

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: P671392

Luminaire Tested: **CCP-SA-1C-740-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671392
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-740-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL3 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

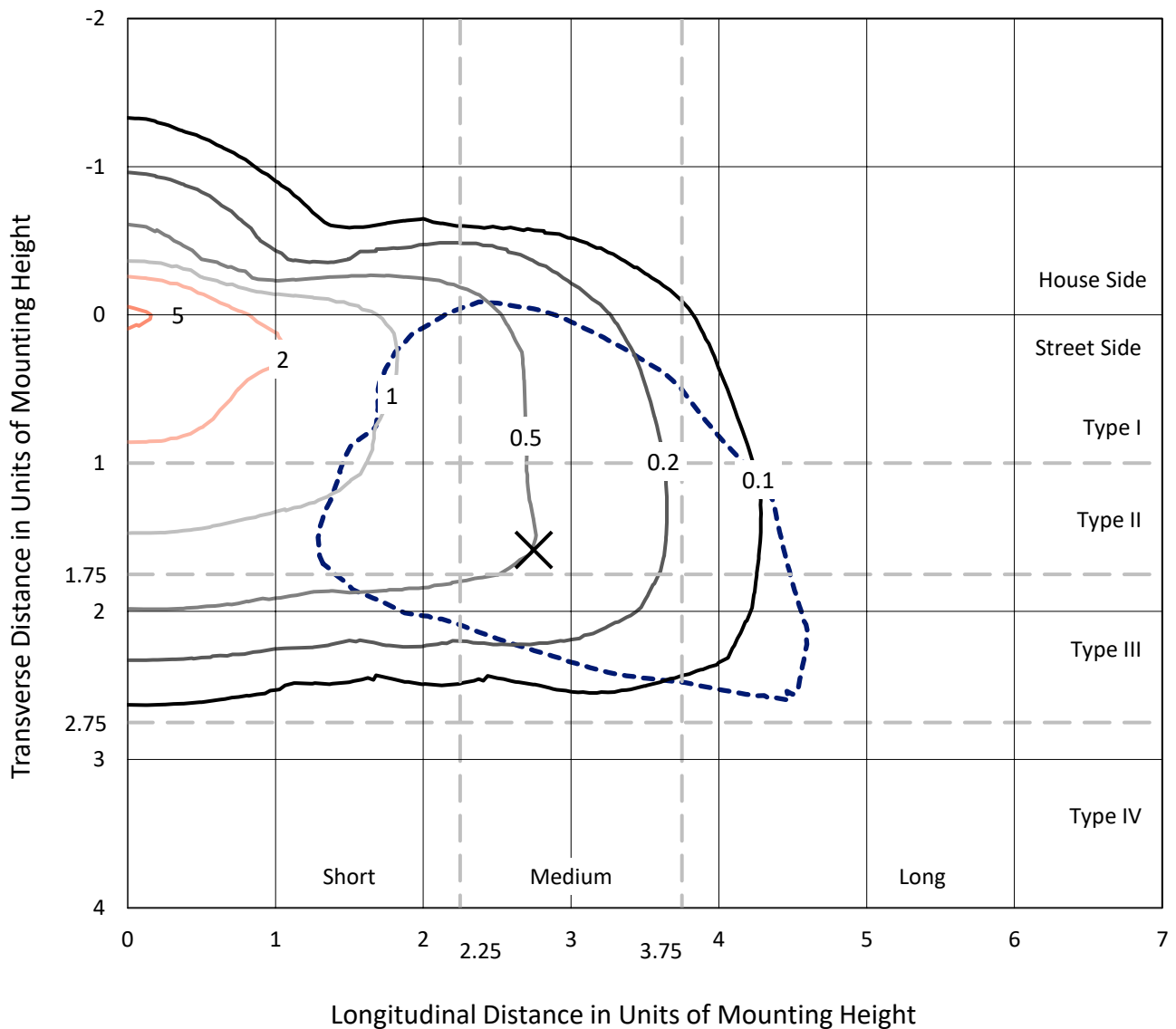
Lumens per Lamp: N/A
Luminaire Lumens: 4470.4 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 32
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

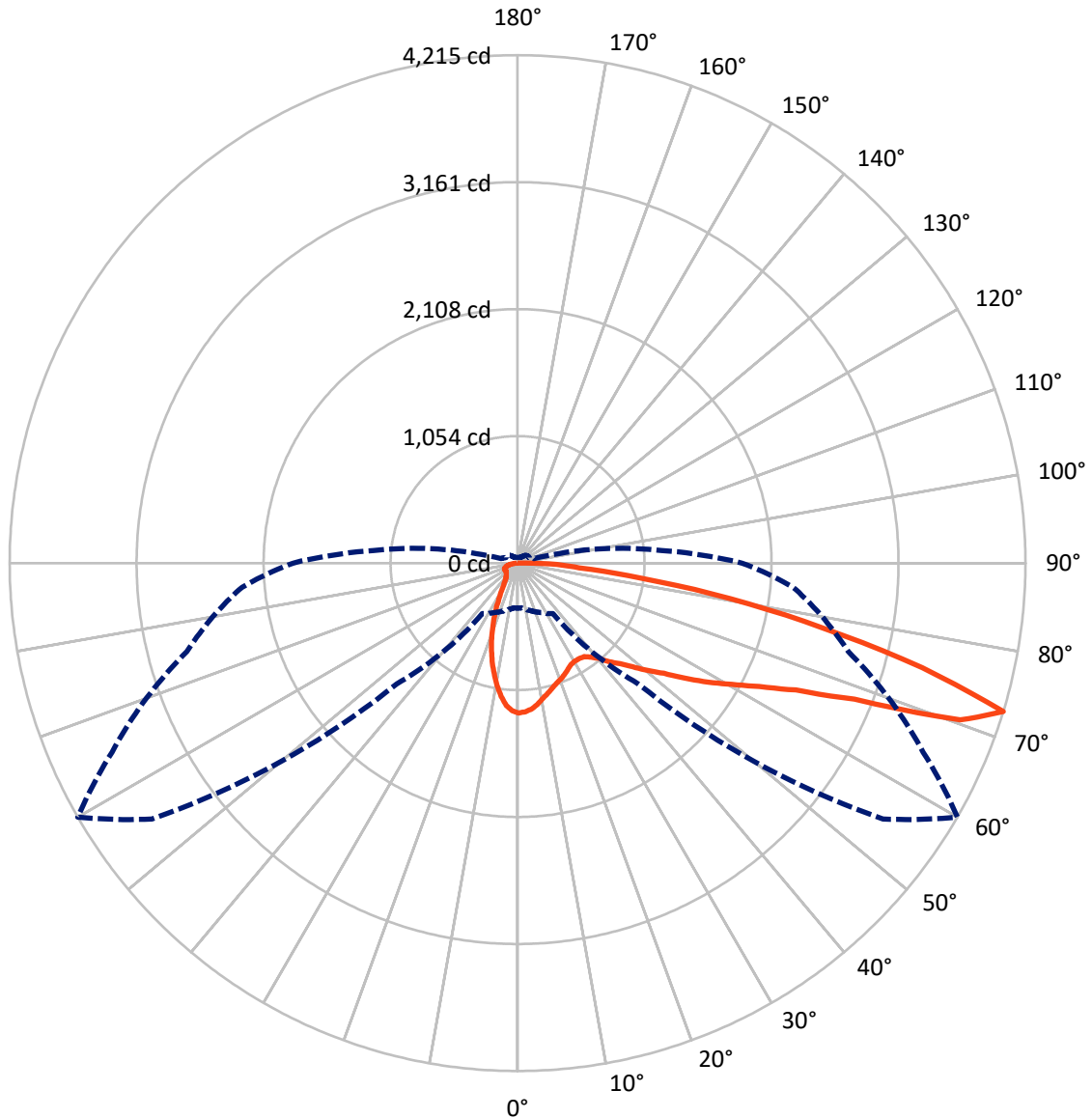
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 767.9 | 0.0 | 767.9 |
| | % Fixture | 17.2 | 0.0 | 17.2 |
| Street Side | Lumens | 3702.4 | 0.0 | 3702.4 |
| | % Fixture | 82.8 | 0.0 | 82.8 |
| Total | Lumens | 4470.4 | 0.0 | 4470.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 107.9 | 2.4 |
| 10°-20° | 244.7 | 5.5 |
| 20°-30° | 313.1 | 7.0 |
| 30°-40° | 400.6 | 9.0 |
| 40°-50° | 549.4 | 12.3 |
| 50°-60° | 794.6 | 17.8 |
| 60°-70° | 1090.1 | 24.4 |
| 70°-80° | 818.0 | 18.3 |
| 80°-90° | 152.0 | 3.4 |
| 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° | 4470.4 | 100.0 |
| 0°-180° | 4470.4 | 100.0 |



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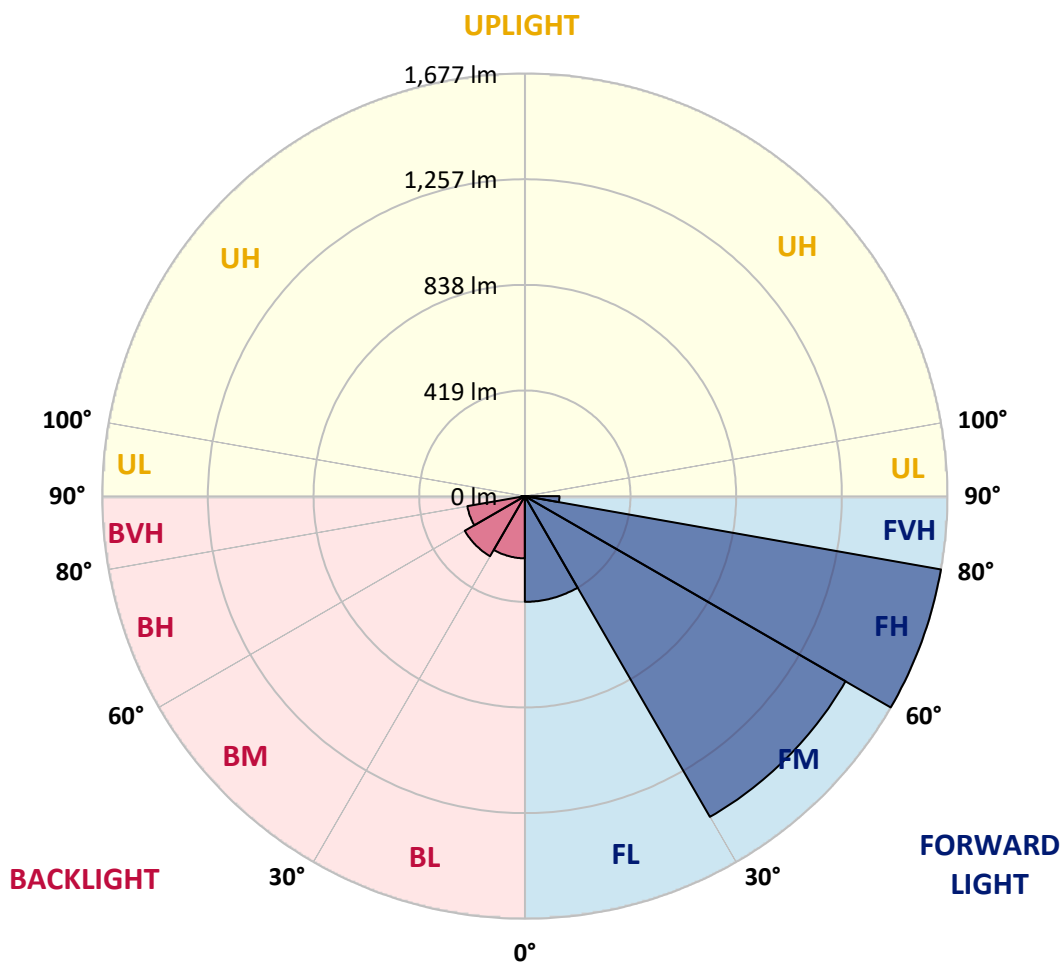
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 419.2 | 9.4 | | | |
| FM (30°-60°) | 1469.4 | 32.9 | | | |
| FH (60°-80°) | 1676.7 | 37.5 | | | G1/1800 |
| FVH (80°-90°) | 137.2 | 3.1 | | | G2/225 |
| BL (0°-30°) | 246.5 | 5.5 | B1/500 | | |
| BM (30°-60°) | 275.2 | 6.2 | B1/1000 | | |
| BH (60°-80°) | 231.4 | 5.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 14.8 | 0.3 | | | 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 III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 |
| 2.5° | 1218.1 | 1229.8 | 1233.1 | 1233.1 | 1243.1 | 1231.5 | 1248.1 | 1234.8 | 1238.1 | 1243.1 | 1239.8 |
| 5° | 1159.9 | 1179.9 | 1168.2 | 1189.9 | 1181.5 | 1196.5 | 1216.5 | 1216.5 | 1211.5 | 1221.5 | 1213.2 |
| 7.5° | 1103.3 | 1096.7 | 1116.6 | 1116.6 | 1129.9 | 1149.9 | 1166.6 | 1183.2 | 1184.9 | 1188.2 | 1186.5 |
| 10° | 1026.8 | 1035.1 | 1045.1 | 1058.4 | 1075.0 | 1095.0 | 1129.9 | 1143.3 | 1146.6 | 1166.6 | 1161.6 |
| 12.5° | 963.5 | 975.2 | 981.8 | 1008.5 | 1023.4 | 1051.7 | 1091.7 | 1110.0 | 1111.6 | 1139.9 | 1139.9 |
| 15° | 916.9 | 923.6 | 938.6 | 948.6 | 981.8 | 1021.8 | 1060.1 | 1076.7 | 1095.0 | 1125.0 | 1116.6 |
| 17.5° | 885.3 | 893.6 | 900.3 | 913.6 | 945.2 | 978.5 | 1038.4 | 1048.4 | 1070.0 | 1113.3 | 1103.3 |
| 20° | 867.0 | 868.7 | 878.7 | 887.0 | 915.3 | 946.9 | 1000.1 | 1026.8 | 1055.1 | 1093.3 | 1083.4 |
| 22.5° | 870.3 | 863.7 | 862.0 | 873.7 | 878.7 | 908.6 | 973.5 | 1001.8 | 1041.7 | 1086.7 | 1070.0 |
| 25° | 877.0 | 878.7 | 875.3 | 865.3 | 867.0 | 893.6 | 936.9 | 973.5 | 1018.4 | 1085.0 | 1051.7 |
| 27.5° | 893.6 | 902.0 | 888.6 | 878.7 | 868.7 | 878.7 | 923.6 | 950.2 | 1000.1 | 1093.3 | 1050.1 |
| 30° | 910.3 | 918.6 | 915.3 | 900.3 | 880.3 | 877.0 | 908.6 | 941.9 | 990.2 | 1100.0 | 1050.1 |
| 32.5° | 935.2 | 946.9 | 935.2 | 940.2 | 916.9 | 902.0 | 913.6 | 943.6 | 1000.1 | 1123.3 | 1051.7 |
| 35° | 963.5 | 973.5 | 976.8 | 965.2 | 960.2 | 931.9 | 938.6 | 953.5 | 1010.1 | 1149.9 | 1068.4 |
| 37.5° | 995.2 | 1006.8 | 1016.8 | 1018.4 | 1001.8 | 985.2 | 981.8 | 990.2 | 1035.1 | 1196.5 | 1086.7 |
| 40° | 1016.8 | 1023.4 | 1043.4 | 1060.1 | 1065.0 | 1041.7 | 1040.1 | 1040.1 | 1080.0 | 1238.1 | 1120.0 |
| 42.5° | 1053.4 | 1050.1 | 1078.4 | 1108.3 | 1116.6 | 1103.3 | 1106.6 | 1120.0 | 1143.3 | 1298.0 | 1173.2 |
| 45° | 1071.7 | 1068.4 | 1101.7 | 1151.6 | 1189.9 | 1183.2 | 1186.5 | 1191.5 | 1213.2 | 1392.9 | 1263.1 |
| 47.5° | 1096.7 | 1100.0 | 1148.3 | 1204.8 | 1244.8 | 1268.1 | 1286.4 | 1284.7 | 1301.4 | 1489.4 | 1362.9 |
| 50° | 1121.6 | 1128.3 | 1186.5 | 1246.4 | 1316.3 | 1356.3 | 1382.9 | 1401.2 | 1417.8 | 1590.9 | 1477.8 |
| 52.5° | 1169.9 | 1176.5 | 1241.4 | 1306.3 | 1396.2 | 1454.5 | 1521.0 | 1519.4 | 1521.0 | 1692.4 | 1592.6 |
| 55° | 1239.8 | 1241.4 | 1279.7 | 1354.6 | 1476.1 | 1582.6 | 1674.1 | 1684.1 | 1655.8 | 1818.9 | 1724.0 |
| 57.5° | 1319.7 | 1326.3 | 1359.6 | 1416.2 | 1539.3 | 1705.7 | 1845.5 | 1865.5 | 1788.9 | 1922.1 | 1843.9 |
| 60° | 1394.5 | 1399.5 | 1451.1 | 1516.0 | 1649.2 | 1860.5 | 2018.6 | 2041.9 | 1958.7 | 2048.5 | 1968.7 |
| 62.5° | 1309.7 | 1334.6 | 1426.2 | 1574.3 | 1842.2 | 2095.1 | 2238.3 | 2253.2 | 2123.4 | 2176.7 | 2101.8 |
| 65° | 1048.4 | 1065.0 | 1196.5 | 1436.1 | 1855.5 | 2521.2 | 2577.7 | 2537.8 | 2349.8 | 2341.4 | 2303.2 |
| 67.5° | 584.1 | 597.4 | 687.3 | 938.6 | 1562.6 | 2680.9 | 3308.3 | 3015.4 | 2700.9 | 2589.4 | 2576.1 |
| 70° | 461.0 | 464.3 | 475.9 | 527.5 | 867.0 | 2363.1 | 3884.1 | 3897.4 | 3275.0 | 2930.5 | 2634.3 |
| 72.5° | 374.4 | 372.8 | 407.7 | 452.6 | 512.6 | 1417.8 | 3702.7 | 4215.2 | 3714.3 | 2840.7 | 2294.8 |
| 75° | 286.2 | 291.2 | 336.2 | 401.1 | 469.3 | 667.3 | 2762.5 | 3468.1 | 3479.7 | 2647.6 | 1935.4 |
| 77.5° | 218.0 | 219.7 | 269.6 | 354.5 | 459.3 | 470.9 | 1802.3 | 2584.4 | 2596.0 | 2050.2 | 1066.7 |
| 80° | 163.1 | 163.1 | 204.7 | 299.5 | 447.7 | 434.3 | 1110.0 | 1792.3 | 1622.5 | 720.6 | 233.0 |
| 82.5° | 93.2 | 99.8 | 136.5 | 228.0 | 406.0 | 417.7 | 625.7 | 1026.8 | 685.6 | 196.4 | 108.2 |
| 85° | 49.9 | 51.6 | 83.2 | 153.1 | 334.5 | 399.4 | 477.6 | 510.9 | 272.9 | 104.8 | 49.9 |
| 87.5° | 18.3 | 18.3 | 38.3 | 78.2 | 211.3 | 296.2 | 379.4 | 326.2 | 156.4 | 48.3 | 25.0 |
| 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):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 | 1244.8 |
| 2.5° | 1243.1 | 1236.5 | 1231.5 | 1236.5 | 1218.1 | 1209.8 | 1219.8 | 1214.8 | 1204.8 | 1199.8 | 1196.5 |
| 5° | 1218.1 | 1209.8 | 1201.5 | 1196.5 | 1176.5 | 1156.6 | 1146.6 | 1126.6 | 1110.0 | 1115.0 | 1105.0 |
| 7.5° | 1191.5 | 1183.2 | 1158.2 | 1134.9 | 1095.0 | 1055.1 | 1036.8 | 1008.5 | 998.5 | 990.2 | 985.2 |
| 10° | 1158.2 | 1143.3 | 1105.0 | 1058.4 | 1000.1 | 955.2 | 908.6 | 875.3 | 840.4 | 825.4 | 830.4 |
| 12.5° | 1116.6 | 1108.3 | 1048.4 | 976.8 | 895.3 | 820.4 | 765.5 | 712.2 | 665.7 | 640.7 | 634.0 |
| 15° | 1098.3 | 1073.4 | 986.8 | 892.0 | 788.8 | 695.6 | 614.1 | 520.9 | 466.0 | 439.3 | 439.3 |
| 17.5° | 1078.4 | 1031.8 | 928.6 | 798.8 | 680.6 | 560.8 | 446.0 | 361.1 | 317.8 | 302.9 | 302.9 |
| 20° | 1046.7 | 995.2 | 860.4 | 710.6 | 567.5 | 422.7 | 319.5 | 272.9 | 259.6 | 249.6 | 251.3 |
| 22.5° | 1023.4 | 960.2 | 797.1 | 624.0 | 449.3 | 314.5 | 251.3 | 236.3 | 231.3 | 228.0 | 229.7 |
| 25° | 996.8 | 918.6 | 730.6 | 530.9 | 352.8 | 248.0 | 218.0 | 211.3 | 214.7 | 216.3 | 216.3 |
| 27.5° | 975.2 | 883.7 | 662.3 | 431.0 | 266.3 | 209.7 | 196.4 | 194.7 | 201.4 | 204.7 | 206.4 |
| 30° | 960.2 | 852.0 | 595.8 | 339.5 | 213.0 | 186.4 | 179.7 | 179.7 | 188.0 | 191.4 | 193.0 |
| 32.5° | 945.2 | 825.4 | 524.2 | 259.6 | 181.4 | 166.4 | 164.7 | 166.4 | 171.4 | 171.4 | 173.1 |
| 35° | 950.2 | 800.4 | 456.0 | 209.7 | 163.1 | 153.1 | 153.1 | 153.1 | 154.8 | 156.4 | 156.4 |
| 37.5° | 960.2 | 793.8 | 382.8 | 176.4 | 149.8 | 143.1 | 143.1 | 141.5 | 143.1 | 141.5 | 143.1 |
| 40° | 970.2 | 783.8 | 316.2 | 156.4 | 141.5 | 136.5 | 134.8 | 131.5 | 129.8 | 129.8 | 131.5 |
| 42.5° | 1011.8 | 797.1 | 259.6 | 143.1 | 134.8 | 131.5 | 126.5 | 123.1 | 121.5 | 121.5 | 121.5 |
| 45° | 1065.0 | 822.1 | 214.7 | 136.5 | 129.8 | 121.5 | 118.2 | 116.5 | 113.2 | 114.8 | 116.5 |
| 47.5° | 1144.9 | 860.4 | 188.0 | 131.5 | 124.8 | 114.8 | 111.5 | 108.2 | 108.2 | 111.5 | 111.5 |
| 50° | 1249.8 | 923.6 | 171.4 | 126.5 | 119.8 | 109.8 | 104.8 | 103.2 | 103.2 | 108.2 | 108.2 |
| 52.5° | 1362.9 | 996.8 | 164.7 | 124.8 | 114.8 | 104.8 | 99.8 | 98.2 | 98.2 | 104.8 | 104.8 |
| 55° | 1476.1 | 1086.7 | 169.7 | 124.8 | 111.5 | 99.8 | 94.9 | 91.5 | 93.2 | 98.2 | 98.2 |
| 57.5° | 1600.9 | 1183.2 | 194.7 | 124.8 | 108.2 | 98.2 | 91.5 | 86.5 | 88.2 | 89.9 | 89.9 |
| 60° | 1737.4 | 1309.7 | 238.0 | 124.8 | 106.5 | 94.9 | 86.5 | 79.9 | 79.9 | 81.5 | 81.5 |
| 62.5° | 1875.5 | 1434.5 | 299.5 | 126.5 | 108.2 | 93.2 | 79.9 | 73.2 | 71.6 | 73.2 | 73.2 |
| 65° | 2056.9 | 1634.2 | 361.1 | 126.5 | 113.2 | 89.9 | 74.9 | 66.6 | 64.9 | 64.9 | 66.6 |
| 67.5° | 2311.5 | 1777.3 | 279.6 | 121.5 | 116.5 | 89.9 | 69.9 | 61.6 | 58.2 | 58.2 | 58.2 |
| 70° | 2176.7 | 1499.4 | 178.1 | 113.2 | 111.5 | 93.2 | 66.6 | 56.6 | 53.3 | 51.6 | 51.6 |
| 72.5° | 1863.8 | 1199.8 | 143.1 | 106.5 | 103.2 | 91.5 | 63.2 | 53.3 | 48.3 | 46.6 | 46.6 |
| 75° | 1494.4 | 946.9 | 124.8 | 96.5 | 89.9 | 76.6 | 58.2 | 48.3 | 44.9 | 41.6 | 41.6 |
| 77.5° | 732.2 | 396.1 | 94.9 | 84.9 | 76.6 | 58.2 | 51.6 | 44.9 | 39.9 | 36.6 | 36.6 |
| 80° | 183.1 | 138.1 | 69.9 | 66.6 | 56.6 | 44.9 | 41.6 | 38.3 | 34.9 | 31.6 | 31.6 |
| 82.5° | 98.2 | 81.5 | 49.9 | 44.9 | 38.3 | 31.6 | 31.6 | 30.0 | 28.3 | 25.0 | 23.3 |
| 85° | 49.9 | 48.3 | 33.3 | 30.0 | 25.0 | 20.0 | 21.6 | 21.6 | 20.0 | 15.0 | 15.0 |
| 87.5° | 26.6 | 26.6 | 16.6 | 13.3 | 11.6 | 10.0 | 10.0 | 10.0 | 8.3 | 6.7 | 6.7 |
| 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)