

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: P671730

Luminaire Tested: **CCP-SA-2C-830-U-SLL**

Issue Date: 04/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P671730  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-830-U-SLL  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SLL  
distribution lens  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5961.1 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

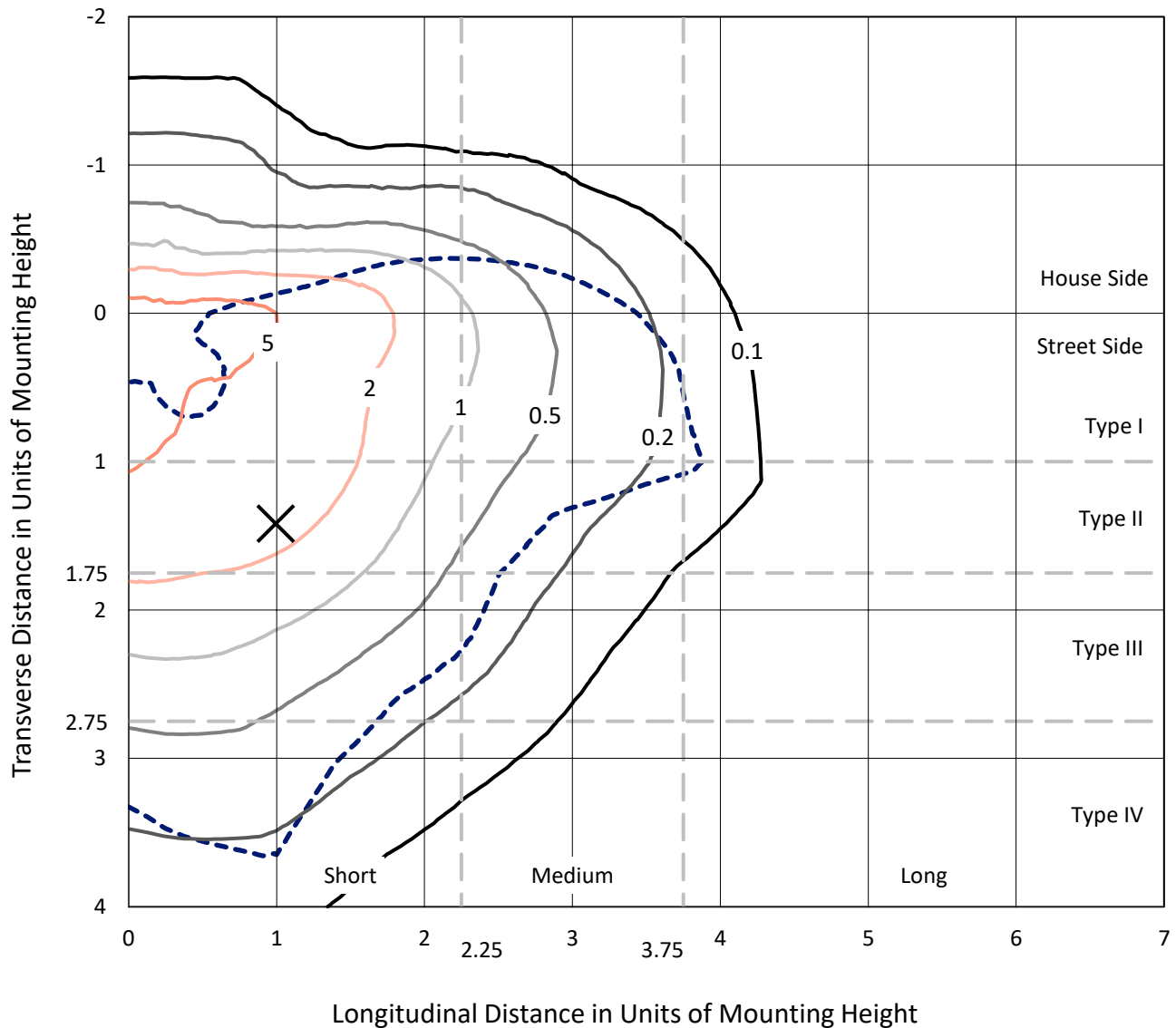
Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

REPORT NUMBER: P671730

CATALOG NUMBER: CCP-SA-2C-830-U-SLL

## Iso-Footcandle Lines of Horizontal Illumination

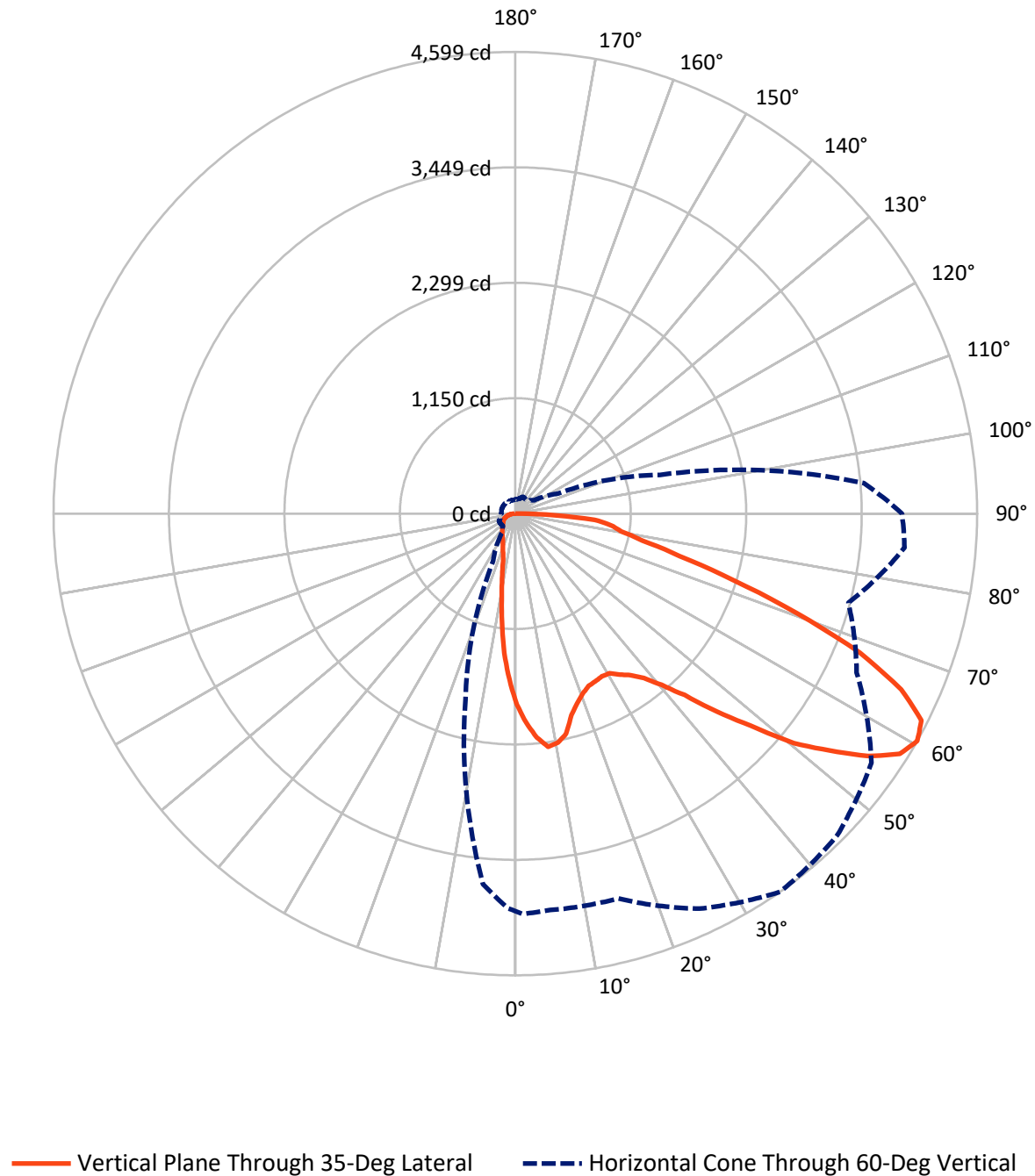
× Max cd  
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.6 fc  
Type IV - Short - N/A

REPORT NUMBER: P671730  
CATALOG NUMBER: CCP-SA-2C-830-U-SLL

## Luminous Intensity Polar Plot



REPORT NUMBER: P671730

CATALOG NUMBER: CCP-SA-2C-830-U-SLL

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1134.5   | 0.0    | 1134.5 |
|                    | % Fixture | 19.0     | 0.0    | 19.0   |
| <b>Street Side</b> | Lumens    | 4826.6   | 0.0    | 4826.6 |
|                    | % Fixture | 81.0     | 0.0    | 81.0   |
| <b>Total</b>       | Lumens    | 5961.1   | 0.0    | 5961.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 147.9  | 2.5       |
| 10°-20°   | 312.3  | 5.2       |
| 20°-30°   | 456.9  | 7.7       |
| 30°-40°   | 643.8  | 10.8      |
| 40°-50°   | 884.7  | 14.8      |
| 50°-60°   | 1205.8 | 20.2      |
| 60°-70°   | 1319.7 | 22.1      |
| 70°-80°   | 761.9  | 12.8      |
| 80°-90°   | 228.2  | 3.8       |
| 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°    | 5961.1 | 100.0     |
| 0°-180°   | 5961.1 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P671730

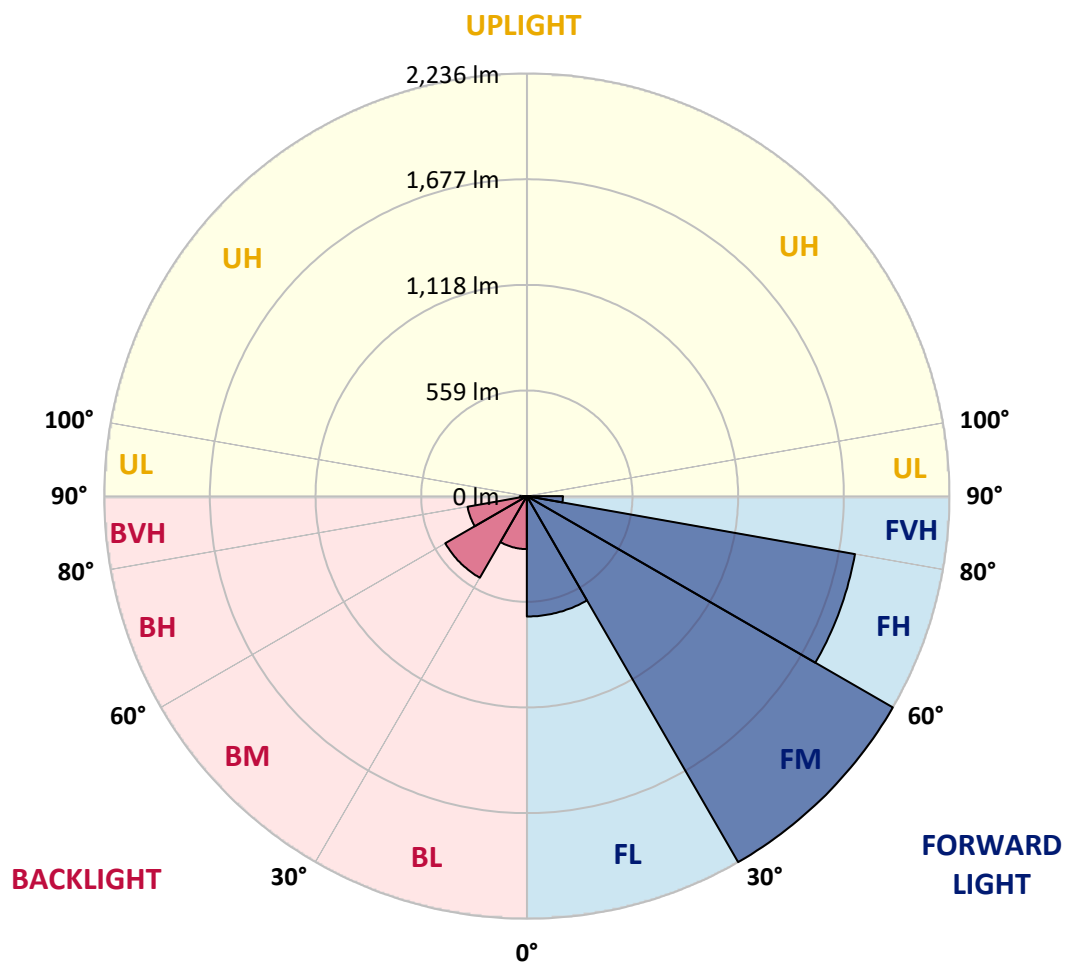
CATALOG NUMBER: CCP-SA-2C-830-U-SLL

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 636.8  | 10.7      |                         |      |         |
| FM   | (30°-60°)   | 2235.9 | 37.5      |                         |      |         |
| FH   | (60°-80°)   | 1762.9 | 29.6      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 191.0  | 3.2       |                         |      | G2/225  |
| BL   | (0°-30°)    | 280.3  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 498.4  | 8.4       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 318.6  | 5.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 37.2   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type IV Short





REPORT NUMBER: P671730

CATALOG NUMBER: CCP-SA-2C-830-U-SLL

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 |
| 2.5°  | 2038.8 | 2030.9 | 2038.8 | 2067.9 | 2075.8 | 2089.0 | 2089.0 | 2070.5 | 2036.2 | 2020.3 | 1993.8 |
| 5°    | 2083.8 | 2070.5 | 2136.6 | 2197.5 | 2245.1 | 2239.8 | 2194.8 | 2157.8 | 2089.0 | 1985.9 | 1888.1 |
| 7.5°  | 1993.8 | 2007.1 | 2054.7 | 2213.3 | 2324.4 | 2345.5 | 2274.1 | 2200.1 | 2052.0 | 1909.2 | 1777.0 |
| 10°   | 1824.6 | 1843.1 | 1946.2 | 2110.2 | 2284.7 | 2319.1 | 2274.1 | 2184.2 | 2007.1 | 1829.9 | 1676.5 |
| 12.5° | 1742.6 | 1784.9 | 1845.8 | 2044.1 | 2168.4 | 2250.3 | 2229.2 | 2171.0 | 1972.7 | 1763.8 | 1615.7 |
| 15°   | 1742.6 | 1753.2 | 1843.1 | 2009.7 | 2081.1 | 2083.8 | 2091.7 | 2102.3 | 1983.3 | 1792.9 | 1594.5 |
| 17.5° | 1798.2 | 1827.2 | 1903.9 | 2007.1 | 2020.3 | 1988.6 | 1988.6 | 2033.5 | 2004.4 | 1874.8 | 1671.2 |
| 20°   | 1933.0 | 1922.4 | 2022.9 | 2065.2 | 1993.8 | 1914.5 | 1906.6 | 1983.3 | 2028.2 | 1962.1 | 1811.4 |
| 22.5° | 2067.9 | 2115.5 | 2197.5 | 2102.3 | 1970.0 | 1864.3 | 1853.7 | 1948.9 | 2099.6 | 2112.8 | 1972.7 |
| 25°   | 2271.5 | 2319.1 | 2361.4 | 2245.1 | 1967.4 | 1851.0 | 1859.0 | 1933.0 | 2186.9 | 2327.0 | 2242.4 |
| 27.5° | 2491.0 | 2520.1 | 2580.9 | 2401.1 | 2030.9 | 1835.2 | 1843.1 | 1954.2 | 2268.9 | 2467.2 | 2454.0 |
| 30°   | 2615.3 | 2647.0 | 2633.8 | 2430.2 | 2073.2 | 1845.8 | 1824.6 | 1983.3 | 2223.9 | 2467.2 | 2591.5 |
| 32.5° | 2736.9 | 2718.4 | 2710.5 | 2477.8 | 2126.1 | 1911.9 | 1859.0 | 2044.1 | 2250.3 | 2506.8 | 2768.6 |
| 35°   | 2885.0 | 2858.5 | 2837.4 | 2570.3 | 2213.3 | 1975.3 | 1951.5 | 2123.4 | 2308.5 | 2588.8 | 2911.4 |
| 37.5° | 3048.9 | 3048.9 | 2945.8 | 2639.1 | 2316.5 | 2078.5 | 2052.0 | 2237.1 | 2401.1 | 2639.1 | 3107.1 |
| 40°   | 3242.0 | 3249.9 | 3067.5 | 2731.6 | 2432.8 | 2242.4 | 2234.5 | 2385.2 | 2491.0 | 2713.1 | 3294.9 |
| 42.5° | 3384.8 | 3390.1 | 3173.2 | 2766.0 | 2567.7 | 2469.8 | 2504.2 | 2623.2 | 2594.1 | 2779.2 | 3308.1 |
| 45°   | 3482.6 | 3456.2 | 3247.3 | 2863.8 | 2715.8 | 2810.9 | 2821.5 | 2855.9 | 2729.0 | 2818.9 | 3361.0 |
| 47.5° | 3530.2 | 3524.9 | 3279.0 | 2977.5 | 3027.8 | 3157.4 | 3218.2 | 3170.6 | 2853.3 | 2776.6 | 3361.0 |
| 50°   | 3577.8 | 3532.9 | 3308.1 | 3133.6 | 3331.9 | 3593.7 | 3580.5 | 3493.2 | 3025.1 | 2829.5 | 3310.7 |
| 52.5° | 3609.5 | 3569.9 | 3366.3 | 3273.7 | 3622.8 | 3918.9 | 3971.8 | 3810.5 | 3226.1 | 2927.3 | 3334.5 |
| 55°   | 3723.3 | 3691.5 | 3540.8 | 3464.1 | 3958.6 | 4262.7 | 4270.6 | 4045.9 | 3437.7 | 3088.6 | 3490.5 |
| 57.5° | 3860.8 | 3879.3 | 3781.4 | 3733.8 | 4215.1 | 4513.9 | 4484.8 | 4220.4 | 3617.5 | 3284.3 | 3670.4 |
| 60°   | 3958.6 | 3987.7 | 3963.9 | 3969.2 | 4342.0 | 4598.5 | 4532.4 | 4328.8 | 3749.7 | 3432.4 | 3889.8 |
| 62.5° | 3905.7 | 3963.9 | 4061.7 | 4040.6 | 4347.3 | 4537.7 | 4445.2 | 4186.0 | 3765.6 | 3625.4 | 4056.4 |
| 65°   | 3760.3 | 3765.6 | 3956.0 | 4072.3 | 4109.3 | 4223.0 | 4101.4 | 3887.2 | 3601.6 | 3744.4 | 4032.6 |
| 67.5° | 3387.4 | 3429.7 | 3601.6 | 3829.0 | 3673.0 | 3699.5 | 3688.9 | 3379.5 | 3353.0 | 3662.4 | 3850.2 |
| 70°   | 2990.8 | 3019.9 | 3207.6 | 3474.7 | 3101.8 | 2977.5 | 3001.3 | 2771.3 | 2879.7 | 3408.6 | 3482.6 |
| 72.5° | 2472.5 | 2491.0 | 2705.2 | 2940.5 | 2488.3 | 2266.2 | 2321.7 | 2134.0 | 2287.4 | 2982.8 | 2937.9 |
| 75°   | 1866.9 | 1901.3 | 2067.9 | 2345.5 | 1832.5 | 1689.7 | 1745.3 | 1668.6 | 1811.4 | 2456.6 | 2279.4 |
| 77.5° | 1327.5 | 1301.0 | 1507.3 | 1835.2 | 1377.7 | 1293.1 | 1298.4 | 1311.6 | 1465.0 | 2070.5 | 1636.9 |
| 80°   | 904.4  | 912.3  | 1097.4 | 1346.0 | 1081.5 | 1068.3 | 1055.1 | 1160.9 | 1229.6 | 1639.5 | 1190.0 |
| 82.5° | 536.8  | 536.8  | 740.4  | 957.3  | 854.1  | 962.5  | 901.7  | 996.9  | 962.5  | 1205.8 | 780.1  |
| 85°   | 251.2  | 251.2  | 380.8  | 690.2  | 661.1  | 793.3  | 674.3  | 753.6  | 711.3  | 840.9  | 351.7  |
| 87.5° | 42.3   | 37.0   | 76.7   | 338.5  | 272.4  | 309.4  | 121.6  | 401.9  | 446.9  | 587.0  | 87.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P671730

CATALOG NUMBER: CCP-SA-2C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 |
| 2.5°  | 1964.8 | 1946.2 | 1909.2 | 1861.6 | 1822.0 | 1771.7 | 1755.9 | 1721.5 | 1673.9 | 1668.6 | 1647.4 |
| 5°    | 1851.0 | 1787.6 | 1708.3 | 1610.4 | 1544.3 | 1475.6 | 1417.4 | 1383.0 | 1343.3 | 1338.0 | 1327.5 |
| 7.5°  | 1726.8 | 1647.4 | 1515.2 | 1398.9 | 1285.2 | 1176.7 | 1123.9 | 1057.7 | 1012.8 | 978.4  | 962.5  |
| 10°   | 1610.4 | 1536.4 | 1372.4 | 1213.8 | 1113.3 | 1041.9 | 978.4  | 909.7  | 854.1  | 811.8  | 796.0  |
| 12.5° | 1533.7 | 1446.5 | 1269.3 | 1118.6 | 1044.5 | 962.5  | 891.1  | 817.1  | 745.7  | 690.2  | 661.1  |
| 15°   | 1499.3 | 1417.4 | 1237.6 | 1071.0 | 962.5  | 848.8  | 766.9  | 692.8  | 605.6  | 565.9  | 552.7  |
| 17.5° | 1581.3 | 1459.7 | 1227.0 | 1015.4 | 862.1  | 732.5  | 632.0  | 552.7  | 489.2  | 449.5  | 433.7  |
| 20°   | 1687.1 | 1536.4 | 1245.5 | 949.3  | 766.9  | 621.4  | 510.4  | 425.7  | 383.4  | 354.3  | 351.7  |
| 22.5° | 1822.0 | 1650.1 | 1274.6 | 901.7  | 661.1  | 499.8  | 399.3  | 349.1  | 320.0  | 317.3  | 312.0  |
| 25°   | 2062.6 | 1856.3 | 1322.2 | 838.3  | 576.5  | 412.5  | 341.1  | 312.0  | 298.8  | 290.9  | 296.2  |
| 27.5° | 2268.9 | 1991.2 | 1356.6 | 798.6  | 542.1  | 388.7  | 330.5  | 298.8  | 285.6  | 282.9  | 285.6  |
| 30°   | 2390.5 | 2115.5 | 1346.0 | 724.6  | 473.3  | 370.2  | 351.7  | 341.1  | 314.7  | 293.5  | 293.5  |
| 32.5° | 2501.6 | 2194.8 | 1343.3 | 658.4  | 404.6  | 309.4  | 293.5  | 285.6  | 301.5  | 312.0  | 304.1  |
| 35°   | 2654.9 | 2319.1 | 1335.4 | 621.4  | 375.5  | 285.6  | 259.1  | 238.0  | 227.4  | 222.1  | 230.1  |
| 37.5° | 2818.9 | 2403.7 | 1314.2 | 616.1  | 359.6  | 272.4  | 251.2  | 230.1  | 219.5  | 214.2  | 211.5  |
| 40°   | 2998.7 | 2493.6 | 1290.4 | 589.7  | 351.7  | 264.4  | 243.3  | 224.8  | 211.5  | 203.6  | 201.0  |
| 42.5° | 3115.1 | 2565.0 | 1266.6 | 576.5  | 335.8  | 259.1  | 235.3  | 219.5  | 206.3  | 195.7  | 195.7  |
| 45°   | 3181.2 | 2649.6 | 1242.8 | 563.2  | 317.3  | 261.8  | 235.3  | 214.2  | 198.3  | 193.0  | 187.7  |
| 47.5° | 3210.2 | 2713.1 | 1234.9 | 542.1  | 301.5  | 251.2  | 230.1  | 208.9  | 193.0  | 182.5  | 179.8  |
| 50°   | 3286.9 | 2848.0 | 1264.0 | 526.2  | 282.9  | 240.6  | 243.3  | 206.3  | 190.4  | 177.2  | 174.5  |
| 52.5° | 3331.9 | 2956.4 | 1327.5 | 502.4  | 269.7  | 227.4  | 238.0  | 201.0  | 182.5  | 169.2  | 169.2  |
| 55°   | 3495.8 | 3136.2 | 1396.2 | 483.9  | 253.9  | 208.9  | 219.5  | 190.4  | 169.2  | 161.3  | 161.3  |
| 57.5° | 3704.7 | 3326.6 | 1454.4 | 476.0  | 243.3  | 195.7  | 195.7  | 185.1  | 161.3  | 150.7  | 148.1  |
| 60°   | 3850.2 | 3482.6 | 1488.8 | 470.7  | 232.7  | 182.5  | 174.5  | 185.1  | 153.4  | 142.8  | 140.2  |
| 62.5° | 3866.0 | 3392.7 | 1454.4 | 468.1  | 230.1  | 169.2  | 158.7  | 177.2  | 145.4  | 134.9  | 129.6  |
| 65°   | 3765.6 | 3210.2 | 1359.2 | 457.5  | 227.4  | 156.0  | 148.1  | 153.4  | 134.9  | 126.9  | 121.6  |
| 67.5° | 3564.6 | 2914.1 | 1221.7 | 452.2  | 224.8  | 145.4  | 134.9  | 132.2  | 124.3  | 116.4  | 111.1  |
| 70°   | 3096.5 | 2528.0 | 1060.4 | 428.4  | 219.5  | 137.5  | 121.6  | 119.0  | 111.1  | 105.8  | 103.1  |
| 72.5° | 2599.4 | 2067.9 | 875.3  | 396.7  | 208.9  | 124.3  | 111.1  | 105.8  | 103.1  | 95.2   | 92.6   |
| 75°   | 1991.2 | 1591.9 | 700.8  | 351.7  | 182.5  | 111.1  | 97.8   | 92.6   | 89.9   | 84.6   | 82.0   |
| 77.5° | 1398.9 | 1184.7 | 518.3  | 285.6  | 153.4  | 100.5  | 87.3   | 82.0   | 79.3   | 71.4   | 71.4   |
| 80°   | 949.3  | 830.3  | 351.7  | 198.3  | 119.0  | 82.0   | 76.7   | 71.4   | 66.1   | 60.8   | 60.8   |
| 82.5° | 589.7  | 581.8  | 253.9  | 129.6  | 87.3   | 66.1   | 60.8   | 60.8   | 52.9   | 47.6   | 47.6   |
| 85°   | 269.7  | 357.0  | 177.2  | 89.9   | 66.1   | 50.2   | 50.2   | 47.6   | 42.3   | 34.4   | 34.4   |
| 87.5° | 84.6   | 119.0  | 92.6   | 39.7   | 37.0   | 29.1   | 29.1   | 26.4   | 26.4   | 21.2   | 21.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P671730

CATALOG NUMBER: CCP-SA-2C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 |
| 2.5°  | 1668.6 | 1665.9 | 1665.9 | 1655.4 | 1681.8 | 1681.8 | 1697.7 | 1684.5 | 1692.4 | 1695.0 | 1716.2 |
| 5°    | 1324.8 | 1346.0 | 1361.8 | 1393.6 | 1412.1 | 1420.0 | 1420.0 | 1441.2 | 1433.2 | 1449.1 | 1480.8 |
| 7.5°  | 970.5  | 996.9  | 1044.5 | 1084.2 | 1115.9 | 1126.5 | 1123.9 | 1129.1 | 1137.1 | 1118.6 | 1123.9 |
| 10°   | 785.4  | 766.9  | 782.7  | 819.8  | 848.8  | 883.2  | 856.8  | 854.1  | 862.1  | 854.1  | 870.0  |
| 12.5° | 655.8  | 634.6  | 621.4  | 621.4  | 642.6  | 658.4  | 650.5  | 663.7  | 692.8  | 700.8  | 719.3  |
| 15°   | 531.5  | 513.0  | 502.4  | 489.2  | 510.4  | 515.6  | 523.6  | 542.1  | 563.2  | 573.8  | 595.0  |
| 17.5° | 425.7  | 425.7  | 425.7  | 415.2  | 423.1  | 431.0  | 433.7  | 457.5  | 460.1  | 470.7  | 478.6  |
| 20°   | 349.1  | 357.0  | 370.2  | 375.5  | 383.4  | 383.4  | 378.1  | 391.4  | 380.8  | 388.7  | 394.0  |
| 22.5° | 314.7  | 325.3  | 330.5  | 333.2  | 343.8  | 346.4  | 333.2  | 335.8  | 338.5  | 330.5  | 333.2  |
| 25°   | 296.2  | 301.5  | 296.2  | 298.8  | 301.5  | 296.2  | 298.8  | 304.1  | 301.5  | 306.7  | 304.1  |
| 27.5° | 288.2  | 282.9  | 280.3  | 277.7  | 277.7  | 272.4  | 275.0  | 275.0  | 280.3  | 282.9  | 282.9  |
| 30°   | 288.2  | 280.3  | 269.7  | 261.8  | 261.8  | 253.9  | 259.1  | 264.4  | 267.1  | 272.4  | 272.4  |
| 32.5° | 296.2  | 280.3  | 261.8  | 253.9  | 245.9  | 240.6  | 245.9  | 253.9  | 264.4  | 267.1  | 269.7  |
| 35°   | 235.3  | 243.3  | 240.6  | 230.1  | 227.4  | 227.4  | 224.8  | 224.8  | 216.8  | 216.8  | 214.2  |
| 37.5° | 211.5  | 208.9  | 214.2  | 216.8  | 219.5  | 211.5  | 211.5  | 201.0  | 198.3  | 201.0  | 201.0  |
| 40°   | 198.3  | 198.3  | 198.3  | 206.3  | 208.9  | 203.6  | 195.7  | 190.4  | 190.4  | 190.4  | 193.0  |
| 42.5° | 193.0  | 187.7  | 185.1  | 190.4  | 198.3  | 193.0  | 185.1  | 182.5  | 182.5  | 185.1  | 185.1  |
| 45°   | 185.1  | 182.5  | 179.8  | 177.2  | 187.7  | 179.8  | 177.2  | 174.5  | 174.5  | 174.5  | 177.2  |
| 47.5° | 177.2  | 174.5  | 169.2  | 169.2  | 171.9  | 169.2  | 166.6  | 166.6  | 166.6  | 171.9  | 171.9  |
| 50°   | 171.9  | 169.2  | 164.0  | 164.0  | 164.0  | 164.0  | 161.3  | 161.3  | 161.3  | 164.0  | 166.6  |
| 52.5° | 164.0  | 161.3  | 158.7  | 156.0  | 156.0  | 156.0  | 156.0  | 156.0  | 156.0  | 158.7  | 161.3  |
| 55°   | 156.0  | 153.4  | 150.7  | 150.7  | 153.4  | 153.4  | 150.7  | 153.4  | 150.7  | 153.4  | 156.0  |
| 57.5° | 148.1  | 145.4  | 142.8  | 145.4  | 148.1  | 145.4  | 145.4  | 145.4  | 145.4  | 145.4  | 148.1  |
| 60°   | 137.5  | 137.5  | 137.5  | 137.5  | 142.8  | 142.8  | 142.8  | 142.8  | 137.5  | 140.2  | 142.8  |
| 62.5° | 132.2  | 129.6  | 129.6  | 132.2  | 134.9  | 134.9  | 137.5  | 134.9  | 132.2  | 134.9  | 134.9  |
| 65°   | 121.6  | 121.6  | 121.6  | 124.3  | 124.3  | 126.9  | 126.9  | 126.9  | 124.3  | 126.9  | 126.9  |
| 67.5° | 113.7  | 113.7  | 113.7  | 113.7  | 119.0  | 119.0  | 119.0  | 119.0  | 116.4  | 116.4  | 119.0  |
| 70°   | 100.5  | 103.1  | 100.5  | 105.8  | 111.1  | 108.4  | 111.1  | 111.1  | 108.4  | 105.8  | 111.1  |
| 72.5° | 92.6   | 92.6   | 92.6   | 92.6   | 100.5  | 100.5  | 100.5  | 103.1  | 100.5  | 97.8   | 100.5  |
| 75°   | 82.0   | 82.0   | 82.0   | 84.6   | 89.9   | 89.9   | 89.9   | 89.9   | 89.9   | 87.3   | 87.3   |
| 77.5° | 71.4   | 74.0   | 71.4   | 74.0   | 79.3   | 76.7   | 79.3   | 82.0   | 79.3   | 76.7   | 76.7   |
| 80°   | 60.8   | 60.8   | 60.8   | 63.5   | 66.1   | 66.1   | 66.1   | 68.8   | 66.1   | 63.5   | 63.5   |
| 82.5° | 47.6   | 47.6   | 50.2   | 50.2   | 52.9   | 52.9   | 52.9   | 55.5   | 52.9   | 50.2   | 50.2   |
| 85°   | 37.0   | 37.0   | 37.0   | 39.7   | 39.7   | 42.3   | 42.3   | 45.0   | 45.0   | 42.3   | 42.3   |
| 87.5° | 23.8   | 21.2   | 23.8   | 23.8   | 26.4   | 26.4   | 23.8   | 21.2   | 23.8   | 21.2   | 18.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P671730

CATALOG NUMBER: CCP-SA-2C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 | 1903.9 |
| 2.5°  | 1737.3 | 1784.9 | 1819.3 | 1843.1 | 1877.5 | 1943.6 | 1970.0 | 2017.6 | 2030.9 | 2038.8 |
| 5°    | 1494.1 | 1544.3 | 1618.3 | 1671.2 | 1732.1 | 1856.3 | 1951.5 | 2022.9 | 2054.7 | 2083.8 |
| 7.5°  | 1171.4 | 1237.6 | 1314.2 | 1383.0 | 1483.5 | 1636.9 | 1761.1 | 1909.2 | 1964.8 | 1993.8 |
| 10°   | 914.9  | 975.8  | 1060.4 | 1145.0 | 1285.2 | 1414.7 | 1591.9 | 1726.8 | 1803.5 | 1824.6 |
| 12.5° | 772.2  | 843.5  | 944.0  | 1047.2 | 1134.4 | 1282.5 | 1462.3 | 1658.0 | 1729.4 | 1742.6 |
| 15°   | 655.8  | 753.6  | 856.8  | 962.5  | 1063.0 | 1192.6 | 1385.6 | 1623.6 | 1729.4 | 1742.6 |
| 17.5° | 542.1  | 629.4  | 751.0  | 864.7  | 981.1  | 1158.2 | 1398.9 | 1652.7 | 1758.5 | 1798.2 |
| 20°   | 431.0  | 515.6  | 610.8  | 753.6  | 912.3  | 1100.1 | 1428.0 | 1750.6 | 1890.7 | 1933.0 |
| 22.5° | 357.0  | 394.0  | 486.6  | 624.1  | 811.8  | 1060.4 | 1457.0 | 1903.9 | 2052.0 | 2067.9 |
| 25°   | 312.0  | 338.5  | 396.7  | 526.2  | 732.5  | 1033.9 | 1525.8 | 2081.1 | 2271.5 | 2271.5 |
| 27.5° | 290.9  | 301.5  | 341.1  | 457.5  | 677.0  | 1010.1 | 1594.5 | 2276.8 | 2454.0 | 2491.0 |
| 30°   | 285.6  | 312.0  | 333.2  | 407.2  | 616.1  | 944.0  | 1658.0 | 2430.2 | 2612.6 | 2615.3 |
| 32.5° | 280.3  | 275.0  | 290.9  | 354.3  | 542.1  | 875.3  | 1710.9 | 2586.2 | 2729.0 | 2736.9 |
| 35°   | 219.5  | 230.1  | 256.5  | 312.0  | 486.6  | 825.0  | 1737.3 | 2670.8 | 2877.1 | 2885.0 |
| 37.5° | 206.3  | 219.5  | 240.6  | 288.2  | 449.5  | 782.7  | 1745.3 | 2834.7 | 3033.1 | 3048.9 |
| 40°   | 201.0  | 211.5  | 227.4  | 267.1  | 420.5  | 729.8  | 1761.1 | 3004.0 | 3263.1 | 3242.0 |
| 42.5° | 190.4  | 203.6  | 219.5  | 256.5  | 396.7  | 690.2  | 1763.8 | 3096.5 | 3384.8 | 3384.8 |
| 45°   | 187.7  | 195.7  | 214.2  | 256.5  | 370.2  | 655.8  | 1721.5 | 3189.1 | 3524.9 | 3482.6 |
| 47.5° | 177.2  | 193.0  | 208.9  | 248.6  | 338.5  | 621.4  | 1671.2 | 3236.7 | 3543.4 | 3530.2 |
| 50°   | 174.5  | 190.4  | 216.8  | 235.3  | 320.0  | 605.6  | 1660.7 | 3355.7 | 3580.5 | 3577.8 |
| 52.5° | 169.2  | 185.1  | 224.8  | 224.8  | 296.2  | 584.4  | 1710.9 | 3408.6 | 3588.4 | 3609.5 |
| 55°   | 161.3  | 185.1  | 208.9  | 206.3  | 275.0  | 558.0  | 1766.4 | 3546.1 | 3728.5 | 3723.3 |
| 57.5° | 156.0  | 179.8  | 198.3  | 187.7  | 251.2  | 539.4  | 1848.4 | 3678.3 | 3897.8 | 3860.8 |
| 60°   | 148.1  | 179.8  | 177.2  | 174.5  | 232.7  | 523.6  | 1917.2 | 3704.7 | 3934.8 | 3958.6 |
| 62.5° | 142.8  | 187.7  | 156.0  | 161.3  | 216.8  | 515.6  | 1888.1 | 3506.4 | 3884.6 | 3905.7 |
| 65°   | 137.5  | 161.3  | 142.8  | 148.1  | 211.5  | 499.8  | 1774.4 | 3268.4 | 3667.7 | 3760.3 |
| 67.5° | 126.9  | 132.2  | 132.2  | 137.5  | 206.3  | 462.8  | 1541.7 | 2840.0 | 3337.2 | 3387.4 |
| 70°   | 116.4  | 119.0  | 119.0  | 126.9  | 201.0  | 420.5  | 1271.9 | 2456.6 | 2895.6 | 2990.8 |
| 72.5° | 105.8  | 105.8  | 105.8  | 116.4  | 185.1  | 386.1  | 1047.2 | 1888.1 | 2406.4 | 2472.5 |
| 75°   | 92.6   | 92.6   | 92.6   | 103.1  | 166.6  | 351.7  | 825.0  | 1404.2 | 1771.7 | 1866.9 |
| 77.5° | 82.0   | 82.0   | 79.3   | 92.6   | 145.4  | 285.6  | 595.0  | 991.6  | 1248.1 | 1327.5 |
| 80°   | 68.8   | 66.1   | 66.1   | 74.0   | 113.7  | 206.3  | 383.4  | 700.8  | 870.0  | 904.4  |
| 82.5° | 55.5   | 52.9   | 50.2   | 55.5   | 82.0   | 129.6  | 238.0  | 489.2  | 558.0  | 536.8  |
| 85°   | 52.9   | 55.5   | 45.0   | 42.3   | 58.2   | 84.6   | 150.7  | 301.5  | 251.2  | 251.2  |
| 87.5° | 21.2   | 18.5   | 18.5   | 15.9   | 29.1   | 31.7   | 66.1   | 55.5   | 42.3   | 42.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)