

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: P674855

Luminaire Tested: **CCW-SA-2E-750-U-T2**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674855  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2E-750-U-T2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
T2 distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13951.3 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

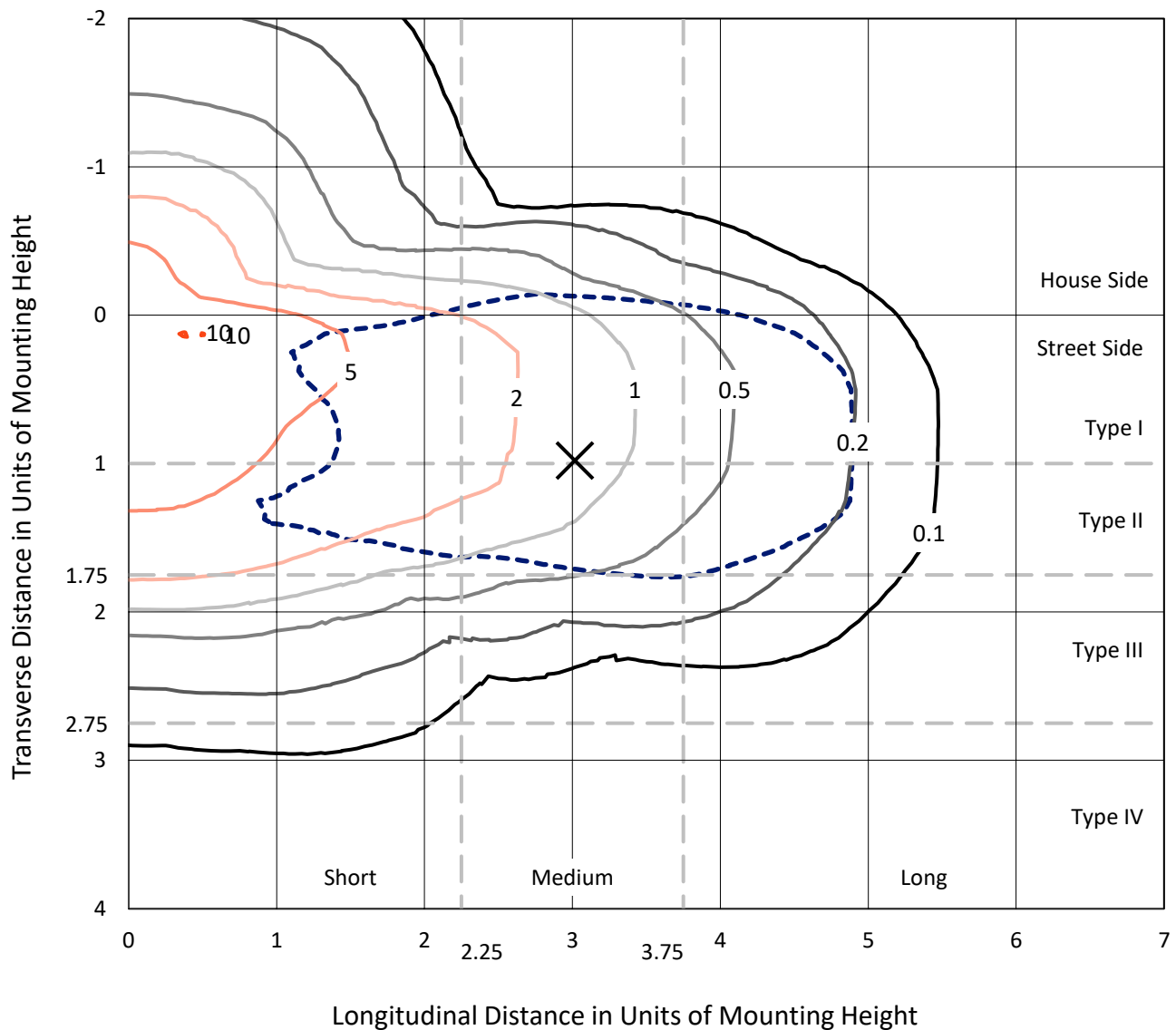
Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

REPORT NUMBER: P674855

CATALOG NUMBER: CCW-SA-2E-750-U-T2

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

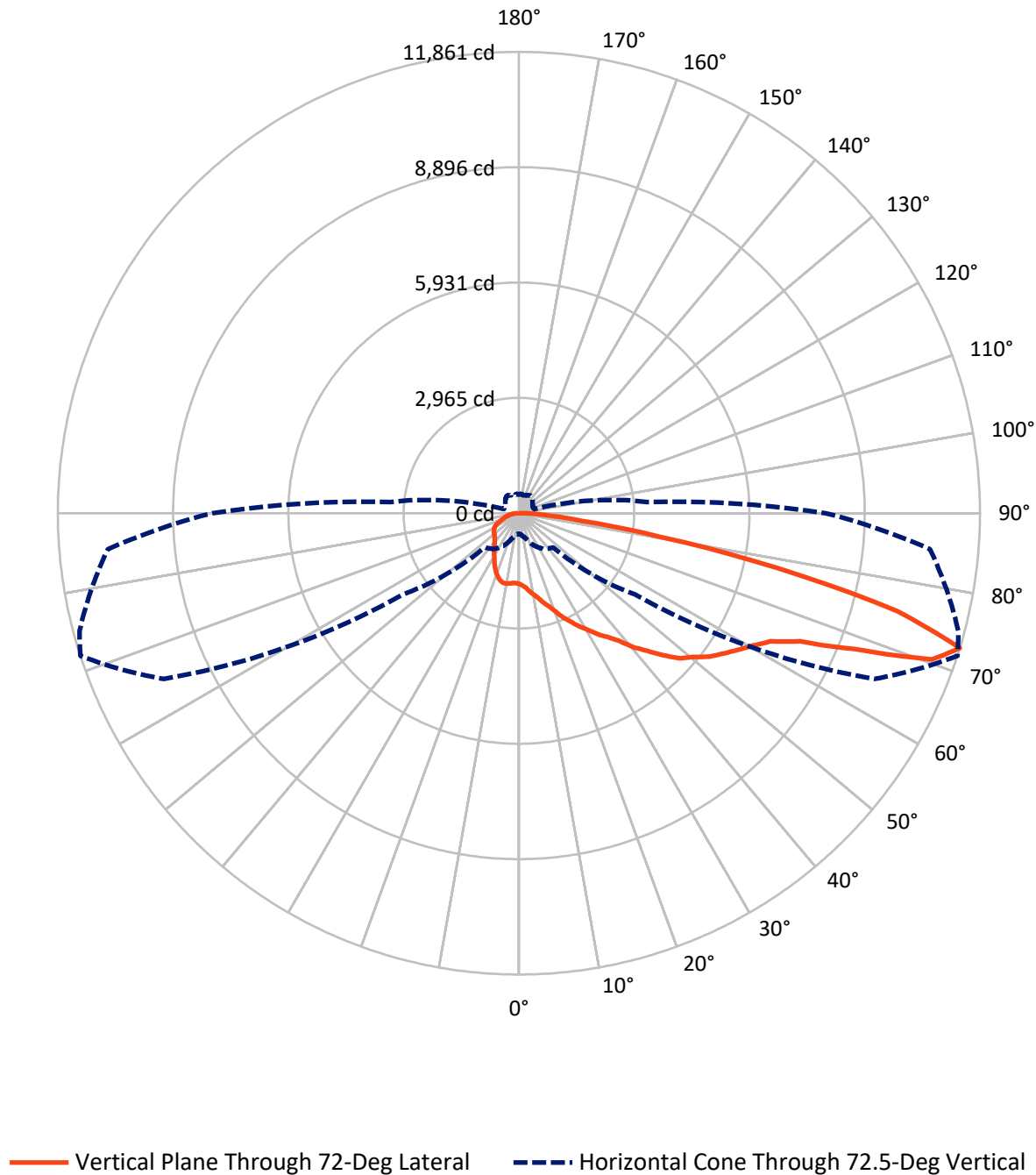


Based on 15 foot mounting height. Maximum calculated value = 10.1 fc  
Type II - Medium - N/A

REPORT NUMBER: P674855

CATALOG NUMBER: CCW-SA-2E-750-U-T2

## Luminous Intensity Polar Plot



REPORT NUMBER: P674855

CATALOG NUMBER: CCW-SA-2E-750-U-T2

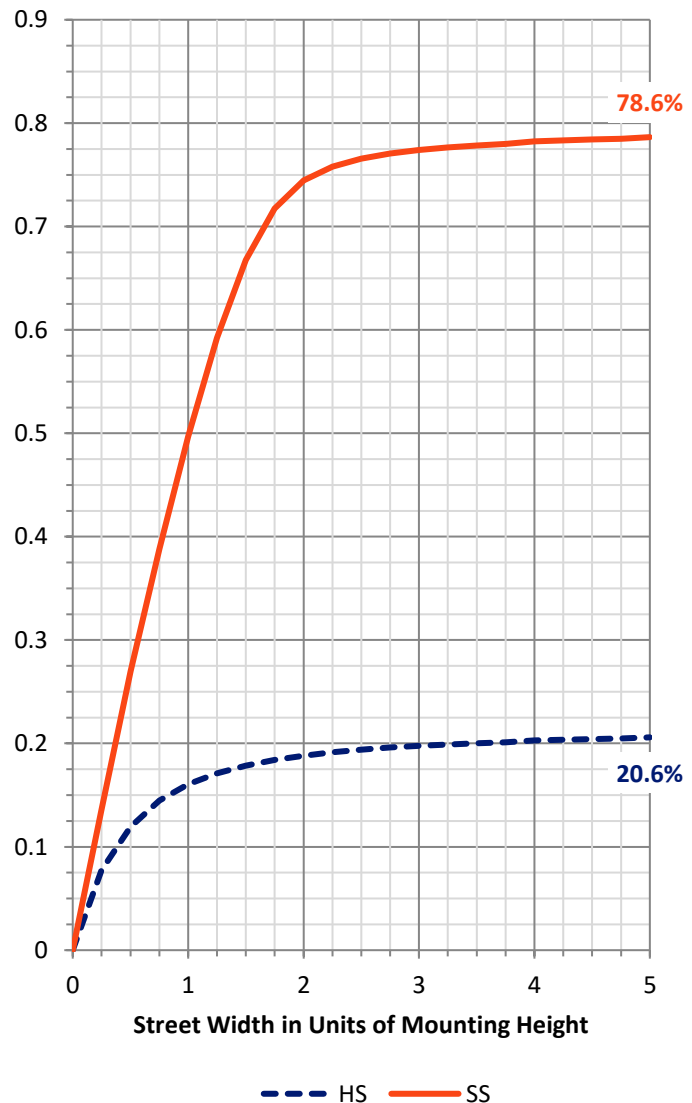
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2936.1   | 0.0    | 2936.1  |
|                    | % Fixture | 21.0     | 0.0    | 21.0    |
| <b>Street Side</b> | Lumens    | 11015.2  | 0.0    | 11015.2 |
|                    | % Fixture | 79.0     | 0.0    | 79.0    |
| <b>Total</b>       | Lumens    | 13951.3  | 0.0    | 13951.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 180.2   | 1.3       |
| 10°-20°   | 559.9   | 4.0       |
| 20°-30°   | 968.8   | 6.9       |
| 30°-40°   | 1431.0  | 10.3      |
| 40°-50°   | 2128.0  | 15.3      |
| 50°-60°   | 2917.3  | 20.9      |
| 60°-70°   | 3164.5  | 22.7      |
| 70°-80°   | 2231.0  | 16.0      |
| 80°-90°   | 370.7   | 2.7       |
| 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°    | 13951.3 | 100.0     |
| 0°-180°   | 13951.3 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P674855

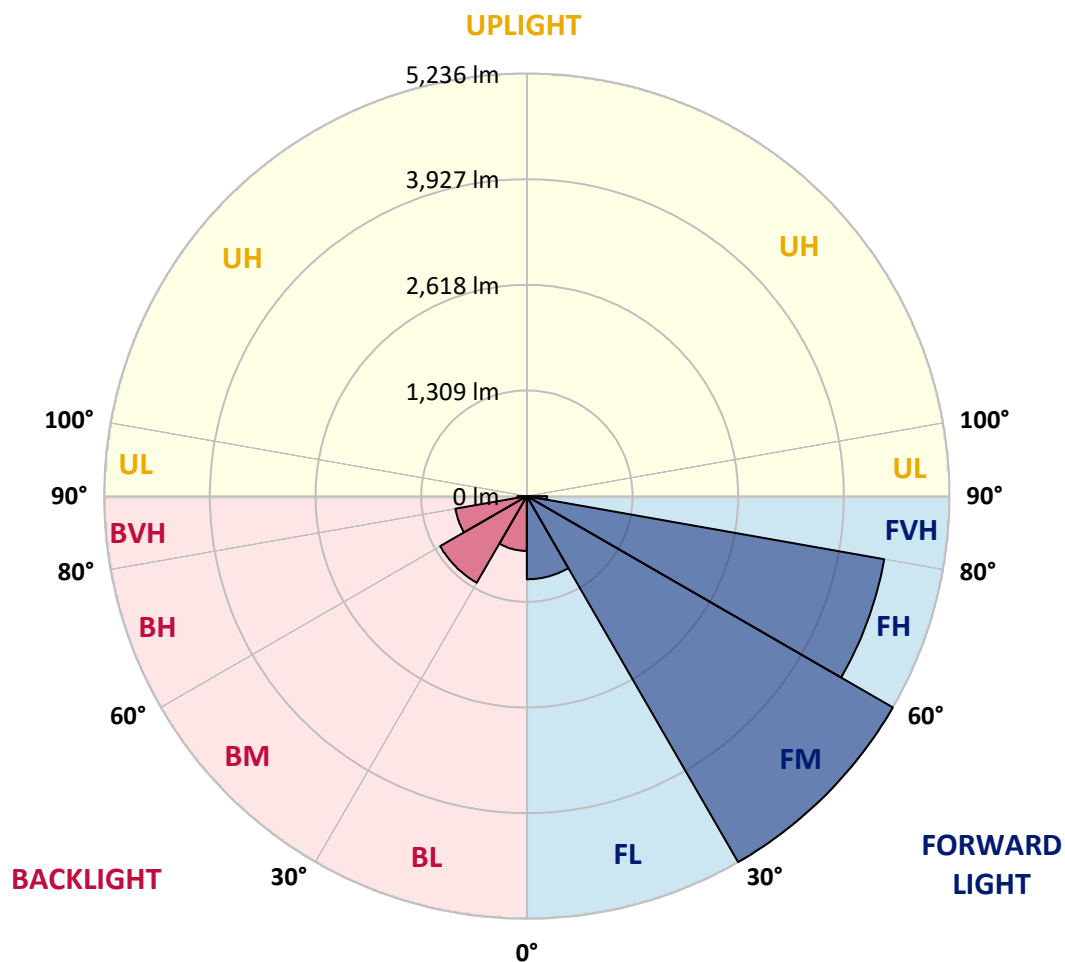
CATALOG NUMBER: CCW-SA-2E-750-U-T2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1030.2 | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 5236.2 | 37.5      |                         |      |         |
| FH   | (60°-80°)   | 4496.0 | 32.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 252.7  | 1.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 678.6  | 4.9       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1240.1 | 8.9       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 899.4  | 6.4       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 118.0  | 0.8       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type II Medium



REPORT NUMBER: P674855

CATALOG NUMBER: CCW-SA-2E-750-U-T2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 72°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 1822.4 | 1822.4 | 1822.4 | 1822.4 | 1822.4 | 1822.4 | 1822.4 | 1822.4  | 1822.4  | 1822.4  | 1822.4  |
| 2.5°  | 1966.6 | 1966.6 | 1951.1 | 1946.0 | 1946.0 | 1904.8 | 1909.9 | 1884.2  | 1863.6  | 1863.6  | 1843.0  |
| 5°    | 2069.5 | 2059.2 | 2059.2 | 2059.2 | 2033.5 | 2018.1 | 2012.9 | 1966.6  | 1930.5  | 1935.7  | 1873.9  |
| 7.5°  | 2095.3 | 2100.4 | 2105.6 | 2131.3 | 2115.9 | 2126.2 | 2115.9 | 2064.4  | 2038.6  | 2012.9  | 1956.3  |
| 10°   | 2110.7 | 2121.0 | 2121.0 | 2157.1 | 2157.1 | 2182.8 | 2198.2 | 2177.6  | 2131.3  | 2105.6  | 2012.9  |
| 12.5° | 2146.8 | 2131.3 | 2151.9 | 2177.6 | 2203.4 | 2249.7 | 2296.0 | 2275.5  | 2244.6  | 2213.7  | 2110.7  |
| 15°   | 2146.8 | 2151.9 | 2167.3 | 2208.5 | 2249.7 | 2296.0 | 2378.4 | 2409.3  | 2393.9  | 2337.2  | 2229.1  |
| 17.5° | 2085.0 | 2069.5 | 2141.6 | 2218.8 | 2296.0 | 2352.7 | 2460.8 | 2532.9  | 2522.6  | 2502.0  | 2337.2  |
| 20°   | 2090.1 | 2105.6 | 2131.3 | 2198.2 | 2321.8 | 2424.8 | 2558.6 | 2677.0  | 2702.7  | 2692.5  | 2481.4  |
| 22.5° | 2182.8 | 2187.9 | 2213.7 | 2244.6 | 2342.4 | 2476.2 | 2677.0 | 2867.5  | 2913.8  | 2888.1  | 2641.0  |
| 25°   | 2275.5 | 2316.6 | 2316.6 | 2337.2 | 2373.3 | 2512.3 | 2754.2 | 3021.9  | 3088.9  | 3094.0  | 2805.7  |
| 27.5° | 2424.8 | 2435.0 | 2465.9 | 2476.2 | 2507.1 | 2589.5 | 2841.7 | 3135.2  | 3289.6  | 3269.0  | 2955.0  |
| 30°   | 2599.8 | 2604.9 | 2625.5 | 2615.2 | 2620.4 | 2723.3 | 2924.1 | 3263.9  | 3475.0  | 3480.1  | 3114.6  |
| 32.5° | 2805.7 | 2846.9 | 2857.2 | 2790.3 | 2800.6 | 2826.3 | 3052.8 | 3418.3  | 3706.6  | 3670.6  | 3253.6  |
| 35°   | 3109.4 | 3124.9 | 3094.0 | 3063.1 | 2985.9 | 2970.4 | 3186.7 | 3572.8  | 3907.4  | 3948.6  | 3459.5  |
| 37.5° | 3485.3 | 3526.4 | 3485.3 | 3320.5 | 3238.2 | 3176.4 | 3351.4 | 3742.7  | 4149.4  | 4288.4  | 3665.4  |
| 40°   | 3835.3 | 3830.2 | 3789.0 | 3639.7 | 3495.6 | 3449.2 | 3588.2 | 3979.5  | 4525.2  | 4659.0  | 3964.0  |
| 42.5° | 4118.5 | 4103.0 | 4077.3 | 3964.0 | 3830.2 | 3753.0 | 3861.1 | 4226.6  | 4839.2  | 5096.6  | 4309.0  |
| 45°   | 4365.6 | 4345.0 | 4350.1 | 4221.4 | 4092.7 | 4133.9 | 4133.9 | 4509.7  | 5209.9  | 5529.1  | 4705.4  |
| 47.5° | 4597.2 | 4607.5 | 4592.1 | 4494.3 | 4396.5 | 4504.6 | 4448.0 | 4834.1  | 5575.4  | 5930.6  | 5040.0  |
| 50°   | 4864.9 | 4885.5 | 4834.1 | 4772.3 | 4684.8 | 4792.9 | 4720.8 | 5137.8  | 5812.2  | 6296.1  | 5441.5  |
| 52.5° | 5117.2 | 5137.8 | 5184.1 | 5106.9 | 5019.4 | 5106.9 | 4942.2 | 5420.9  | 6126.2  | 6651.3  | 5750.4  |
| 55°   | 5179.0 | 5168.7 | 5426.1 | 5508.5 | 5554.8 | 5292.2 | 5137.8 | 5662.9  | 6373.3  | 6877.9  | 6100.5  |
| 57.5° | 4895.8 | 4921.6 | 5271.6 | 5508.5 | 6002.7 | 5776.2 | 5359.2 | 5946.0  | 6630.7  | 7176.4  | 6424.8  |
| 60°   | 4190.5 | 4206.0 | 4643.6 | 5204.7 | 5925.5 | 6229.2 | 5956.3 | 6311.6  | 6913.9  | 7428.7  | 6790.3  |
| 62.5° | 2800.6 | 2919.0 | 3464.7 | 4345.0 | 5379.8 | 6352.7 | 6908.7 | 6929.3  | 7258.8  | 7747.9  | 7289.7  |
| 65°   | 1477.5 | 1534.1 | 1961.4 | 2671.9 | 4077.3 | 5925.5 | 7804.5 | 8154.6  | 7948.7  | 8334.8  | 8010.4  |
| 67.5° | 967.8  | 988.4  | 1220.1 | 1621.6 | 2352.7 | 4324.4 | 7907.5 | 10280.7 | 9333.5  | 9451.9  | 9163.6  |
| 70°   | 720.7  | 731.0  | 900.9  | 1199.5 | 1456.9 | 2311.5 | 6481.4 | 11274.3 | 11269.2 | 10955.1 | 10533.0 |
| 72.5° | 530.3  | 545.7  | 664.1  | 916.4  | 1122.3 | 1245.8 | 3644.9 | 10085.1 | 11861.2 | 11701.6 | 10615.4 |
| 75°   | 417.0  | 427.3  | 489.1  | 710.4  | 906.1  | 818.5  | 1848.2 | 7469.9  | 10059.4 | 10826.4 | 9714.5  |
| 77.5° | 339.8  | 350.1  | 386.1  | 514.8  | 725.9  | 633.2  | 885.5  | 4818.6  | 6821.2  | 7794.2  | 7433.8  |
| 80°   | 283.1  | 283.1  | 308.9  | 365.5  | 561.1  | 478.8  | 525.1  | 2707.9  | 3675.7  | 4056.7  | 3372.0  |
| 82.5° | 242.0  | 236.8  | 257.4  | 267.7  | 417.0  | 344.9  | 339.8  | 1225.2  | 1616.5  | 1714.3  | 1266.4  |
| 85°   | 154.4  | 159.6  | 242.0  | 231.7  | 272.8  | 236.8  | 190.5  | 581.7   | 761.9   | 777.4   | 473.6   |
| 87.5° | 61.8   | 61.8   | 103.0  | 128.7  | 154.4  | 144.1  | 92.7   | 262.6   | 334.6   | 334.6   | 133.9   |
| 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: P674855

CATALOG NUMBER: CCW-SA-2E-750-U-T2

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1822.4 | 1822.4 | 1822.4 | 1822.4 | 1822.4 | 1822.4 | 1822.4 | 1822.4 | 1822.4 | 1822.4 | 1822.4 |
| 2.5°  | 1837.9 | 1817.3 | 1801.8 | 1791.5 | 1765.8 | 1740.1 | 1745.2 | 1740.1 | 1719.5 | 1709.2 | 1709.2 |
| 5°    | 1858.5 | 1837.9 | 1812.1 | 1770.9 | 1745.2 | 1714.3 | 1724.6 | 1704.0 | 1683.4 | 1698.9 | 1673.1 |
| 7.5°  | 1909.9 | 1873.9 | 1837.9 | 1776.1 | 1734.9 | 1688.6 | 1668.0 | 1657.7 | 1642.2 | 1631.9 | 1631.9 |
| 10°   | 1982.0 | 1930.5 | 1863.6 | 1770.9 | 1704.0 | 1631.9 | 1621.6 | 1601.1 | 1585.6 | 1585.6 | 1580.5 |
| 12.5° | 2054.1 | 1997.5 | 1884.2 | 1734.9 | 1621.6 | 1570.2 | 1565.0 | 1570.2 | 1580.5 | 1585.6 | 1590.8 |
| 15°   | 2146.8 | 2054.1 | 1879.1 | 1668.0 | 1554.7 | 1534.1 | 1559.9 | 1580.5 | 1601.1 | 1621.6 | 1616.5 |
| 17.5° | 2234.3 | 2126.2 | 1832.7 | 1585.6 | 1498.1 | 1503.2 | 1549.6 | 1590.8 | 1631.9 | 1652.5 | 1657.7 |
| 20°   | 2352.7 | 2193.1 | 1765.8 | 1487.8 | 1441.5 | 1487.8 | 1549.6 | 1601.1 | 1647.4 | 1673.1 | 1678.3 |
| 22.5° | 2486.5 | 2270.3 | 1678.3 | 1400.3 | 1395.1 | 1441.5 | 1503.2 | 1580.5 | 1631.9 | 1678.3 | 1673.1 |
| 25°   | 2604.9 | 2321.8 | 1565.0 | 1328.2 | 1338.5 | 1369.4 | 1441.5 | 1523.8 | 1575.3 | 1626.8 | 1611.4 |
| 27.5° | 2682.2 | 2332.1 | 1446.6 | 1276.7 | 1276.7 | 1307.6 | 1374.5 | 1426.0 | 1472.4 | 1513.5 | 1518.7 |
| 30°   | 2769.7 | 2311.5 | 1312.8 | 1209.8 | 1209.8 | 1251.0 | 1276.7 | 1307.6 | 1333.4 | 1343.7 | 1353.9 |
| 32.5° | 2872.6 | 2265.2 | 1230.4 | 1158.3 | 1158.3 | 1189.2 | 1204.7 | 1194.4 | 1189.2 | 1163.5 | 1178.9 |
| 35°   | 2970.4 | 2198.2 | 1137.7 | 1091.4 | 1112.0 | 1127.4 | 1122.3 | 1091.4 | 1060.5 | 1014.2 | 998.7  |
| 37.5° | 3088.9 | 2131.3 | 1055.4 | 1019.3 | 1055.4 | 1060.5 | 1060.5 | 1024.5 | 983.3  | 926.7  | 926.7  |
| 40°   | 3269.0 | 2079.8 | 988.4  | 973.0  | 1009.0 | 1003.9 | 978.1  | 952.4  | 967.8  | 937.0  | 937.0  |
| 42.5° | 3459.5 | 2059.2 | 926.7  | 931.8  | 947.2  | 952.4  | 926.7  | 895.8  | 957.5  | 921.5  | 926.7  |
| 45°   | 3696.3 | 2074.7 | 885.5  | 880.3  | 916.4  | 911.2  | 895.8  | 870.0  | 890.6  | 798.0  | 772.2  |
| 47.5° | 3917.7 | 2105.6 | 864.9  | 844.3  | 885.5  | 895.8  | 875.2  | 818.5  | 787.7  | 731.0  | 720.7  |
| 50°   | 4118.5 | 2172.5 | 844.3  | 803.1  | 844.3  | 864.9  | 828.8  | 767.1  | 731.0  | 695.0  | 695.0  |
| 52.5° | 4309.0 | 2270.3 | 834.0  | 756.8  | 792.8  | 818.5  | 798.0  | 736.2  | 695.0  | 679.5  | 664.1  |
| 55°   | 4504.6 | 2357.8 | 818.5  | 725.9  | 736.2  | 787.7  | 782.5  | 700.1  | 659.0  | 659.0  | 653.8  |
| 57.5° | 4782.6 | 2476.2 | 798.0  | 674.4  | 695.0  | 751.6  | 751.6  | 684.7  | 638.4  | 643.5  | 648.7  |
| 60°   | 5065.7 | 2615.2 | 777.4  | 622.9  | 638.4  | 715.6  | 725.9  | 664.1  | 622.9  | 628.1  | 622.9  |
| 62.5° | 5518.8 | 2872.6 | 736.2  | 561.1  | 592.0  | 669.3  | 695.0  | 638.4  | 602.3  | 612.6  | 612.6  |
| 65°   | 6203.5 | 3315.4 | 648.7  | 509.7  | 545.7  | 628.1  | 664.1  | 612.6  | 571.4  | 602.3  | 592.0  |
| 67.5° | 7305.1 | 3922.8 | 545.7  | 468.5  | 514.8  | 586.9  | 628.1  | 581.7  | 545.7  | 592.0  | 576.6  |
| 70°   | 8293.6 | 4221.4 | 468.5  | 432.4  | 468.5  | 540.5  | 586.9  | 550.8  | 514.8  | 561.1  | 540.5  |
| 72.5° | 7892.0 | 3310.2 | 406.7  | 391.3  | 427.3  | 489.1  | 545.7  | 509.7  | 473.6  | 499.4  | 478.8  |
| 75°   | 6810.9 | 2635.8 | 355.2  | 350.1  | 381.0  | 442.7  | 499.4  | 473.6  | 437.6  | 447.9  | 437.6  |
| 77.5° | 5163.5 | 2177.6 | 303.7  | 298.6  | 324.3  | 396.4  | 447.9  | 427.3  | 391.3  | 386.1  | 386.1  |
| 80°   | 2306.3 | 1070.8 | 252.3  | 252.3  | 267.7  | 339.8  | 381.0  | 370.7  | 334.6  | 329.5  | 324.3  |
| 82.5° | 756.8  | 406.7  | 205.9  | 195.6  | 216.2  | 283.1  | 339.8  | 329.5  | 293.4  | 283.1  | 272.8  |
| 85°   | 303.7  | 195.6  | 149.3  | 149.3  | 169.9  | 236.8  | 303.7  | 283.1  | 236.8  | 211.1  | 211.1  |
| 87.5° | 103.0  | 82.4   | 77.2   | 77.2   | 108.1  | 159.6  | 226.5  | 190.5  | 169.9  | 149.3  | 154.4  |
| 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)