

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: P672142

Luminaire Tested: **CCP-SA-2E-760-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672142  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-760-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

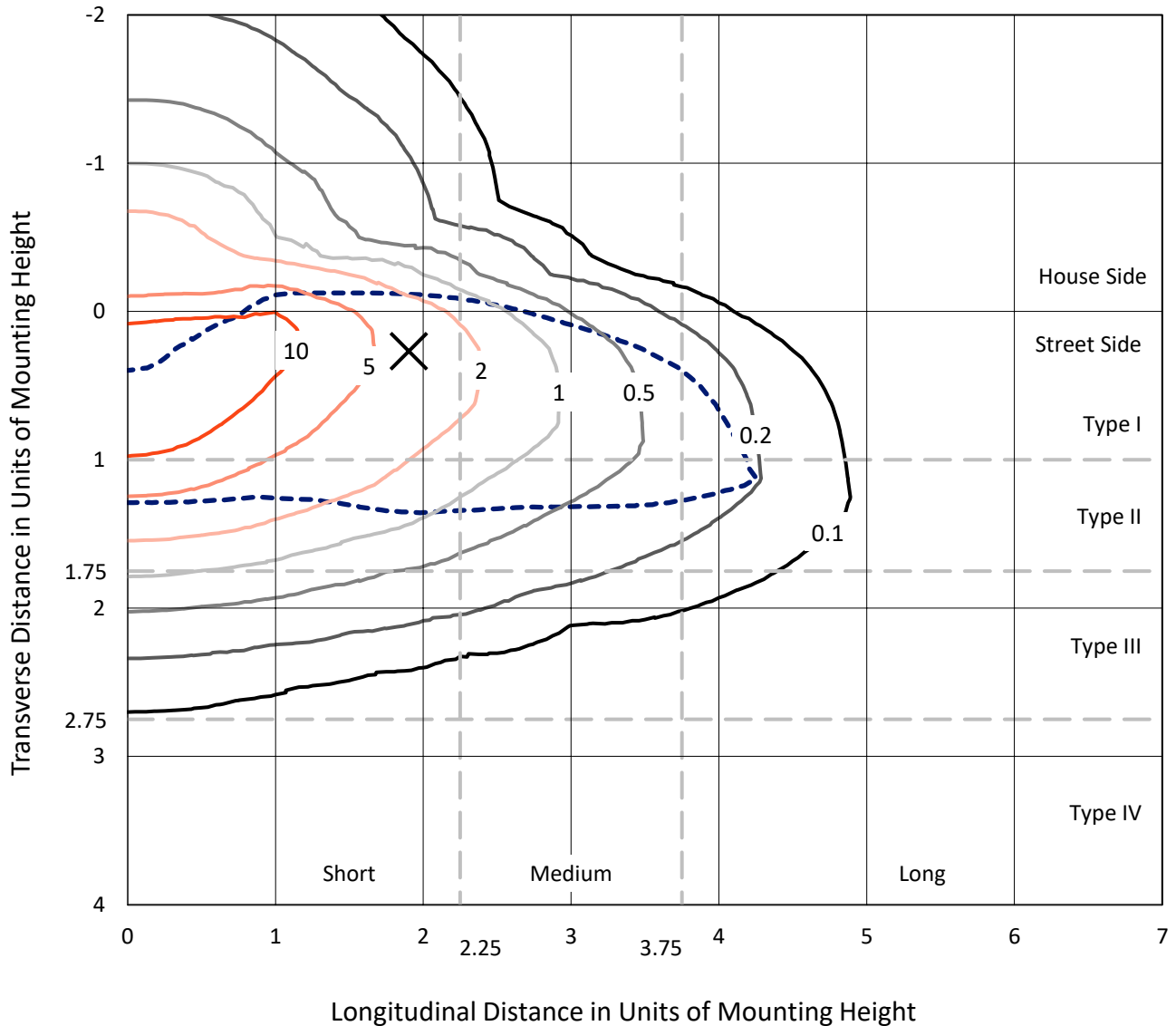
Lumens per Lamp: N/A  
Luminaire Lumens: 14206.6 lumens  
Efficiency: N/A  
Efficacy: 133.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

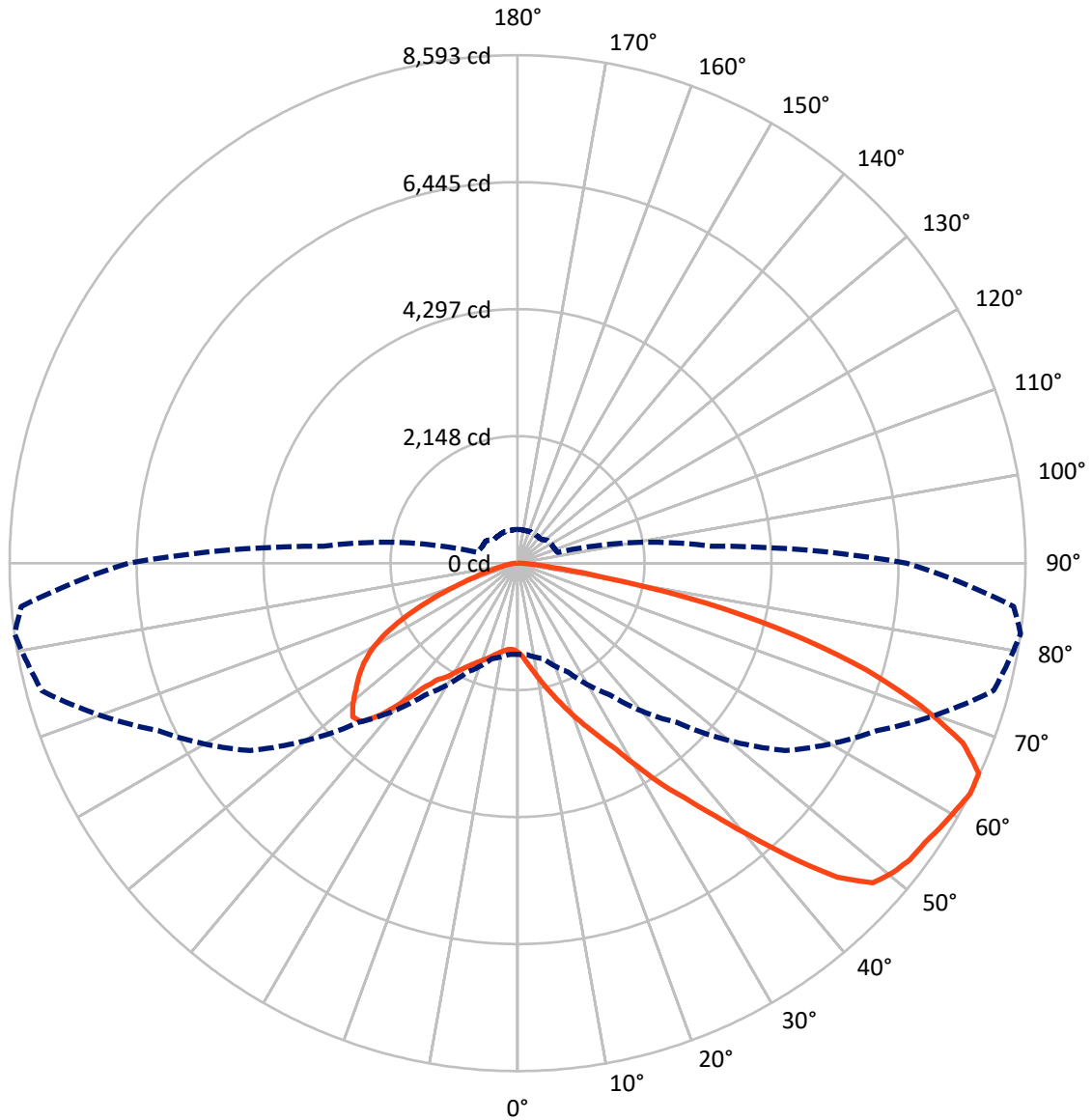
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 16.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2676.5   | 0.0    | 2676.5  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 11530.2  | 0.0    | 11530.2 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 14206.6  | 0.0    | 14206.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 167.2   | 1.2       |
| 10°-20°   | 630.6   | 4.4       |
| 20°-30°   | 1305.9  | 9.2       |
| 30°-40°   | 2216.4  | 15.6      |
| 40°-50°   | 3018.2  | 21.2      |
| 50°-60°   | 3055.1  | 21.5      |
| 60°-70°   | 2407.8  | 16.9      |
| 70°-80°   | 1186.1  | 8.3       |
| 80°-90°   | 219.4   | 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°    | 14206.6 | 100.0     |
| 0°-180°   | 14206.6 | 100.0     |



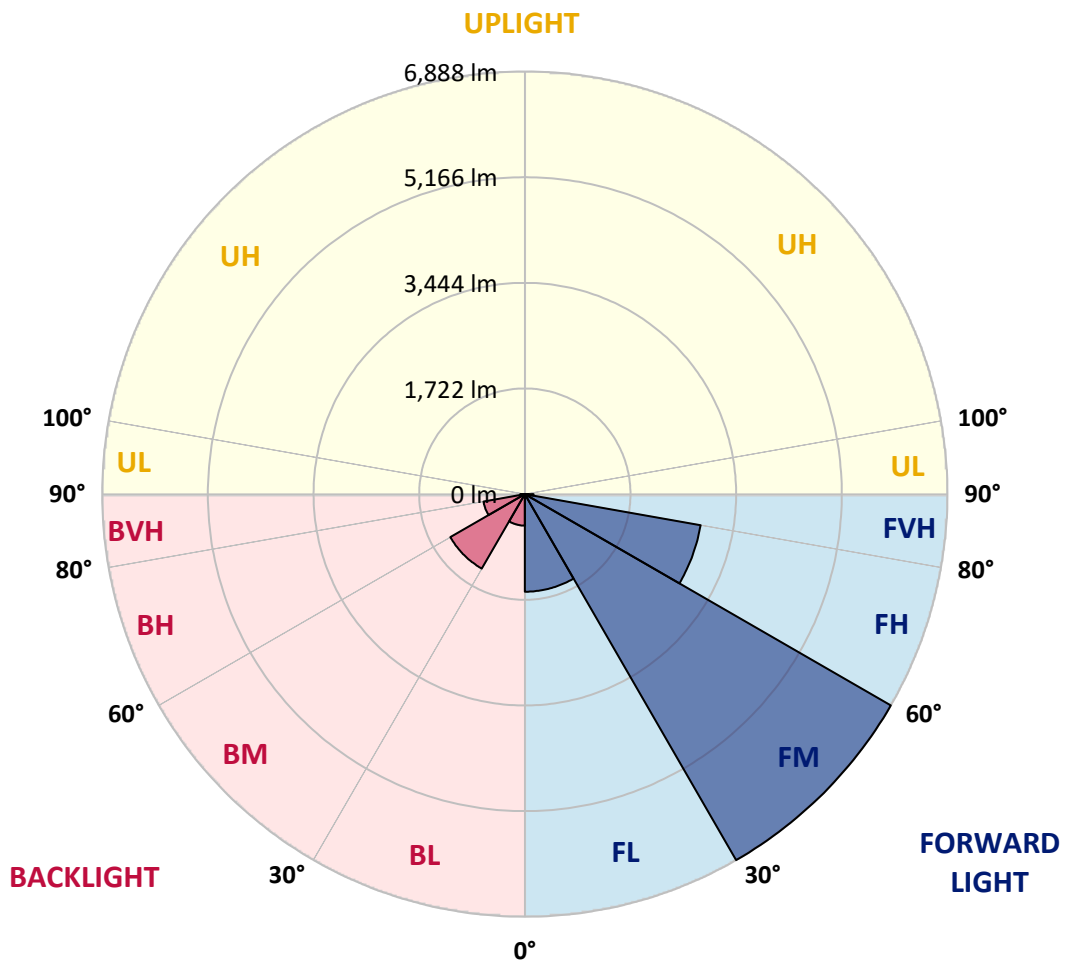
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1590.0 | 11.2      |                         |      |         |
| FM (30°-60°)   | 6887.9 | 48.5      |                         |      |         |
| FH (60°-80°)   | 2909.7 | 20.5      |                         |      | G2/5000 |
| FVH (80°-90°)  | 142.5  | 1.0       |                         |      | G2/225  |
| BL (0°-30°)    | 513.5  | 3.6       | B2/1000                 |      |         |
| BM (30°-60°)   | 1401.9 | 9.9       | B2/2500                 |      |         |
| BH (60°-80°)   | 684.2  | 4.8       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 76.9   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 |
| 2.5°  | 2012.0 | 1981.3 | 1964.9 | 1946.5 | 1895.4 | 1862.6 | 1801.3 | 1729.7 | 1646.8 | 1576.2 | 1562.9 |
| 5°    | 2436.5 | 2405.8 | 2409.9 | 2364.9 | 2290.2 | 2220.7 | 2106.1 | 1971.1 | 1813.5 | 1692.8 | 1650.9 |
| 7.5°  | 2736.2 | 2702.4 | 2710.6 | 2692.2 | 2631.8 | 2555.1 | 2409.9 | 2236.0 | 2005.8 | 1826.8 | 1759.3 |
| 10°   | 2936.7 | 2940.8 | 2946.9 | 2939.7 | 2900.9 | 2846.6 | 2702.4 | 2510.1 | 2223.7 | 1985.4 | 1893.3 |
| 12.5° | 3163.7 | 3175.0 | 3172.9 | 3176.0 | 3155.6 | 3112.6 | 2971.4 | 2790.4 | 2455.9 | 2156.2 | 2036.5 |
| 15°   | 3453.2 | 3442.0 | 3451.2 | 3464.5 | 3442.0 | 3394.9 | 3270.1 | 3055.3 | 2699.4 | 2346.5 | 2198.1 |
| 17.5° | 3770.3 | 3746.8 | 3771.3 | 3758.0 | 3741.7 | 3711.0 | 3573.9 | 3344.8 | 2951.0 | 2552.1 | 2378.2 |
| 20°   | 4044.4 | 4029.1 | 4042.4 | 4044.4 | 4047.5 | 4041.4 | 3900.2 | 3656.8 | 3214.9 | 2776.1 | 2572.5 |
| 22.5° | 4352.3 | 4345.2 | 4343.1 | 4344.1 | 4347.2 | 4354.4 | 4258.2 | 3998.4 | 3507.4 | 3011.3 | 2782.2 |
| 25°   | 4782.9 | 4775.8 | 4728.7 | 4676.6 | 4645.9 | 4668.4 | 4618.3 | 4386.1 | 3830.6 | 3275.2 | 3012.4 |
| 27.5° | 5265.7 | 5254.5 | 5192.1 | 5060.1 | 4961.9 | 4978.3 | 4973.2 | 4813.6 | 4203.0 | 3578.0 | 3288.5 |
| 30°   | 5766.9 | 5739.3 | 5653.4 | 5468.3 | 5313.8 | 5285.2 | 5299.5 | 5246.3 | 4671.4 | 3980.0 | 3673.1 |
| 32.5° | 6213.9 | 6162.8 | 6049.3 | 5862.1 | 5678.0 | 5595.1 | 5597.1 | 5620.7 | 5180.8 | 4448.5 | 4076.1 |
| 35°   | 6487.0 | 6453.3 | 6368.4 | 6179.2 | 5973.6 | 5918.3 | 5903.0 | 6020.6 | 5648.3 | 4882.2 | 4437.2 |
| 37.5° | 6634.3 | 6601.6 | 6510.6 | 6358.2 | 6202.7 | 6180.2 | 6208.8 | 6390.9 | 6179.2 | 5423.3 | 4928.2 |
| 40°   | 6607.7 | 6573.0 | 6513.6 | 6407.3 | 6305.0 | 6322.4 | 6449.2 | 6730.5 | 6759.1 | 6070.7 | 5627.8 |
| 42.5° | 6388.8 | 6352.0 | 6346.9 | 6339.7 | 6291.7 | 6368.4 | 6597.5 | 6979.0 | 7292.0 | 6818.5 | 6474.8 |
| 45°   | 6002.2 | 5979.7 | 6006.3 | 6129.0 | 6189.4 | 6337.7 | 6667.1 | 7099.7 | 7760.5 | 7578.4 | 7275.7 |
| 47.5° | 5512.2 | 5498.9 | 5559.3 | 5753.6 | 5949.0 | 6243.6 | 6713.1 | 7132.5 | 8082.7 | 8082.7 | 7800.4 |
| 50°   | 4964.0 | 4958.9 | 5038.7 | 5321.0 | 5626.8 | 6070.7 | 6708.0 | 7163.2 | 8223.9 | 8231.0 | 7985.5 |
| 52.5° | 4198.9 | 4225.5 | 4438.2 | 4810.6 | 5225.8 | 5799.7 | 6636.4 | 7249.1 | 8303.7 | 8320.0 | 8109.3 |
| 55°   | 3317.2 | 3342.7 | 3663.9 | 4165.1 | 4697.0 | 5470.3 | 6422.6 | 7223.5 | 8319.0 | 8355.8 | 8179.9 |
| 57.5° | 2648.2 | 2653.3 | 2853.8 | 3449.1 | 4107.8 | 5048.9 | 6176.1 | 7053.7 | 8274.0 | 8434.6 | 8288.3 |
| 60°   | 2072.3 | 2088.7 | 2222.7 | 2694.2 | 3424.6 | 4505.7 | 5900.9 | 6886.0 | 8299.6 | 8509.3 | 8386.5 |
| 62.5° | 1543.5 | 1547.6 | 1672.4 | 2037.6 | 2720.8 | 3813.3 | 5527.6 | 6707.0 | 8335.4 | 8593.1 | 8426.4 |
| 65°   | 1005.5 | 1004.5 | 1125.2 | 1454.5 | 2032.4 | 3065.5 | 4941.5 | 6426.7 | 8338.4 | 8574.7 | 8243.3 |
| 67.5° | 639.3  | 643.4  | 695.6  | 903.2  | 1360.4 | 2313.7 | 4143.6 | 5906.1 | 8193.2 | 8128.7 | 7576.4 |
| 70°   | 518.6  | 519.6  | 536.0  | 590.2  | 828.5  | 1581.4 | 3114.6 | 5091.8 | 7733.9 | 7239.9 | 6585.2 |
| 72.5° | 462.3  | 463.4  | 471.5  | 477.7  | 552.3  | 950.2  | 2043.7 | 4134.4 | 6917.7 | 6171.0 | 5463.1 |
| 75°   | 415.3  | 415.3  | 420.4  | 414.3  | 453.1  | 596.3  | 1159.9 | 3108.5 | 5697.4 | 4805.4 | 4127.3 |
| 77.5° | 364.1  | 363.1  | 363.1  | 360.1  | 391.8  | 435.7  | 581.0  | 2169.5 | 4103.8 | 3277.3 | 2676.9 |
| 80°   | 308.9  | 306.9  | 309.9  | 307.9  | 338.6  | 330.4  | 338.6  | 1338.9 | 2224.7 | 1502.6 | 1139.5 |
| 82.5° | 240.4  | 240.4  | 249.6  | 251.6  | 279.2  | 239.4  | 238.3  | 635.2  | 844.9  | 561.6  | 420.4  |
| 85°   | 125.8  | 141.2  | 190.3  | 198.4  | 210.7  | 150.4  | 174.9  | 296.6  | 338.6  | 214.8  | 153.4  |
| 87.5° | 37.8   | 39.9   | 116.6  | 130.9  | 129.9  | 75.7   | 107.4  | 143.2  | 158.5  | 95.1   | 62.4   |
| 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°    | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 | 1510.8 |
| 2.5°  | 1529.2 | 1493.4 | 1417.7 | 1350.2 | 1299.0 | 1249.9 | 1216.2 | 1198.8 | 1176.3 | 1179.4 | 1172.2 |
| 5°    | 1576.2 | 1502.6 | 1368.6 | 1260.2 | 1187.6 | 1132.3 | 1098.6 | 1081.2 | 1064.8 | 1056.6 | 1062.8 |
| 7.5°  | 1646.8 | 1532.3 | 1345.1 | 1214.1 | 1138.5 | 1091.4 | 1073.0 | 1067.9 | 1063.8 | 1060.7 | 1065.8 |
| 10°   | 1737.9 | 1584.4 | 1341.0 | 1197.8 | 1128.2 | 1099.6 | 1092.4 | 1089.4 | 1085.3 | 1081.2 | 1084.2 |
| 12.5° | 1830.9 | 1641.7 | 1355.3 | 1201.9 | 1144.6 | 1123.1 | 1113.9 | 1109.8 | 1099.6 | 1094.5 | 1095.5 |
| 15°   | 1947.5 | 1711.3 | 1374.7 | 1218.2 | 1166.1 | 1138.5 | 1126.2 | 1114.9 | 1098.6 | 1091.4 | 1094.5 |
| 17.5° | 2072.3 | 1794.1 | 1401.3 | 1233.6 | 1174.3 | 1140.5 | 1116.0 | 1099.6 | 1083.2 | 1073.0 | 1074.0 |
| 20°   | 2213.5 | 1875.9 | 1424.9 | 1238.7 | 1170.2 | 1123.1 | 1093.4 | 1074.0 | 1052.5 | 1041.3 | 1038.2 |
| 22.5° | 2359.8 | 1961.9 | 1443.3 | 1234.6 | 1147.7 | 1093.4 | 1059.7 | 1036.2 | 1010.6 | 993.2  | 994.2  |
| 25°   | 2537.7 | 2078.5 | 1458.6 | 1220.3 | 1118.0 | 1054.6 | 1016.7 | 987.1  | 960.5  | 944.1  | 945.1  |
| 27.5° | 2751.5 | 2210.4 | 1477.0 | 1197.8 | 1082.2 | 1012.6 | 968.7  | 939.0  | 913.4  | 898.1  | 896.0  |
| 30°   | 3036.9 | 2382.3 | 1497.5 | 1170.2 | 1037.2 | 966.6  | 923.7  | 893.0  | 868.4  | 854.1  | 854.1  |
| 32.5° | 3358.1 | 2592.0 | 1511.8 | 1137.4 | 987.1  | 917.5  | 878.6  | 854.1  | 835.7  | 816.3  | 814.2  |
| 35°   | 3637.3 | 2754.6 | 1555.8 | 1111.9 | 943.1  | 871.5  | 844.9  | 827.5  | 799.9  | 781.5  | 778.4  |
| 37.5° | 4047.5 | 3041.0 | 1685.7 | 1104.7 | 889.9  | 835.7  | 830.6  | 797.8  | 766.1  | 731.4  | 728.3  |
| 40°   | 4708.3 | 3537.1 | 1837.1 | 1069.9 | 834.7  | 816.3  | 811.1  | 767.2  | 692.5  | 671.0  | 666.9  |
| 42.5° | 5549.1 | 4134.4 | 1853.4 | 968.7  | 795.8  | 799.9  | 784.5  | 698.6  | 665.9  | 649.5  | 645.4  |
| 45°   | 6308.0 | 4619.3 | 1760.4 | 865.3  | 767.2  | 775.3  | 743.6  | 673.0  | 654.6  | 639.3  | 635.2  |
| 47.5° | 6734.6 | 4768.6 | 1584.4 | 787.6  | 745.7  | 753.9  | 678.2  | 660.8  | 642.4  | 627.0  | 622.9  |
| 50°   | 6854.3 | 4638.7 | 1379.9 | 742.6  | 729.3  | 732.4  | 660.8  | 650.5  | 634.2  | 621.9  | 615.8  |
| 52.5° | 6877.8 | 4444.4 | 1190.6 | 716.0  | 717.0  | 689.4  | 645.4  | 637.2  | 627.0  | 607.6  | 600.4  |
| 55°   | 6888.0 | 4269.5 | 1020.8 | 699.6  | 708.8  | 634.2  | 629.1  | 622.9  | 614.7  | 594.3  | 590.2  |
| 57.5° | 6914.6 | 4045.5 | 887.9  | 687.4  | 698.6  | 608.6  | 610.7  | 606.6  | 596.3  | 587.1  | 585.1  |
| 60°   | 6838.9 | 3735.5 | 785.6  | 675.1  | 684.3  | 587.1  | 589.2  | 591.2  | 582.0  | 580.0  | 578.9  |
| 62.5° | 6585.2 | 3295.7 | 698.6  | 658.7  | 654.6  | 565.6  | 565.6  | 573.8  | 565.6  | 568.7  | 568.7  |
| 65°   | 6062.6 | 2735.2 | 620.9  | 628.0  | 608.6  | 542.1  | 541.1  | 555.4  | 543.1  | 556.4  | 557.5  |
| 67.5° | 5171.6 | 2070.3 | 541.1  | 580.0  | 560.5  | 517.6  | 521.7  | 532.9  | 516.5  | 544.2  | 544.2  |
| 70°   | 4093.5 | 1408.5 | 458.2  | 512.5  | 511.4  | 490.0  | 503.3  | 502.2  | 483.8  | 524.7  | 517.6  |
| 72.5° | 3049.2 | 904.2  | 373.3  | 429.6  | 447.0  | 460.3  | 484.8  | 463.4  | 446.0  | 469.5  | 448.0  |
| 75°   | 2130.6 | 566.7  | 294.6  | 339.6  | 372.3  | 427.6  | 462.3  | 419.4  | 393.8  | 386.6  | 380.5  |
| 77.5° | 1275.5 | 362.1  | 232.2  | 258.8  | 290.5  | 388.7  | 433.7  | 373.3  | 334.5  | 330.4  | 318.1  |
| 80°   | 588.2  | 236.3  | 177.0  | 193.3  | 206.6  | 333.5  | 394.8  | 319.1  | 272.1  | 268.0  | 253.7  |
| 82.5° | 265.9  | 155.5  | 132.0  | 138.1  | 139.1  | 264.9  | 333.5  | 252.6  | 207.6  | 336.5  | 291.5  |
| 85°   | 123.8  | 100.2  | 85.9   | 81.8   | 82.9   | 177.0  | 242.4  | 173.9  | 236.3  | 184.1  | 140.1  |
| 87.5° | 53.2   | 51.1   | 44.0   | 34.8   | 31.7   | 37.8   | 93.1   | 72.6   | 103.3  | 40.9   | 27.6   |
| 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)