

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: P671276

Luminaire Tested: **CCP-SA-2C-760-U-SL2**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671276  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-760-U-SL2  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL2 distribution lens  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

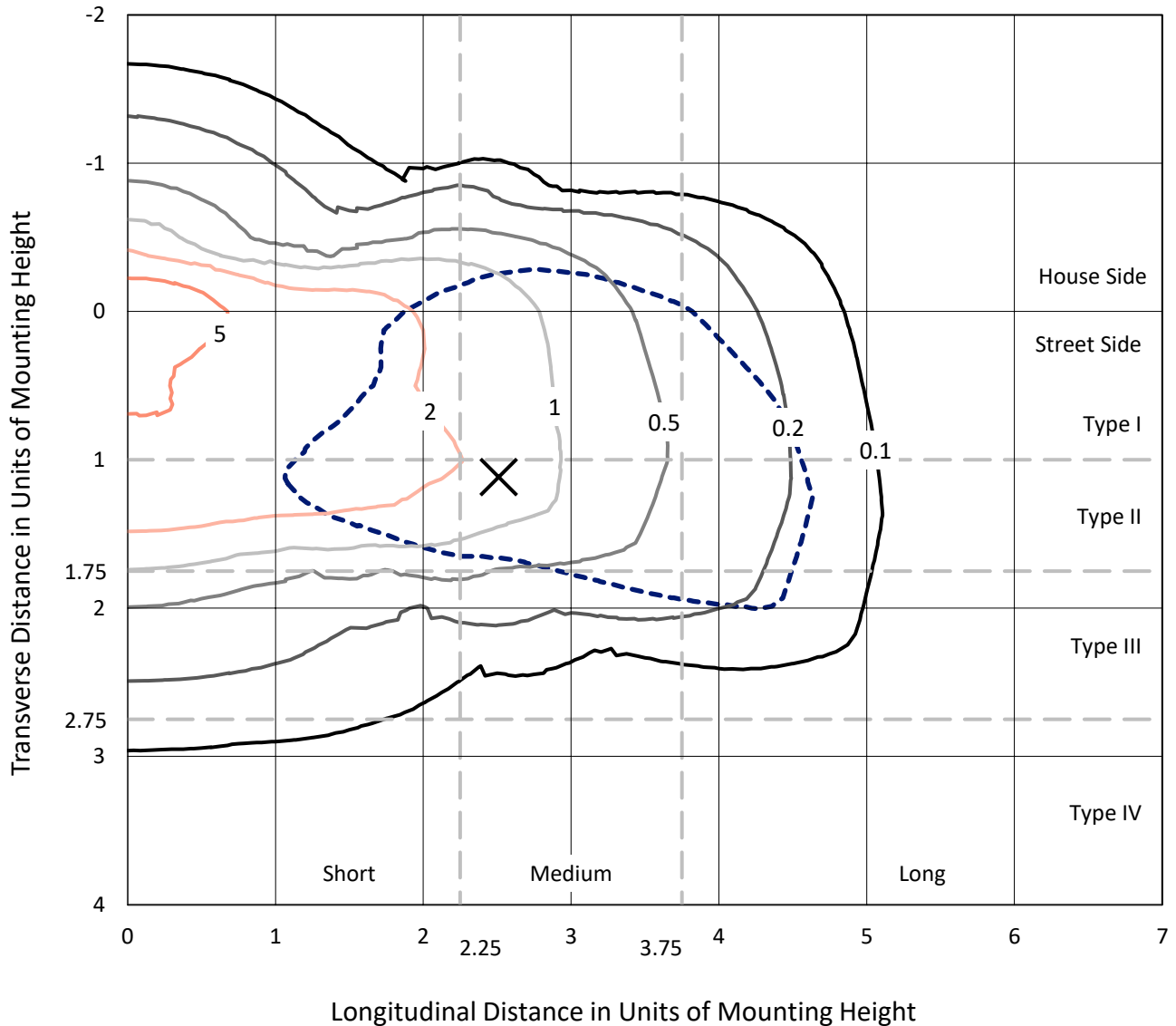
Lumens per Lamp: N/A  
Luminaire Lumens: 9153.2 lumens  
Efficiency: N/A  
Efficacy: 147.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

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

REPORT NUMBER: P671276  
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### Iso-Footcandle Lines of Horizontal Illumination

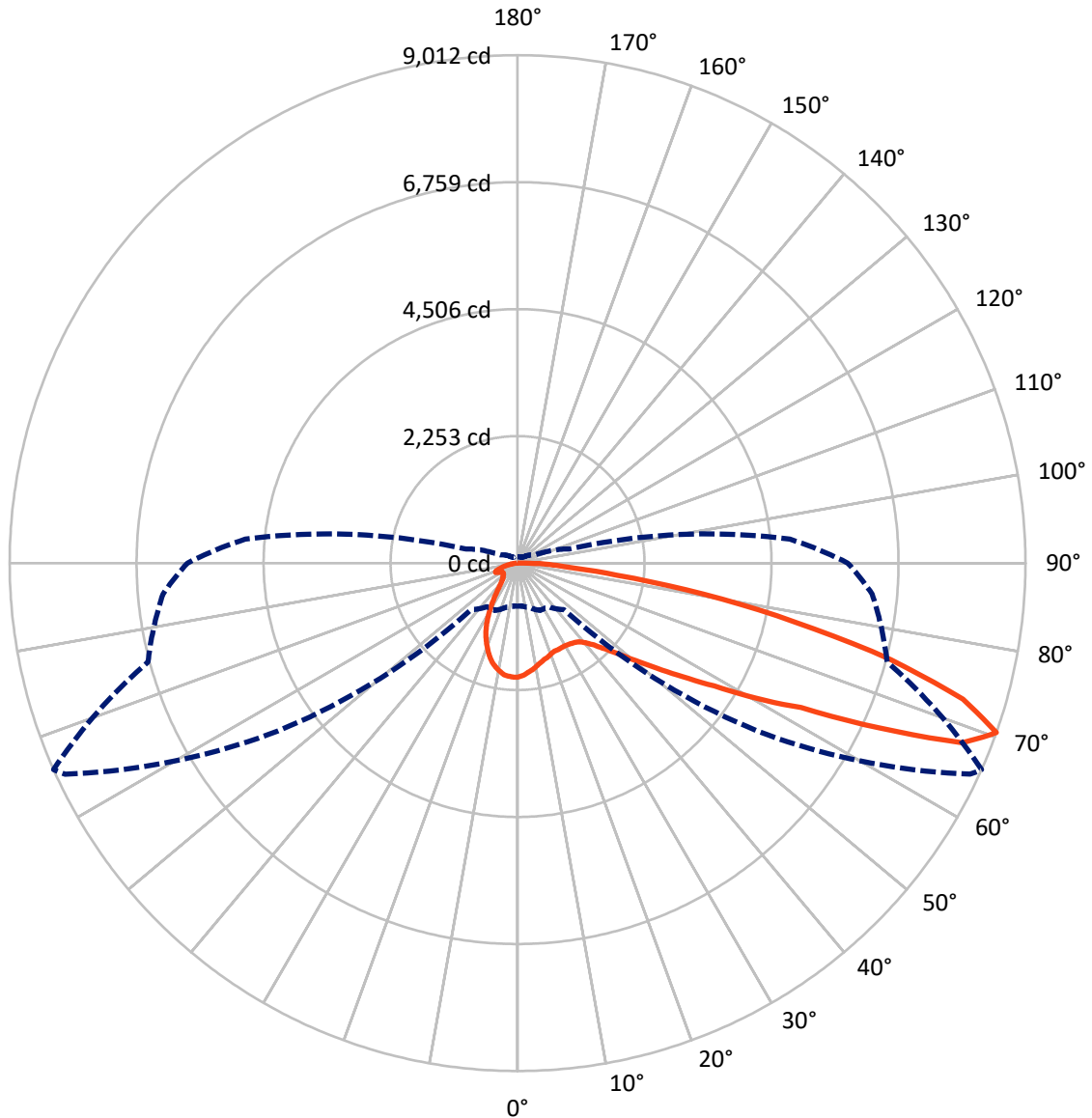
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9 fc  
 Type III - Medium - N/A

REPORT NUMBER: P671276  
CATALOG NUMBER: CCP-SA-2C-760-U-SL2

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P671276

CATALOG NUMBER: CCP-SA-2C-760-U-SL2

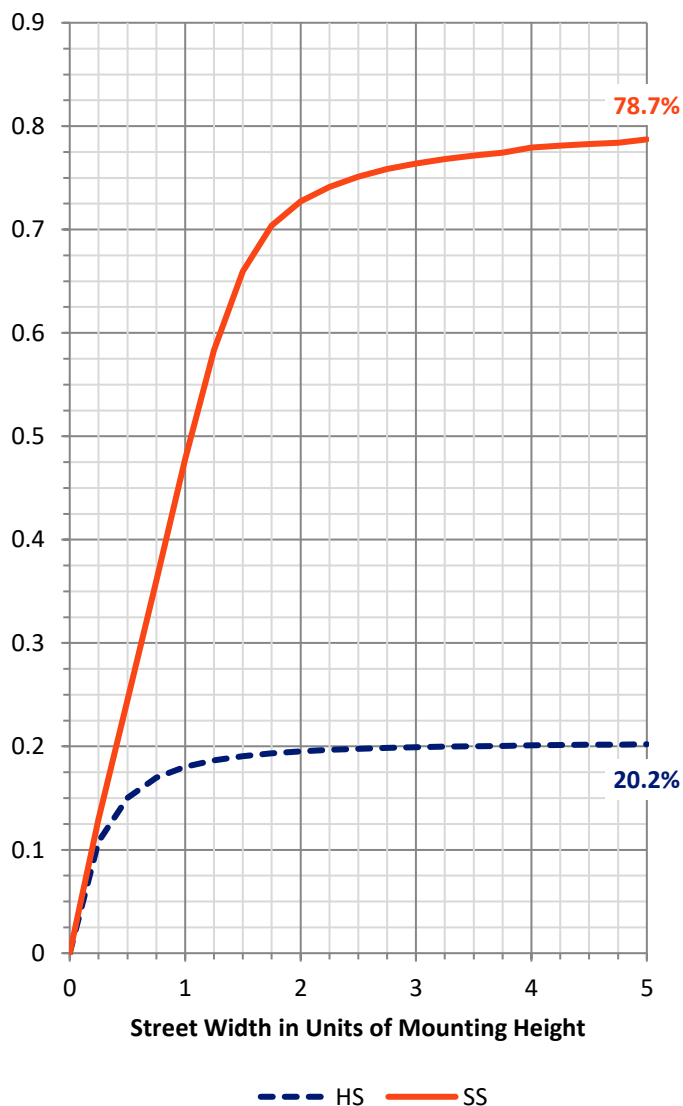
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1873.5   | 0.0    | 1873.5 |
|                    | % Fixture | 20.5     | 0.0    | 20.5   |
| <b>Street Side</b> | Lumens    | 7279.7   | 0.0    | 7279.7 |
|                    | % Fixture | 79.5     | 0.0    | 79.5   |
| <b>Total</b>       | Lumens    | 9153.2   | 0.0    | 9153.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 178.8  | 2.0       |
| 10°-20°   | 440.2  | 4.8       |
| 20°-30°   | 604.5  | 6.6       |
| 30°-40°   | 810.5  | 8.9       |
| 40°-50°   | 1176.0 | 12.8      |
| 50°-60°   | 1787.5 | 19.5      |
| 60°-70°   | 2207.7 | 24.1      |
| 70°-80°   | 1641.7 | 17.9      |
| 80°-90°   | 306.2  | 3.3       |
| 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°    | 9153.2 | 100.0     |
| 0°-180°   | 9153.2 | 100.0     |



REPORT NUMBER: P671276

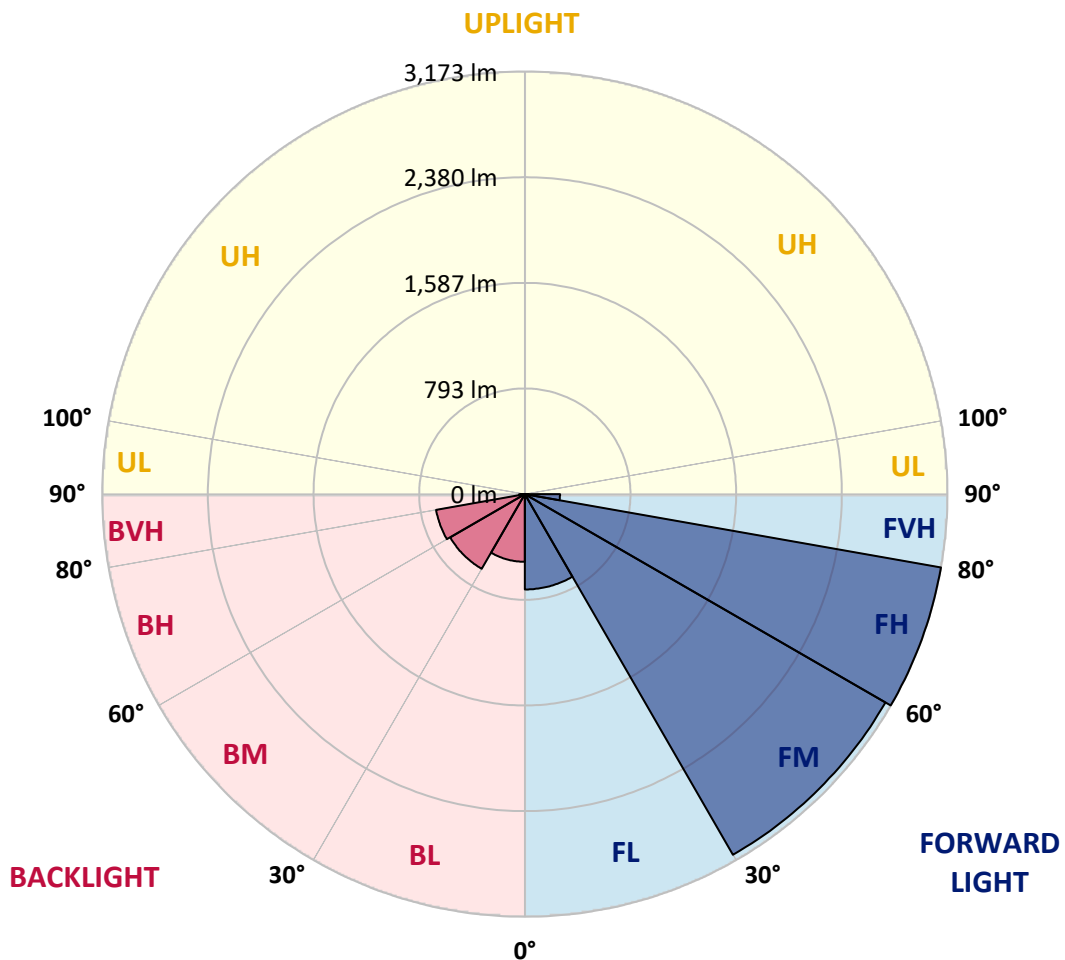
CATALOG NUMBER: CCP-SA-2C-760-U-SL2

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 715.7  | 7.8       |                         |      |         |
| FM (30°-60°)   | 3126.9 | 34.2      |                         |      |         |
| FH (60°-80°)   | 3173.1 | 34.7      |                         |      | G2/5000 |
| FVH (80°-90°)  | 264.0  | 2.9       |                         |      | G3/500  |
| BL (0°-30°)    | 507.8  | 5.5       | B2/1000                 |      |         |
| BM (30°-60°)   | 647.2  | 7.1       | B1/1000                 |      |         |
| BH (60°-80°)   | 676.3  | 7.4       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 42.3   | 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-G3**

Type III Medium





REPORT NUMBER: P671276  
 CATALOG NUMBER: CCP-SA-2C-760-U-SL2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 |
| 2.5°  | 1923.5 | 1933.7 | 1937.1 | 1943.9 | 1960.9 | 1974.6 | 1995.0 | 2005.2 | 1995.0 | 2008.6 | 2008.6 |
| 5°    | 1790.7 | 1777.1 | 1811.2 | 1824.8 | 1845.2 | 1872.4 | 1920.1 | 1957.5 | 1947.3 | 1988.2 | 2022.2 |
| 7.5°  | 1678.4 | 1678.4 | 1688.6 | 1719.2 | 1743.1 | 1783.9 | 1835.0 | 1892.9 | 1909.9 | 1964.4 | 2015.4 |
| 10°   | 1576.2 | 1589.9 | 1589.9 | 1637.5 | 1651.1 | 1698.8 | 1783.9 | 1855.4 | 1858.8 | 1950.7 | 2022.2 |
| 12.5° | 1521.8 | 1515.0 | 1549.0 | 1562.6 | 1603.5 | 1651.1 | 1719.2 | 1807.7 | 1811.2 | 1909.9 | 2008.6 |
| 15°   | 1477.5 | 1484.3 | 1501.4 | 1535.4 | 1572.8 | 1610.3 | 1675.0 | 1756.7 | 1773.7 | 1889.5 | 2001.8 |
| 17.5° | 1480.9 | 1484.3 | 1484.3 | 1508.2 | 1538.8 | 1583.1 | 1644.3 | 1739.7 | 1749.9 | 1862.2 | 1991.6 |
| 20°   | 1501.4 | 1487.7 | 1497.9 | 1508.2 | 1528.6 | 1569.4 | 1620.5 | 1702.2 | 1712.4 | 1858.8 | 2015.4 |
| 22.5° | 1545.6 | 1535.4 | 1532.0 | 1528.6 | 1525.2 | 1549.0 | 1613.7 | 1681.8 | 1692.0 | 1841.8 | 2025.6 |
| 25°   | 1617.1 | 1613.7 | 1589.9 | 1566.0 | 1549.0 | 1549.0 | 1600.1 | 1698.8 | 1695.4 | 1841.8 | 2032.4 |
| 27.5° | 1702.2 | 1702.2 | 1698.8 | 1654.6 | 1603.5 | 1576.2 | 1610.3 | 1692.0 | 1688.6 | 1841.8 | 2049.5 |
| 30°   | 1818.0 | 1818.0 | 1807.7 | 1766.9 | 1675.0 | 1596.7 | 1617.1 | 1685.2 | 1695.4 | 1828.2 | 2035.8 |
| 32.5° | 1943.9 | 1940.5 | 1950.7 | 1913.3 | 1818.0 | 1692.0 | 1658.0 | 1698.8 | 1709.0 | 1841.8 | 2039.3 |
| 35°   | 2035.8 | 2056.3 | 2090.3 | 2056.3 | 1960.9 | 1790.7 | 1715.8 | 1726.0 | 1732.9 | 1845.2 | 2052.9 |
| 37.5° | 2141.4 | 2165.2 | 2212.9 | 2240.1 | 2138.0 | 1940.5 | 1807.7 | 1770.3 | 1770.3 | 1889.5 | 2056.3 |
| 40°   | 2294.6 | 2270.8 | 2352.5 | 2400.1 | 2359.3 | 2124.4 | 1950.7 | 1852.0 | 1855.4 | 1947.3 | 2100.5 |
| 42.5° | 2406.9 | 2430.8 | 2515.9 | 2601.0 | 2549.9 | 2349.1 | 2107.3 | 1984.8 | 1984.8 | 2032.4 | 2168.6 |
| 45°   | 2532.9 | 2560.1 | 2679.3 | 2781.4 | 2818.9 | 2618.0 | 2321.8 | 2175.4 | 2168.6 | 2199.3 | 2291.2 |
| 47.5° | 2672.5 | 2709.9 | 2846.1 | 2965.3 | 3064.0 | 2897.2 | 2597.6 | 2406.9 | 2403.5 | 2427.4 | 2495.4 |
| 50°   | 2832.5 | 2846.1 | 2958.4 | 3176.3 | 3373.8 | 3268.2 | 2934.6 | 2733.8 | 2716.7 | 2726.9 | 2818.9 |
| 52.5° | 2880.1 | 2869.9 | 2999.3 | 3234.2 | 3595.1 | 3721.0 | 3394.2 | 3104.8 | 3098.0 | 3074.2 | 3193.4 |
| 55°   | 2706.5 | 2740.6 | 2866.5 | 3166.1 | 3775.5 | 4255.5 | 3898.1 | 3612.1 | 3550.8 | 3486.1 | 3629.1 |
| 57.5° | 2359.3 | 2362.7 | 2505.7 | 2859.7 | 3635.9 | 4698.1 | 4752.6 | 4109.1 | 4112.5 | 3938.9 | 4102.3 |
| 60°   | 1835.0 | 1824.8 | 1937.1 | 2257.1 | 3237.6 | 4834.3 | 5685.4 | 4902.4 | 4868.3 | 4391.7 | 4541.5 |
| 62.5° | 1324.3 | 1303.9 | 1327.7 | 1515.0 | 2420.5 | 4626.6 | 6601.2 | 5790.9 | 5647.9 | 4854.7 | 4970.5 |
| 65°   | 1089.4 | 1099.6 | 1109.8 | 1120.1 | 1358.4 | 3816.4 | 6883.7 | 7241.2 | 7050.6 | 5396.0 | 5443.7 |
| 67.5° | 902.2  | 909.0  | 953.2  | 1014.5 | 1007.7 | 2253.7 | 6556.9 | 8582.6 | 8511.1 | 6066.7 | 5852.2 |
| 70°   | 766.0  | 762.6  | 813.7  | 926.0  | 943.0  | 1171.1 | 5191.7 | 8858.3 | 9011.5 | 6788.4 | 6315.2 |
| 72.5° | 612.8  | 619.6  | 663.9  | 813.7  | 926.0  | 987.3  | 2989.1 | 8265.9 | 8262.5 | 7343.3 | 6066.7 |
| 75°   | 439.2  | 439.2  | 500.5  | 674.1  | 895.4  | 977.1  | 1654.6 | 6710.1 | 6836.1 | 6900.8 | 5263.2 |
| 77.5° | 289.4  | 303.0  | 350.7  | 503.9  | 840.9  | 956.6  | 1048.6 | 4878.5 | 5035.1 | 5161.1 | 4027.4 |
| 80°   | 197.5  | 204.3  | 234.9  | 350.7  | 711.5  | 963.5  | 857.9  | 3281.9 | 3343.1 | 2849.5 | 1634.1 |
| 82.5° | 119.2  | 122.6  | 156.6  | 245.1  | 510.7  | 915.8  | 806.8  | 1811.2 | 1773.7 | 861.3  | 469.8  |
| 85°   | 64.7   | 68.1   | 98.7   | 163.4  | 337.0  | 800.0  | 793.2  | 888.6  | 827.3  | 316.6  | 197.5  |
| 87.5° | 23.8   | 23.8   | 44.3   | 81.7   | 194.1  | 548.1  | 691.1  | 527.7  | 493.6  | 160.0  | 91.9   |
| 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: P671276

CATALOG NUMBER: CCP-SA-2C-760-U-SL2

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 | 2022.2 |
| 2.5°  | 2025.6 | 2025.6 | 2025.6 | 2025.6 | 2022.2 | 2008.6 | 2018.8 | 2015.4 | 1995.0 | 1998.4 | 1984.8 |
| 5°    | 2018.8 | 2035.8 | 2025.6 | 2012.0 | 1995.0 | 1954.1 | 1940.5 | 1930.3 | 1903.1 | 1892.9 | 1903.1 |
| 7.5°  | 2035.8 | 2022.2 | 2015.4 | 1991.6 | 1923.5 | 1886.1 | 1838.4 | 1780.5 | 1739.7 | 1729.4 | 1739.7 |
| 10°   | 2032.4 | 2032.4 | 2001.8 | 1933.7 | 1869.0 | 1760.1 | 1698.8 | 1596.7 | 1538.8 | 1521.8 | 1525.2 |
| 12.5° | 2018.8 | 2029.0 | 1981.4 | 1872.4 | 1749.9 | 1617.1 | 1504.8 | 1395.8 | 1293.7 | 1252.8 | 1246.0 |
| 15°   | 2032.4 | 2022.2 | 1937.1 | 1797.5 | 1627.3 | 1443.5 | 1280.1 | 1120.1 | 1024.7 | 963.5  | 949.8  |
| 17.5° | 2012.0 | 2001.8 | 1879.2 | 1695.4 | 1467.3 | 1232.4 | 1028.1 | 854.5  | 759.2  | 735.4  | 735.4  |
| 20°   | 2035.8 | 1971.2 | 1811.2 | 1572.8 | 1300.5 | 1000.9 | 769.4  | 640.0  | 616.2  | 616.2  | 623.0  |
| 22.5° | 2032.4 | 1964.4 | 1753.3 | 1453.7 | 1099.6 | 755.8  | 571.9  | 534.5  | 537.9  | 565.1  | 561.7  |
| 25°   | 2012.0 | 1950.7 | 1671.6 | 1320.9 | 888.6  | 568.5  | 473.2  | 463.0  | 486.8  | 517.5  | 514.1  |
| 27.5° | 2008.6 | 1913.3 | 1596.7 | 1164.3 | 677.5  | 449.4  | 411.9  | 411.9  | 435.8  | 463.0  | 459.6  |
| 30°   | 1988.2 | 1882.6 | 1504.8 | 987.3  | 510.7  | 391.5  | 377.9  | 377.9  | 388.1  | 401.7  | 401.7  |
| 32.5° | 1984.8 | 1841.8 | 1402.6 | 803.4  | 408.5  | 354.1  | 347.3  | 350.7  | 350.7  | 357.5  | 354.1  |
| 35°   | 1957.5 | 1787.3 | 1297.1 | 623.0  | 354.1  | 333.6  | 326.8  | 323.4  | 323.4  | 320.0  | 320.0  |
| 37.5° | 1947.3 | 1753.3 | 1188.1 | 483.4  | 330.2  | 316.6  | 309.8  | 299.6  | 296.2  | 296.2  | 292.8  |
| 40°   | 1957.5 | 1719.2 | 1082.6 | 391.5  | 309.8  | 303.0  | 292.8  | 279.2  | 275.8  | 275.8  | 275.8  |
| 42.5° | 1995.0 | 1715.8 | 973.7  | 340.4  | 299.6  | 289.4  | 275.8  | 262.1  | 258.7  | 262.1  | 258.7  |
| 45°   | 2080.1 | 1743.1 | 868.1  | 316.6  | 286.0  | 275.8  | 258.7  | 248.5  | 245.1  | 248.5  | 248.5  |
| 47.5° | 2219.7 | 1818.0 | 772.8  | 303.0  | 275.8  | 262.1  | 245.1  | 234.9  | 234.9  | 234.9  | 234.9  |
| 50°   | 2451.2 | 1960.9 | 680.9  | 292.8  | 268.9  | 251.9  | 234.9  | 221.3  | 217.9  | 217.9  | 221.3  |
| 52.5° | 2798.4 | 2206.1 | 606.0  | 286.0  | 258.7  | 238.3  | 221.3  | 211.1  | 204.3  | 200.9  | 204.3  |
| 55°   | 3217.2 | 2563.5 | 582.2  | 279.2  | 245.1  | 228.1  | 211.1  | 197.5  | 190.6  | 190.6  | 187.2  |
| 57.5° | 3666.6 | 2958.4 | 623.0  | 272.4  | 234.9  | 214.5  | 197.5  | 183.8  | 177.0  | 173.6  | 173.6  |
| 60°   | 4153.4 | 3424.9 | 772.8  | 268.9  | 224.7  | 200.9  | 183.8  | 173.6  | 163.4  | 160.0  | 160.0  |
| 62.5° | 4596.0 | 3847.0 | 1041.8 | 265.5  | 217.9  | 187.2  | 170.2  | 156.6  | 149.8  | 146.4  | 146.4  |
| 65°   | 5099.8 | 4316.8 | 1303.9 | 279.2  | 214.5  | 177.0  | 156.6  | 143.0  | 136.2  | 132.8  | 132.8  |
| 67.5° | 5539.0 | 4725.3 | 1457.1 | 313.2  | 224.7  | 163.4  | 139.6  | 129.4  | 126.0  | 122.6  | 122.6  |
| 70°   | 5859.0 | 4851.3 | 977.1  | 343.8  | 241.7  | 153.2  | 126.0  | 119.2  | 112.3  | 112.3  | 112.3  |
| 72.5° | 5430.1 | 4330.4 | 578.8  | 323.4  | 228.1  | 143.0  | 112.3  | 105.5  | 102.1  | 102.1  | 98.7   |
| 75°   | 4643.6 | 3687.0 | 446.0  | 262.1  | 183.8  | 122.6  | 98.7   | 91.9   | 88.5   | 88.5   | 85.1   |
| 77.5° | 3428.3 | 2641.8 | 330.2  | 207.7  | 143.0  | 98.7   | 85.1   | 81.7   | 78.3   | 74.9   | 74.9   |
| 80°   | 1341.3 | 1157.5 | 224.7  | 153.2  | 105.5  | 78.3   | 71.5   | 68.1   | 64.7   | 61.3   | 61.3   |
| 82.5° | 415.3  | 350.7  | 129.4  | 102.1  | 74.9   | 61.3   | 57.9   | 54.5   | 51.1   | 47.7   | 47.7   |
| 85°   | 180.4  | 173.6  | 85.1   | 64.7   | 51.1   | 40.9   | 40.9   | 37.4   | 34.0   | 30.6   | 30.6   |
| 87.5° | 88.5   | 85.1   | 47.7   | 30.6   | 27.2   | 20.4   | 20.4   | 17.0   | 13.6   | 13.6   | 13.6   |
| 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)