

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: P676182

Luminaire Tested: **CCW-SA-2C-830-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676182
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-830-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T1 distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

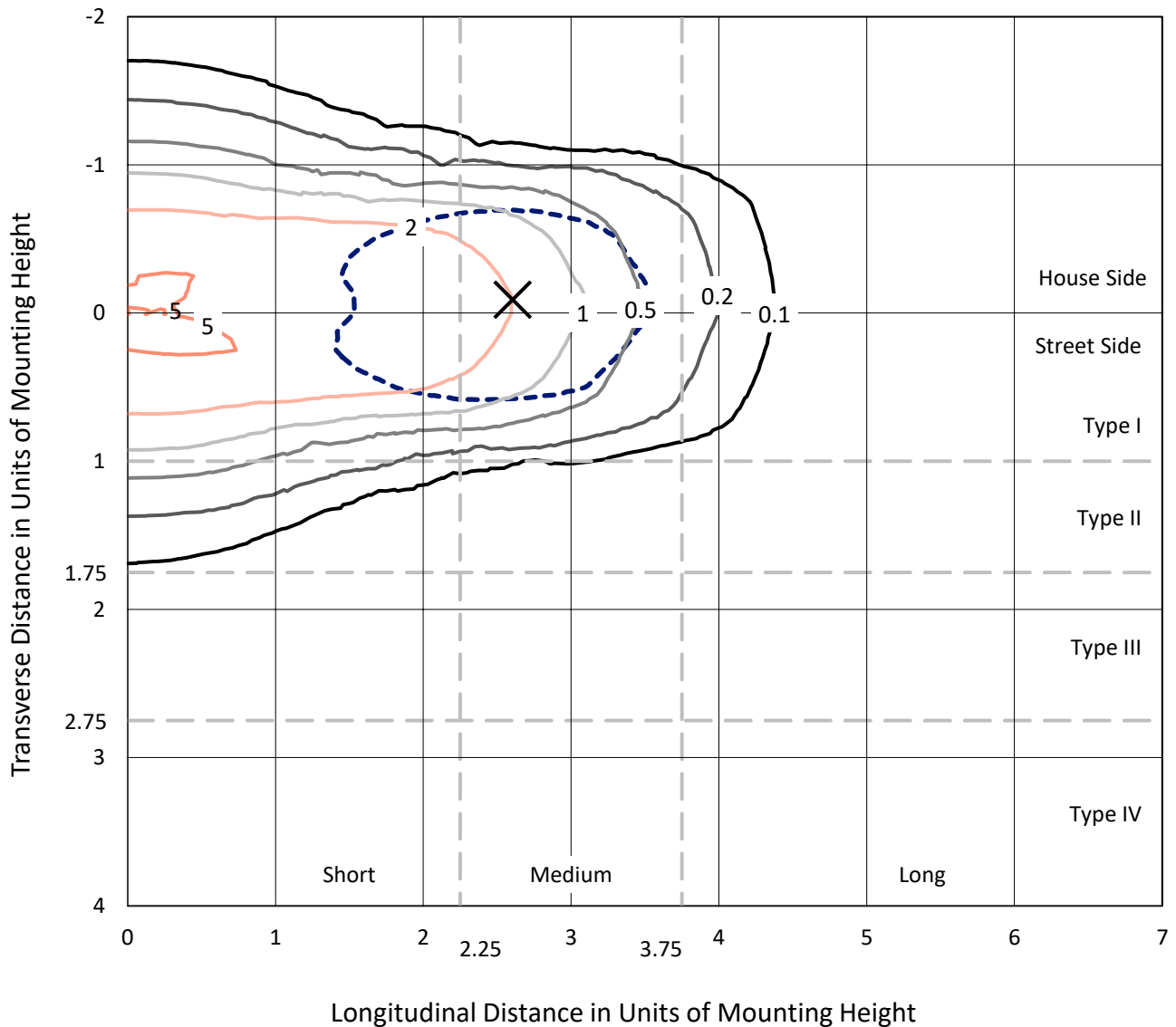
Lumens per Lamp: N/A
Luminaire Lumens: 6996 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 62.1
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

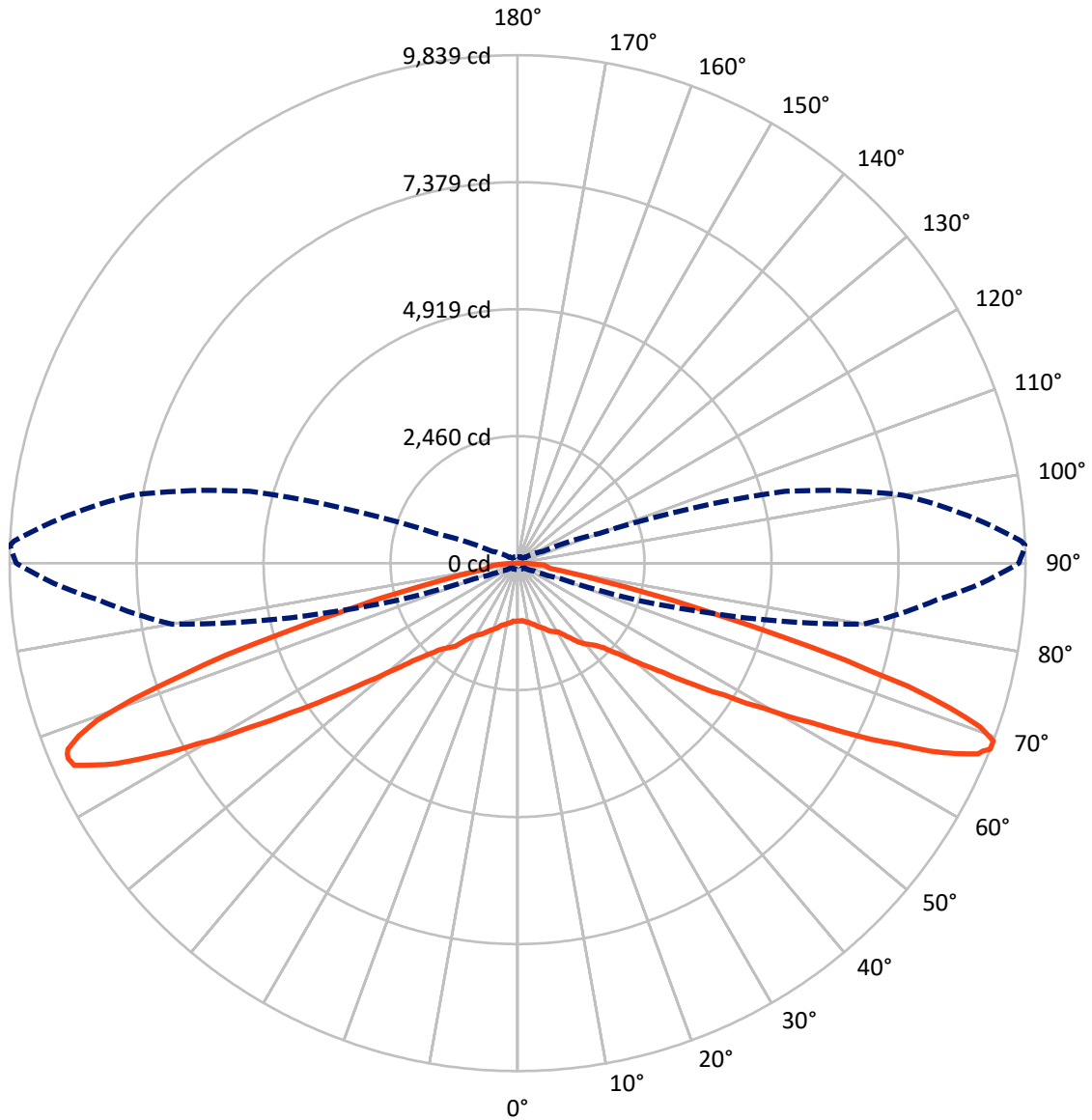
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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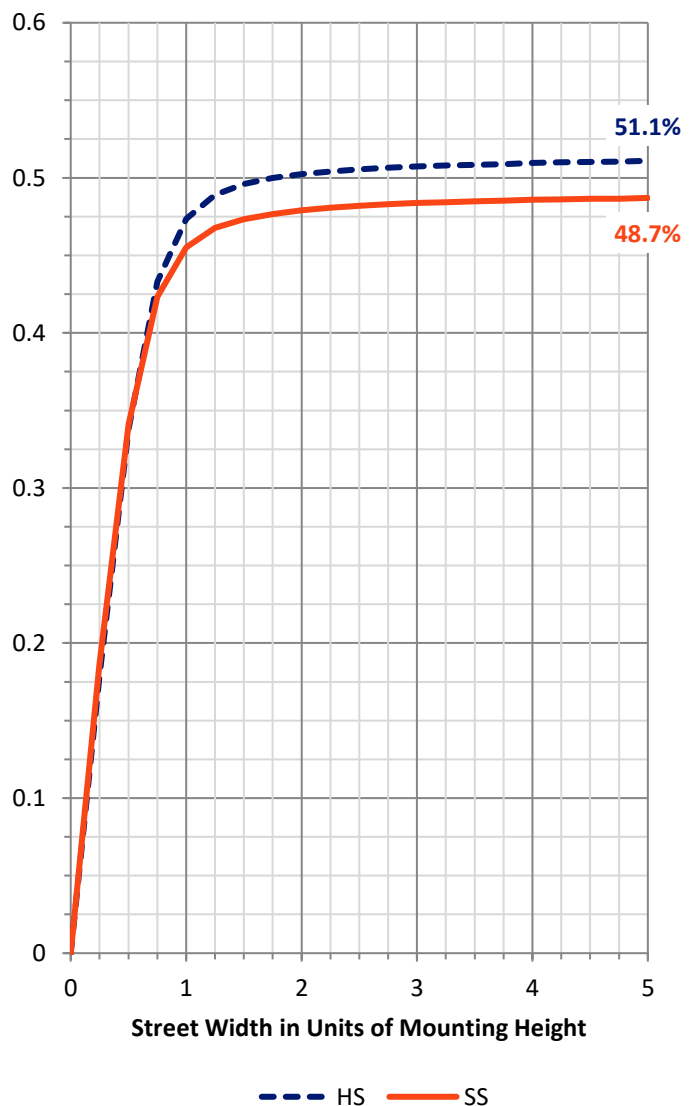
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3602.8 | 0.0 | 3602.8 |
| | % Fixture | 51.5 | 0.0 | 51.5 |
| Street Side | Lumens | 3393.2 | 0.0 | 3393.2 |
| | % Fixture | 48.5 | 0.0 | 48.5 |
| Total | Lumens | 6996.0 | 0.0 | 6996.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 112.1 | 1.6 |
| 10°-20° | 362.9 | 5.2 |
| 20°-30° | 619.4 | 8.9 |
| 30°-40° | 864.8 | 12.4 |
| 40°-50° | 1100.0 | 15.7 |
| 50°-60° | 1390.9 | 19.9 |
| 60°-70° | 1715.4 | 24.5 |
| 70°-80° | 749.3 | 10.7 |
| 80°-90° | 81.3 | 1.2 |
| 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° | 6996.0 | 100.0 |
| 0°-180° | 6996.0 | 100.0 |



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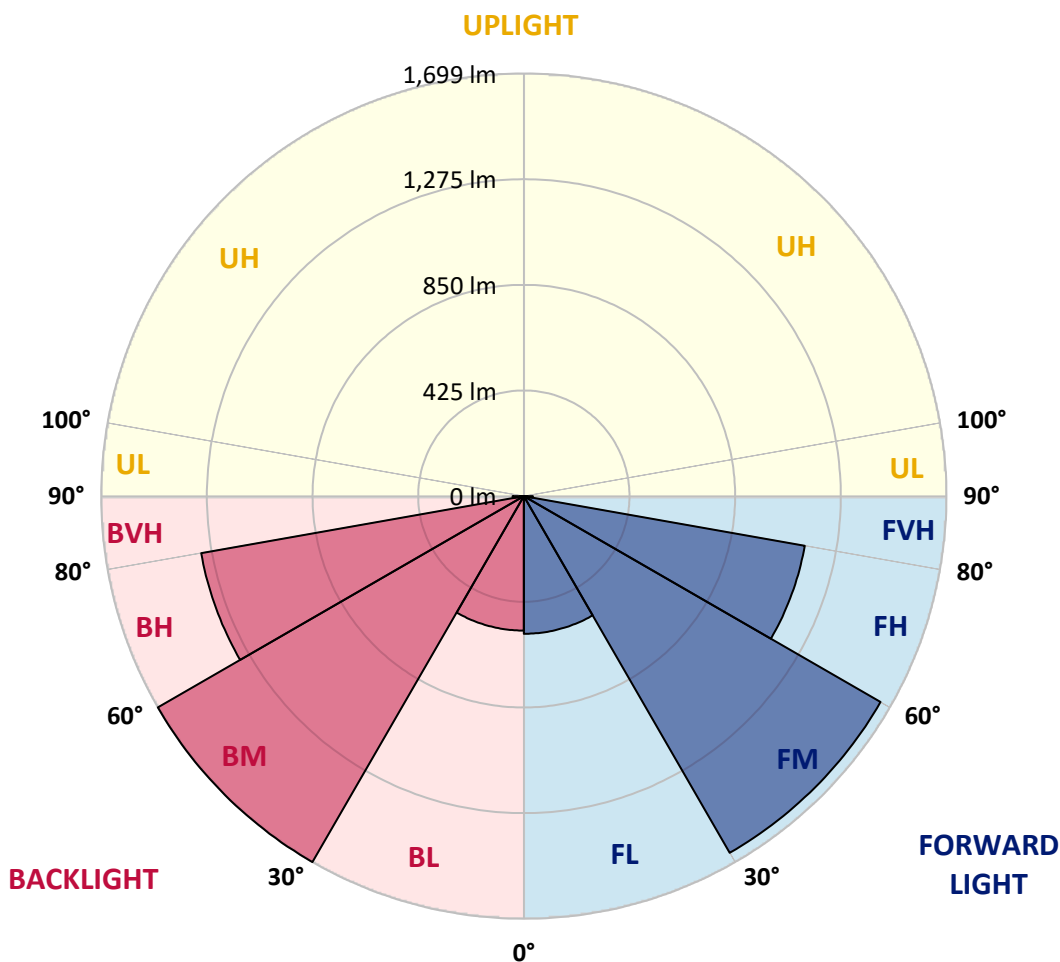
CATALOG NUMBER: CCW-SA-2C-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 553.7 | 7.9 | | | |
| FM (30°-60°) | 1656.3 | 23.7 | | | |
| FH (60°-80°) | 1147.2 | 16.4 | | | G1/1800 |
| FVH (80°-90°) | 36.0 | 0.5 | | | G1/100 |
| BL (0°-30°) | 540.7 | 7.7 | B2/1000 | | |
| BM (30°-60°) | 1699.5 | 24.3 | B2/2500 | | |
| BH (60°-80°) | 1317.5 | 18.8 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 45.2 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type I Short





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CATALOG NUMBER: CCW-SA-2C-830-U-T1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 |
| 2.5° | 1142.4 | 1141.0 | 1145.0 | 1147.6 | 1135.8 | 1139.7 | 1137.1 | 1134.5 | 1125.3 | 1121.3 | 1113.5 |
| 5° | 1173.9 | 1177.8 | 1190.9 | 1179.1 | 1184.4 | 1177.8 | 1156.8 | 1163.4 | 1151.5 | 1148.9 | 1141.0 |
| 7.5° | 1229.0 | 1221.1 | 1239.5 | 1226.4 | 1230.3 | 1217.2 | 1208.0 | 1196.2 | 1193.6 | 1175.2 | 1176.5 |
| 10° | 1240.8 | 1256.6 | 1264.5 | 1261.8 | 1264.5 | 1271.0 | 1254.0 | 1235.6 | 1210.6 | 1205.4 | 1187.0 |
| 12.5° | 1233.0 | 1247.4 | 1268.4 | 1285.5 | 1297.3 | 1299.9 | 1293.4 | 1289.4 | 1278.9 | 1248.7 | 1247.4 |
| 15° | 1225.1 | 1214.6 | 1227.7 | 1286.8 | 1326.2 | 1352.4 | 1361.6 | 1339.3 | 1341.9 | 1302.5 | 1286.8 |
| 17.5° | 1172.6 | 1156.8 | 1208.0 | 1265.8 | 1314.4 | 1372.1 | 1416.8 | 1410.2 | 1410.2 | 1378.7 | 1356.4 |
| 20° | 1103.0 | 1129.2 | 1155.5 | 1229.0 | 1318.3 | 1405.0 | 1490.3 | 1486.4 | 1470.6 | 1461.4 | 1412.8 |
| 22.5° | 1043.9 | 1055.7 | 1104.3 | 1181.7 | 1293.4 | 1414.2 | 1515.3 | 1587.5 | 1550.7 | 1513.9 | 1485.1 |
| 25° | 1003.2 | 992.7 | 1054.4 | 1134.5 | 1269.7 | 1398.4 | 1562.5 | 1637.4 | 1657.1 | 1629.5 | 1574.3 |
| 27.5° | 945.4 | 945.4 | 994.0 | 1070.1 | 1193.6 | 1390.5 | 1608.5 | 1722.7 | 1751.6 | 1710.9 | 1630.8 |
| 30° | 879.7 | 887.6 | 929.6 | 1016.3 | 1137.1 | 1332.7 | 1626.9 | 1821.2 | 1844.8 | 1809.4 | 1726.7 |
| 32.5° | 828.5 | 828.5 | 875.8 | 967.7 | 1097.7 | 1306.5 | 1615.1 | 1918.4 | 1963.0 | 1936.7 | 1851.4 |
| 35° | 773.4 | 769.4 | 803.6 | 904.7 | 1034.7 | 1255.3 | 1611.1 | 1995.8 | 2095.6 | 2096.9 | 2007.7 |
| 37.5° | 694.6 | 710.4 | 753.7 | 833.8 | 984.8 | 1205.4 | 1599.3 | 2089.1 | 2267.6 | 2297.8 | 2236.1 |
| 40° | 642.1 | 648.6 | 688.0 | 776.0 | 907.3 | 1146.3 | 1582.2 | 2165.2 | 2381.9 | 2485.6 | 2400.3 |
| 42.5° | 565.9 | 575.1 | 605.3 | 714.3 | 832.5 | 1062.3 | 1507.4 | 2219.1 | 2544.7 | 2662.9 | 2590.6 |
| 45° | 485.8 | 491.1 | 535.7 | 625.0 | 752.4 | 962.5 | 1427.3 | 2305.7 | 2702.3 | 2943.9 | 2901.8 |
| 47.5° | 390.0 | 392.6 | 430.7 | 523.9 | 656.5 | 862.7 | 1303.9 | 2301.8 | 2829.6 | 3224.9 | 3343.0 |
| 50° | 304.6 | 311.2 | 340.1 | 416.2 | 541.0 | 740.6 | 1160.7 | 2270.3 | 2989.8 | 3545.2 | 3777.6 |
| 52.5° | 242.9 | 244.2 | 262.6 | 323.0 | 417.6 | 618.4 | 1007.1 | 2170.5 | 3140.8 | 3859.1 | 4310.7 |
| 55° | 200.9 | 200.9 | 211.4 | 248.2 | 320.4 | 470.1 | 827.2 | 2005.0 | 3159.2 | 4205.7 | 4892.4 |
| 56° | 193.0 | 190.4 | 199.6 | 231.1 | 288.9 | 424.1 | 743.2 | 1893.4 | 3185.5 | 4365.9 | 5183.9 |
| 57° | 182.5 | 183.8 | 189.1 | 211.4 | 260.0 | 375.5 | 650.0 | 1784.4 | 3167.1 | 4497.2 | 5399.3 |
| 58° | 177.3 | 174.6 | 185.1 | 199.6 | 229.8 | 333.5 | 585.6 | 1655.8 | 3138.2 | 4604.9 | 5713.1 |
| 59° | 169.4 | 168.1 | 174.6 | 187.8 | 214.0 | 296.7 | 506.8 | 1516.6 | 3081.7 | 4744.1 | 5946.8 |
| 60° | 166.8 | 165.4 | 168.1 | 178.6 | 197.0 | 260.0 | 446.4 | 1353.8 | 2930.7 | 4887.2 | 6237.0 |
| 61° | 158.9 | 160.2 | 165.4 | 172.0 | 186.5 | 233.7 | 401.8 | 1187.0 | 2832.3 | 5008.0 | 6557.4 |
| 62° | 160.2 | 157.6 | 160.2 | 165.4 | 175.9 | 215.3 | 351.9 | 1022.9 | 2656.3 | 5144.5 | 6797.7 |
| 63° | 152.3 | 151.0 | 154.9 | 161.5 | 166.8 | 194.3 | 307.3 | 883.7 | 2456.7 | 5176.0 | 7001.2 |
| 64° | 149.7 | 148.4 | 149.7 | 158.9 | 160.2 | 182.5 | 271.8 | 755.0 | 2167.8 | 5229.9 | 7262.5 |
| 65° | 143.1 | 143.1 | 145.7 | 149.7 | 154.9 | 172.0 | 242.9 | 655.2 | 1880.3 | 5088.1 | 7342.6 |
| 66° | 137.9 | 139.2 | 139.2 | 145.7 | 149.7 | 160.2 | 223.2 | 556.7 | 1604.5 | 4862.2 | 7420.1 |
| 67° | 133.9 | 133.9 | 135.2 | 140.5 | 144.4 | 151.0 | 200.9 | 481.9 | 1353.8 | 4593.1 | 7300.6 |
| 67.5° | 131.3 | 132.6 | 132.6 | 137.9 | 141.8 | 151.0 | 191.7 | 456.9 | 1210.6 | 4297.6 | 7211.3 |
| 68° | 127.4 | 128.7 | 128.7 | 133.9 | 137.9 | 145.7 | 185.1 | 417.6 | 1116.1 | 4105.9 | 7045.8 |
| 69° | 124.7 | 123.4 | 123.4 | 128.7 | 133.9 | 139.2 | 172.0 | 365.0 | 887.6 | 3570.2 | 6804.2 |
| 70° | 116.9 | 116.9 | 119.5 | 123.4 | 127.4 | 132.6 | 158.9 | 321.7 | 751.1 | 2955.7 | 6181.8 |
| 71° | 112.9 | 111.6 | 112.9 | 116.9 | 120.8 | 127.4 | 145.7 | 284.9 | 614.5 | 2454.1 | 5570.0 |
| 72° | 105.0 | 107.7 | 107.7 | 111.6 | 115.5 | 119.5 | 136.6 | 248.2 | 516.0 | 1961.7 | 4896.4 |
| 72.5° | 103.7 | 103.7 | 105.0 | 109.0 | 111.6 | 118.2 | 131.3 | 237.7 | 471.4 | 1729.3 | 4614.1 |
| 73° | 99.8 | 99.8 | 101.1 | 105.0 | 107.7 | 114.2 | 127.4 | 214.0 | 429.4 | 1538.9 | 4086.2 |
| 74° | 95.9 | 94.5 | 94.5 | 99.8 | 101.1 | 107.7 | 119.5 | 189.1 | 359.8 | 1159.4 | 3280.0 |
| 75° | 89.3 | 89.3 | 90.6 | 93.2 | 94.5 | 99.8 | 110.3 | 168.1 | 303.3 | 899.4 | 2565.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|------|------|------|------|------|------|------|-------|-------|-------|--------|
| 77.5° | 73.5 | 74.8 | 76.2 | 78.8 | 78.8 | 82.7 | 90.6 | 116.9 | 185.1 | 455.6 | 1177.8 |
| 80° | 53.8 | 56.5 | 60.4 | 64.3 | 63.0 | 63.0 | 70.9 | 84.0 | 110.3 | 204.8 | 451.7 |
| 82.5° | 43.3 | 46.0 | 42.0 | 47.3 | 47.3 | 44.6 | 51.2 | 61.7 | 74.8 | 101.1 | 161.5 |
| 85° | 28.9 | 30.2 | 24.9 | 28.9 | 27.6 | 27.6 | 34.1 | 36.8 | 46.0 | 56.5 | 80.1 |
| 87.5° | 13.1 | 13.1 | 10.5 | 11.8 | 11.8 | 11.8 | 17.1 | 13.1 | 19.7 | 27.6 | 47.3 |
| 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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CATALOG NUMBER: CCW-SA-2C-830-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 |
| 2.5° | 1121.3 | 1126.6 | 1126.6 | 1121.3 | 1117.4 | 1121.3 | 1118.7 | 1112.2 | 1118.7 | 1121.3 | 1122.7 |
| 5° | 1137.1 | 1126.6 | 1131.8 | 1120.0 | 1127.9 | 1126.6 | 1124.0 | 1130.5 | 1131.8 | 1131.8 | 1141.0 |
| 7.5° | 1154.2 | 1167.3 | 1150.2 | 1151.5 | 1155.5 | 1139.7 | 1145.0 | 1147.6 | 1142.4 | 1152.9 | 1160.7 |
| 10° | 1184.4 | 1189.6 | 1184.4 | 1164.7 | 1177.8 | 1167.3 | 1163.4 | 1175.2 | 1172.6 | 1175.2 | 1187.0 |
| 12.5° | 1211.9 | 1221.1 | 1206.7 | 1205.4 | 1198.8 | 1189.6 | 1194.9 | 1193.6 | 1211.9 | 1214.6 | 1229.0 |
| 15° | 1268.4 | 1244.8 | 1239.5 | 1238.2 | 1235.6 | 1231.6 | 1234.3 | 1235.6 | 1259.2 | 1263.2 | 1297.3 |
| 17.5° | 1317.0 | 1313.1 | 1284.2 | 1294.7 | 1294.7 | 1278.9 | 1272.3 | 1294.7 | 1313.1 | 1332.7 | 1356.4 |
| 20° | 1366.9 | 1362.9 | 1331.4 | 1332.7 | 1320.9 | 1335.4 | 1327.5 | 1348.5 | 1380.0 | 1386.6 | 1407.6 |
| 22.5° | 1426.0 | 1408.9 | 1386.6 | 1389.2 | 1393.1 | 1382.6 | 1377.4 | 1406.3 | 1437.8 | 1456.2 | 1457.5 |
| 25° | 1519.2 | 1475.9 | 1457.5 | 1460.1 | 1454.9 | 1447.0 | 1450.9 | 1487.7 | 1503.4 | 1542.8 | 1535.0 |
| 27.5° | 1569.1 | 1544.1 | 1531.0 | 1500.8 | 1502.1 | 1490.3 | 1506.1 | 1561.2 | 1592.7 | 1622.9 | 1562.5 |
| 30° | 1629.5 | 1613.7 | 1556.0 | 1545.5 | 1544.1 | 1538.9 | 1567.8 | 1638.7 | 1686.0 | 1703.0 | 1616.4 |
| 32.5° | 1747.7 | 1684.6 | 1670.2 | 1661.0 | 1640.0 | 1646.6 | 1661.0 | 1754.2 | 1829.1 | 1825.1 | 1666.3 |
| 35° | 1882.9 | 1839.6 | 1798.9 | 1791.0 | 1788.4 | 1770.0 | 1794.9 | 1903.9 | 1961.7 | 1944.6 | 1684.6 |
| 37.5° | 2099.6 | 2033.9 | 1978.8 | 1948.6 | 1943.3 | 1930.2 | 1989.3 | 2075.9 | 2150.8 | 2083.8 | 1699.1 |
| 40° | 2205.9 | 2132.4 | 2081.2 | 2062.8 | 2066.7 | 2085.1 | 2142.9 | 2275.5 | 2308.3 | 2184.9 | 1710.9 |
| 42.5° | 2358.2 | 2278.1 | 2177.0 | 2167.8 | 2156.0 | 2165.2 | 2276.8 | 2455.4 | 2483.0 | 2321.5 | 1666.3 |
| 45° | 2628.7 | 2507.9 | 2391.1 | 2338.5 | 2341.2 | 2366.1 | 2539.4 | 2735.1 | 2683.9 | 2416.0 | 1595.4 |
| 47.5° | 2970.1 | 2792.9 | 2698.3 | 2627.4 | 2661.6 | 2634.0 | 2909.7 | 3066.0 | 2891.3 | 2535.5 | 1508.7 |
| 50° | 3483.5 | 3235.4 | 3106.7 | 3021.3 | 3035.8 | 3059.4 | 3339.1 | 3471.7 | 3121.1 | 2593.3 | 1376.1 |
| 52.5° | 4130.9 | 3811.8 | 3622.7 | 3508.5 | 3519.0 | 3570.2 | 3931.3 | 3890.6 | 3383.7 | 2641.9 | 1198.8 |
| 55° | 4905.6 | 4577.3 | 4211.0 | 4163.7 | 4151.9 | 4274.0 | 4671.8 | 4329.1 | 3620.1 | 2564.4 | 1015.0 |
| 56° | 5315.2 | 4966.0 | 4585.2 | 4488.0 | 4459.1 | 4544.5 | 5011.9 | 4548.4 | 3701.5 | 2477.7 | 927.0 |
| 57° | 5663.2 | 5329.7 | 4912.1 | 4746.7 | 4783.4 | 4943.6 | 5349.4 | 4754.6 | 3776.3 | 2388.4 | 844.3 |
| 58° | 6141.1 | 5760.4 | 5319.2 | 5193.1 | 5160.3 | 5287.7 | 5713.1 | 4962.0 | 3801.3 | 2296.5 | 768.1 |
| 59° | 6617.8 | 6160.8 | 5763.0 | 5533.2 | 5542.4 | 5774.8 | 6071.5 | 5208.9 | 3839.4 | 2179.7 | 671.0 |
| 60° | 6980.2 | 6750.4 | 6218.6 | 6046.6 | 6023.0 | 6359.1 | 6428.7 | 5374.3 | 3880.1 | 2022.1 | 602.7 |
| 61° | 7493.6 | 7194.2 | 6699.2 | 6477.3 | 6541.6 | 6810.8 | 6814.7 | 5581.8 | 3819.7 | 1822.5 | 518.7 |
| 62° | 7862.5 | 7783.8 | 7263.8 | 7052.4 | 7032.7 | 7389.9 | 7216.5 | 5764.3 | 3767.1 | 1633.4 | 458.3 |
| 63° | 8294.5 | 8294.5 | 7820.5 | 7655.1 | 7664.3 | 7946.6 | 7391.2 | 5946.8 | 3706.7 | 1424.7 | 403.1 |
| 64° | 8519.1 | 8801.4 | 8364.1 | 8131.7 | 8192.1 | 8436.4 | 7702.4 | 6066.3 | 3520.3 | 1213.3 | 354.5 |
| 65° | 8713.4 | 9137.5 | 8894.6 | 8786.9 | 8695.0 | 8839.5 | 7971.5 | 6177.9 | 3235.4 | 1032.1 | 315.1 |
| 66° | 8877.5 | 9454.0 | 9373.9 | 9258.3 | 9249.1 | 9216.3 | 8024.1 | 6174.0 | 2941.2 | 871.9 | 275.7 |
| 67° | 8794.8 | 9460.5 | 9606.3 | 9654.9 | 9640.4 | 9293.8 | 7932.1 | 6033.5 | 2564.4 | 736.6 | 245.5 |
| 67.5° | 8720.0 | 9406.7 | 9745.5 | 9717.9 | 9778.3 | 9359.4 | 7947.9 | 5861.5 | 2296.5 | 667.0 | 231.1 |
| 68° | 8654.3 | 9334.5 | 9801.9 | 9837.4 | 9807.2 | 9367.3 | 7861.2 | 5724.9 | 2114.0 | 626.3 | 218.0 |
| 69° | 8156.7 | 8991.8 | 9711.3 | 9838.7 | 9761.2 | 9066.6 | 7585.5 | 5369.1 | 1679.4 | 534.4 | 200.9 |
| 70° | 7657.7 | 8548.0 | 9271.5 | 9505.2 | 9409.3 | 8484.9 | 7237.5 | 4803.1 | 1385.3 | 456.9 | 181.2 |
| 71° | 6967.0 | 7723.4 | 8685.8 | 8826.3 | 8710.8 | 7823.2 | 6518.0 | 4205.7 | 1078.0 | 387.3 | 161.5 |
| 72° | 6029.5 | 6671.6 | 7590.7 | 7930.8 | 7760.1 | 6871.2 | 5790.6 | 3475.6 | 873.2 | 325.6 | 147.1 |
| 72.5° | 5564.7 | 6222.5 | 7108.9 | 7136.4 | 7169.3 | 6457.6 | 5482.0 | 3052.8 | 761.6 | 302.0 | 143.1 |
| 73° | 5123.5 | 5768.2 | 6535.1 | 6632.2 | 6493.0 | 5760.4 | 5021.1 | 2729.8 | 695.9 | 275.7 | 137.9 |
| 74° | 4151.9 | 4519.5 | 5155.0 | 5249.6 | 5127.5 | 4696.8 | 4103.3 | 2093.0 | 554.1 | 237.7 | 126.1 |
| 75° | 3266.9 | 3469.1 | 4044.2 | 3986.4 | 3803.9 | 3652.9 | 3181.5 | 1599.3 | 449.1 | 208.8 | 116.9 |



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 CATALOG NUMBER: CCW-SA-2C-830-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 77.5° | 1468.0 | 1590.1 | 1686.0 | 1686.0 | 1696.5 | 1619.0 | 1466.7 | 734.0 | 277.1 | 151.0 | 95.9 |
| 80° | 559.4 | 626.3 | 647.3 | 648.6 | 657.8 | 681.5 | 634.2 | 361.1 | 164.1 | 107.7 | 77.5 |
| 82.5° | 405.7 | 567.2 | 610.6 | 579.1 | 581.7 | 525.2 | 242.9 | 160.2 | 103.7 | 74.8 | 56.5 |
| 85° | 367.7 | 493.7 | 522.6 | 518.7 | 520.0 | 485.8 | 143.1 | 78.8 | 60.4 | 47.3 | 39.4 |
| 87.5° | 178.6 | 174.6 | 185.1 | 208.8 | 203.5 | 263.9 | 120.8 | 39.4 | 26.3 | 19.7 | 19.7 |
| 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):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|
| 0° | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 | 1118.7 |
| 2.5° | 1112.2 | 1110.8 | 1129.2 | 1110.8 | 1121.3 | 1113.5 |
| 5° | 1125.3 | 1130.5 | 1134.5 | 1142.4 | 1124.0 | 1142.4 |
| 7.5° | 1164.7 | 1169.9 | 1171.2 | 1177.8 | 1169.9 | 1168.6 |
| 10° | 1194.9 | 1208.0 | 1215.9 | 1189.6 | 1205.4 | 1204.1 |
| 12.5° | 1254.0 | 1240.8 | 1239.5 | 1234.3 | 1219.8 | 1214.6 |
| 15° | 1296.0 | 1276.3 | 1264.5 | 1243.5 | 1226.4 | 1219.8 |
| 17.5° | 1355.1 | 1317.0 | 1268.4 | 1225.1 | 1194.9 | 1171.2 |
| 20° | 1391.8 | 1323.6 | 1226.4 | 1175.2 | 1129.2 | 1139.7 |
| 22.5° | 1415.5 | 1317.0 | 1188.3 | 1122.7 | 1076.7 | 1089.8 |
| 25° | 1423.3 | 1284.2 | 1162.0 | 1080.6 | 1036.0 | 1026.8 |
| 27.5° | 1401.0 | 1246.1 | 1110.8 | 1018.9 | 979.5 | 987.4 |
| 30° | 1390.5 | 1190.9 | 1063.6 | 973.0 | 920.4 | 928.3 |
| 32.5° | 1362.9 | 1134.5 | 1000.5 | 908.6 | 870.6 | 857.4 |
| 35° | 1323.6 | 1087.2 | 940.1 | 853.5 | 807.5 | 797.0 |
| 37.5° | 1275.0 | 1028.1 | 887.6 | 782.6 | 741.9 | 734.0 |
| 40° | 1202.8 | 957.2 | 811.5 | 720.9 | 673.6 | 672.3 |
| 42.5° | 1139.7 | 888.9 | 740.6 | 647.3 | 600.1 | 602.7 |
| 45° | 1059.6 | 797.0 | 659.2 | 579.1 | 531.8 | 534.4 |
| 47.5° | 957.2 | 711.7 | 581.7 | 492.4 | 453.0 | 450.4 |
| 50° | 836.4 | 614.5 | 487.1 | 411.0 | 378.2 | 371.6 |
| 52.5° | 720.9 | 516.0 | 399.2 | 330.9 | 303.3 | 300.7 |
| 55° | 575.1 | 401.8 | 311.2 | 260.0 | 239.0 | 240.3 |
| 56° | 522.6 | 370.3 | 283.6 | 237.7 | 221.9 | 221.9 |
| 57° | 472.7 | 328.3 | 257.4 | 219.3 | 204.8 | 204.8 |
| 58° | 417.6 | 288.9 | 233.7 | 198.3 | 191.7 | 186.5 |
| 59° | 379.5 | 262.6 | 211.4 | 187.8 | 177.3 | 175.9 |
| 60° | 334.8 | 236.3 | 197.0 | 175.9 | 168.1 | 166.8 |
| 61° | 296.7 | 212.7 | 181.2 | 164.1 | 161.5 | 161.5 |
| 62° | 265.2 | 197.0 | 168.1 | 158.9 | 157.6 | 153.6 |
| 63° | 237.7 | 181.2 | 161.5 | 151.0 | 147.1 | 151.0 |
| 64° | 212.7 | 166.8 | 156.3 | 148.4 | 143.1 | 145.7 |
| 65° | 193.0 | 160.2 | 149.7 | 144.4 | 139.2 | 140.5 |
| 66° | 179.9 | 149.7 | 144.4 | 137.9 | 135.2 | 136.6 |
| 67° | 162.8 | 144.4 | 139.2 | 132.6 | 131.3 | 132.6 |
| 67.5° | 157.6 | 140.5 | 136.6 | 130.0 | 128.7 | 130.0 |
| 68° | 153.6 | 137.9 | 135.2 | 128.7 | 127.4 | 126.1 |
| 69° | 143.1 | 132.6 | 128.7 | 126.1 | 123.4 | 122.1 |
| 70° | 133.9 | 127.4 | 124.7 | 120.8 | 118.2 | 116.9 |
| 71° | 128.7 | 120.8 | 119.5 | 115.5 | 112.9 | 111.6 |
| 72° | 122.1 | 116.9 | 114.2 | 109.0 | 107.7 | 109.0 |
| 72.5° | 120.8 | 114.2 | 112.9 | 107.7 | 106.4 | 106.4 |
| 73° | 116.9 | 109.0 | 110.3 | 105.0 | 102.4 | 105.0 |
| 74° | 109.0 | 106.4 | 103.7 | 99.8 | 98.5 | 98.5 |
| 75° | 102.4 | 99.8 | 97.2 | 94.5 | 94.5 | 94.5 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|
| 77.5° | 86.7 | 85.3 | 86.7 | 81.4 | 80.1 | 78.8 |
| 80° | 69.6 | 69.6 | 70.9 | 67.0 | 64.3 | 63.0 |
| 82.5° | 52.5 | 53.8 | 56.5 | 52.5 | 49.9 | 47.3 |
| 85° | 34.1 | 35.5 | 35.5 | 31.5 | 36.8 | 34.1 |
| 87.5° | 17.1 | 18.4 | 17.1 | 15.8 | 18.4 | 18.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)