.7 | 1294.8 | 1421.0 | 1567.7 | 1644.9 | 1634.6 | 1477.6 |
| 30°   | 1300.0 | 1302.6 | 1312.9 | 1307.7 | 1310.3 | 1361.8 | 1462.2 | 1632.1 | 1737.6 | 1740.2 | 1557.4 |
| 32.5° | 1403.0 | 1423.6 | 1428.7 | 1395.2 | 1400.4 | 1413.3 | 1526.5 | 1709.3 | 1853.4 | 1835.4 | 1626.9 |
| 35°   | 1554.8 | 1562.6 | 1547.1 | 1531.7 | 1493.1 | 1485.3 | 1593.5 | 1786.5 | 1953.8 | 1974.4 | 1729.9 |
| 37.5° | 1742.8 | 1763.4 | 1742.8 | 1660.4 | 1619.2 | 1588.3 | 1675.8 | 1871.5 | 2074.8 | 2144.3 | 1832.9 |
| 40°   | 1917.8 | 1915.2 | 1894.6 | 1820.0 | 1747.9 | 1724.7 | 1794.2 | 1989.9 | 2262.8 | 2329.7 | 1982.2 |
| 42.5° | 2059.4 | 2051.7 | 2038.8 | 1982.2 | 1915.2 | 1876.6 | 1930.7 | 2113.4 | 2419.8 | 2548.5 | 2154.6 |
| 45°   | 2183.0 | 2172.7 | 2175.2 | 2110.9 | 2046.5 | 2067.1 | 2067.1 | 2255.0 | 2605.1 | 2764.7 | 2352.9 |
| 47.5° | 2298.8 | 2303.9 | 2296.2 | 2247.3 | 2198.4 | 2252.5 | 2224.1 | 2417.2 | 2787.9 | 2965.5 | 2520.2 |
| 50°   | 2432.7 | 2442.9 | 2417.2 | 2386.3 | 2342.6 | 2396.6 | 2360.6 | 2569.1 | 2906.3 | 3148.3 | 2721.0 |
| 52.5° | 2558.8 | 2569.1 | 2592.3 | 2553.6 | 2509.9 | 2553.6 | 2471.3 | 2710.7 | 3063.3 | 3325.9 | 2875.4 |
| 55°   | 2589.7 | 2584.5 | 2713.2 | 2754.4 | 2777.6 | 2646.3 | 2569.1 | 2831.7 | 3186.9 | 3439.2 | 3050.5 |
| 57.5° | 2448.1 | 2461.0 | 2636.0 | 2754.4 | 3001.6 | 2888.3 | 2679.8 | 2973.2 | 3315.6 | 3588.5 | 3212.6 |
| 60°   | 2095.4 | 2103.2 | 2322.0 | 2602.6 | 2962.9 | 3114.8 | 2978.4 | 3156.0 | 3457.2 | 3714.6 | 3395.4 |
| 62.5° | 1400.4 | 1459.6 | 1732.5 | 2172.7 | 2690.1 | 3176.6 | 3454.6 | 3464.9 | 3629.7 | 3874.2 | 3645.1 |
| 65°   | 738.8  | 767.1  | 980.8  | 1336.0 | 2038.8 | 2962.9 | 3902.5 | 4077.6 | 3974.6 | 4167.7 | 4005.5 |
| 67.5° | 484.0  | 494.3  | 610.1  | 810.9  | 1176.4 | 2162.4 | 3954.0 | 5140.7 | 4667.1 | 4726.3 | 4582.1 |
| 70°   | 360.4  | 365.5  | 450.5  | 599.8  | 728.5  | 1155.8 | 3241.0 | 5637.6 | 5635.0 | 5478.0 | 5266.9 |
| 72.5° | 265.1  | 272.9  | 332.1  | 458.2  | 561.2  | 623.0  | 1822.6 | 5042.9 | 5931.0 | 5851.2 | 5308.1 |
| 75°   | 208.5  | 213.7  | 244.6  | 355.2  | 453.1  | 409.3  | 924.2  | 3735.2 | 5030.1 | 5413.6 | 4857.6 |
| 77.5° | 169.9  | 175.0  | 193.1  | 257.4  | 363.0  | 316.6  | 442.8  | 2409.5 | 3410.9 | 3897.4 | 3717.2 |
| 80°   | 141.6  | 141.6  | 154.5  | 182.8  | 280.6  | 239.4  | 262.6  | 1354.0 | 1838.0 | 2028.5 | 1686.1 |
| 82.5° | 121.0  | 118.4  | 128.7  | 133.9  | 208.5  | 172.5  | 169.9  | 612.7  | 808.3  | 857.2  | 633.3  |
| 85°   | 77.2   | 79.8   | 121.0  | 115.8  | 136.4  | 118.4  | 95.2   | 290.9  | 381.0  | 388.7  | 236.8  |
| 87.5° | 30.9   | 30.9   | 51.5   | 64.4   | 77.2   | 72.1   | 46.3   | 131.3  | 167.3  | 167.3  | 66.9   |
| 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):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 911.3  | 911.3  | 911.3 | 911.3 | 911.3 | 911.3 | 911.3 | 911.3 | 911.3 | 911.3 | 911.3 |
| 2.5°  | 919.0  | 908.7  | 901.0 | 895.8 | 883.0 | 870.1 | 872.7 | 870.1 | 859.8 | 854.6 | 854.6 |
| 5°    | 929.3  | 919.0  | 906.1 | 885.5 | 872.7 | 857.2 | 862.4 | 852.1 | 841.8 | 849.5 | 836.6 |
| 7.5°  | 955.0  | 937.0  | 919.0 | 888.1 | 867.5 | 844.3 | 834.1 | 828.9 | 821.2 | 816.0 | 816.0 |
| 10°   | 991.1  | 965.3  | 931.9 | 885.5 | 852.1 | 816.0 | 810.9 | 800.6 | 792.9 | 792.9 | 790.3 |
| 12.5° | 1027.1 | 998.8  | 942.2 | 867.5 | 810.9 | 785.1 | 782.6 | 785.1 | 790.3 | 792.9 | 795.4 |
| 15°   | 1073.5 | 1027.1 | 939.6 | 834.1 | 777.4 | 767.1 | 780.0 | 790.3 | 800.6 | 810.9 | 808.3 |
| 17.5° | 1117.2 | 1063.2 | 916.4 | 792.9 | 749.1 | 751.7 | 774.8 | 795.4 | 816.0 | 826.3 | 828.9 |
| 20°   | 1176.4 | 1096.6 | 883.0 | 744.0 | 720.8 | 744.0 | 774.8 | 800.6 | 823.8 | 836.6 | 839.2 |
| 22.5° | 1243.4 | 1135.2 | 839.2 | 700.2 | 697.6 | 720.8 | 751.7 | 790.3 | 816.0 | 839.2 | 836.6 |
| 25°   | 1302.6 | 1161.0 | 782.6 | 664.2 | 669.3 | 684.7 | 720.8 | 762.0 | 787.7 | 813.5 | 805.7 |
| 27.5° | 1341.2 | 1166.1 | 723.4 | 638.4 | 638.4 | 653.9 | 687.3 | 713.1 | 736.2 | 756.8 | 759.4 |
| 30°   | 1384.9 | 1155.8 | 656.4 | 604.9 | 604.9 | 625.5 | 638.4 | 653.9 | 666.7 | 671.9 | 677.0 |
| 32.5° | 1436.4 | 1132.7 | 615.2 | 579.2 | 579.2 | 594.6 | 602.4 | 597.2 | 594.6 | 581.8 | 589.5 |
| 35°   | 1485.3 | 1099.2 | 568.9 | 545.7 | 556.0 | 563.8 | 561.2 | 545.7 | 530.3 | 507.1 | 499.4 |
| 37.5° | 1544.5 | 1065.7 | 527.7 | 509.7 | 527.7 | 530.3 | 530.3 | 512.3 | 491.7 | 463.4 | 463.4 |
| 40°   | 1634.6 | 1040.0 | 494.3 | 486.5 | 504.6 | 502.0 | 489.1 | 476.2 | 484.0 | 468.5 | 468.5 |
| 42.5° | 1729.9 | 1029.7 | 463.4 | 465.9 | 473.7 | 476.2 | 463.4 | 447.9 | 478.8 | 460.8 | 463.4 |
| 45°   | 1848.3 | 1037.4 | 442.8 | 440.2 | 458.2 | 455.6 | 447.9 | 435.0 | 445.3 | 399.0 | 386.1 |
| 47.5° | 1959.0 | 1052.9 | 432.5 | 422.2 | 442.8 | 447.9 | 437.6 | 409.3 | 393.9 | 365.5 | 360.4 |
| 50°   | 2059.4 | 1086.3 | 422.2 | 401.6 | 422.2 | 432.5 | 414.5 | 383.6 | 365.5 | 347.5 | 347.5 |
| 52.5° | 2154.6 | 1135.2 | 417.0 | 378.4 | 396.4 | 409.3 | 399.0 | 368.1 | 347.5 | 339.8 | 332.1 |
| 55°   | 2252.5 | 1179.0 | 409.3 | 363.0 | 368.1 | 393.9 | 391.3 | 350.1 | 329.5 | 329.5 | 326.9 |
| 57.5° | 2391.5 | 1238.2 | 399.0 | 337.2 | 347.5 | 375.8 | 375.8 | 342.4 | 319.2 | 321.8 | 324.4 |
| 60°   | 2533.0 | 1307.7 | 388.7 | 311.5 | 319.2 | 357.8 | 363.0 | 332.1 | 311.5 | 314.1 | 311.5 |
| 62.5° | 2759.6 | 1436.4 | 368.1 | 280.6 | 296.0 | 334.7 | 347.5 | 319.2 | 301.2 | 306.3 | 306.3 |
| 65°   | 3102.0 | 1657.8 | 324.4 | 254.8 | 272.9 | 314.1 | 332.1 | 306.3 | 285.7 | 301.2 | 296.0 |
| 67.5° | 3652.8 | 1961.6 | 272.9 | 234.3 | 257.4 | 293.5 | 314.1 | 290.9 | 272.9 | 296.0 | 288.3 |
| 70°   | 4147.1 | 2110.9 | 234.3 | 216.2 | 234.3 | 270.3 | 293.5 | 275.4 | 257.4 | 280.6 | 270.3 |
| 72.5° | 3946.3 | 1655.2 | 203.4 | 195.6 | 213.7 | 244.6 | 272.9 | 254.8 | 236.8 | 249.7 | 239.4 |
| 75°   | 3405.7 | 1318.0 | 177.6 | 175.0 | 190.5 | 221.4 | 249.7 | 236.8 | 218.8 | 224.0 | 218.8 |
| 77.5° | 2582.0 | 1088.9 | 151.9 | 149.3 | 162.2 | 198.2 | 224.0 | 213.7 | 195.6 | 193.1 | 193.1 |
| 80°   | 1153.3 | 535.4  | 126.1 | 126.1 | 133.9 | 169.9 | 190.5 | 185.3 | 167.3 | 164.8 | 162.2 |
| 82.5° | 378.4  | 203.4  | 103.0 | 97.8  | 108.1 | 141.6 | 169.9 | 164.8 | 146.7 | 141.6 | 136.4 |
| 85°   | 151.9  | 97.8   | 74.7  | 74.7  | 84.9  | 118.4 | 151.9 | 141.6 | 118.4 | 105.5 | 105.5 |
| 87.5° | 51.5   | 41.2   | 38.6  | 38.6  | 54.1  | 79.8  | 113.3 | 95.2  | 84.9  | 74.7  | 77.2  |
| 90°   | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)