

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: P676356

Luminaire Tested: **CCW-SA-1F-850-U-T2-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676356  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1F-850-U-T2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/  
T2 distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

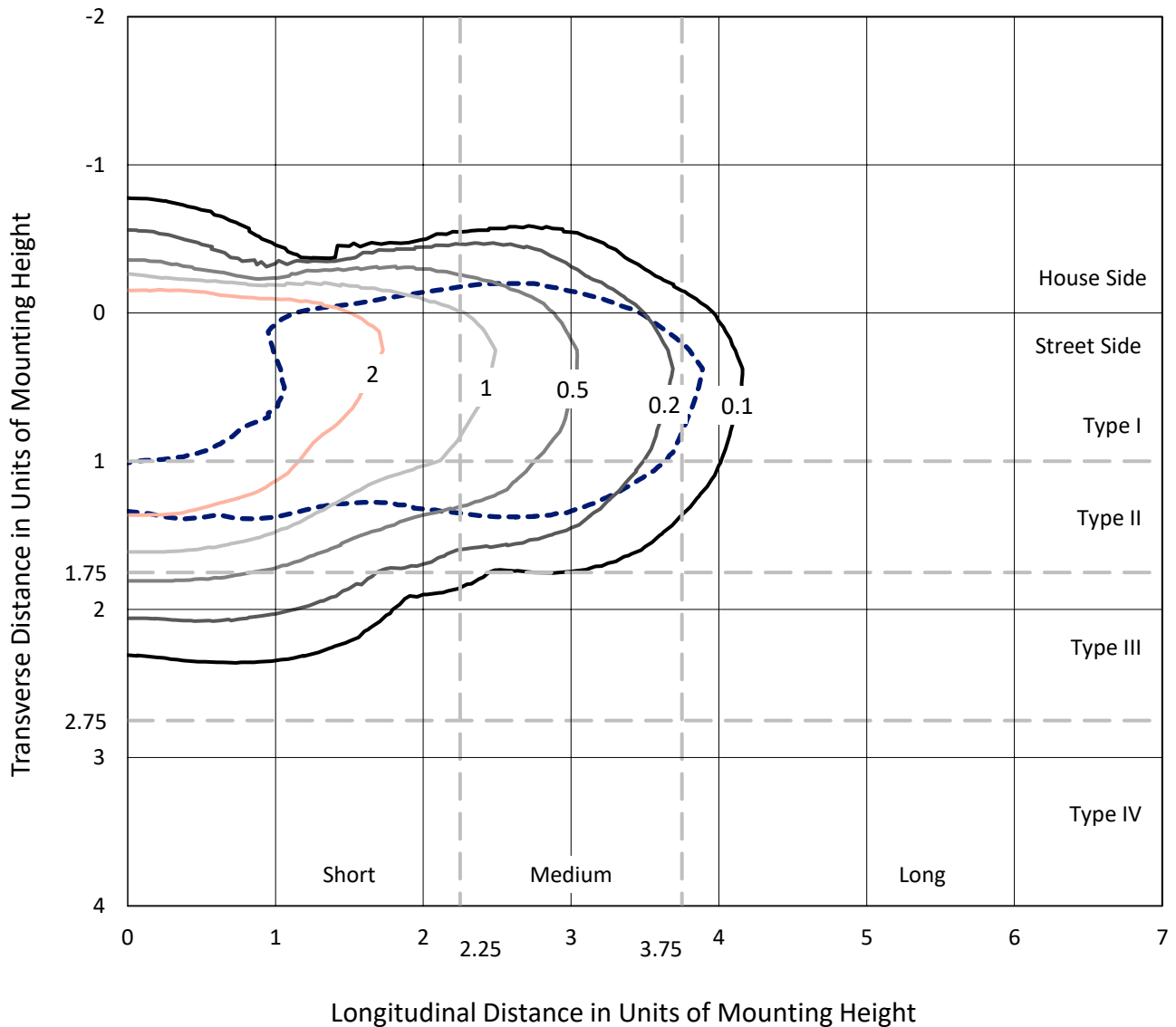
Lumens per Lamp: N/A  
Luminaire Lumens: 5051 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 67  
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: P676356  
 CATALOG NUMBER: CCW-SA-1F-850-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

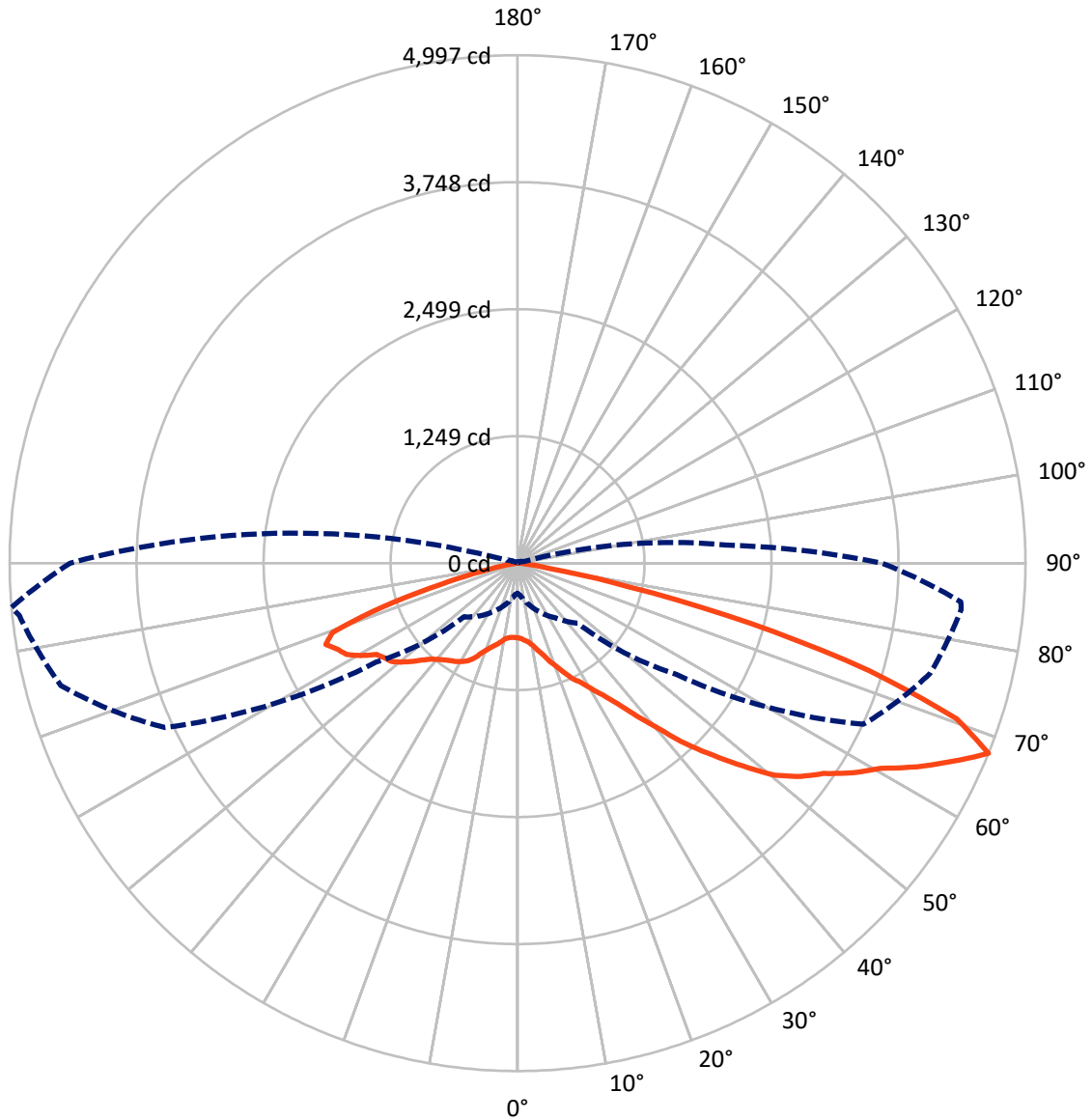
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P676356  
CATALOG NUMBER: CCW-SA-1F-850-U-T2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P676356  
 CATALOG NUMBER: CCW-SA-1F-850-U-T2-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 717.6    | 0.0    | 717.6  |
|                    | % Fixture | 14.2     | 0.0    | 14.2   |
| <b>Street Side</b> | Lumens    | 4333.5   | 0.0    | 4333.5 |
|                    | % Fixture | 85.8     | 0.0    | 85.8   |
| <b>Total</b>       | Lumens    | 5051.0   | 0.0    | 5051.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 67.0   | 1.3       |
| 10°-20°   | 180.1  | 3.6       |
| 20°-30°   | 299.1  | 5.9       |
| 30°-40°   | 514.6  | 10.2      |
| 40°-50°   | 924.7  | 18.3      |
| 50°-60°   | 1316.4 | 26.1      |
| 60°-70°   | 1200.1 | 23.8      |
| 70°-80°   | 511.0  | 10.1      |
| 80°-90°   | 38.0   | 0.8       |
| 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°    | 5051.0 | 100.0     |
| 0°-180°   | 5051.0 | 100.0     |



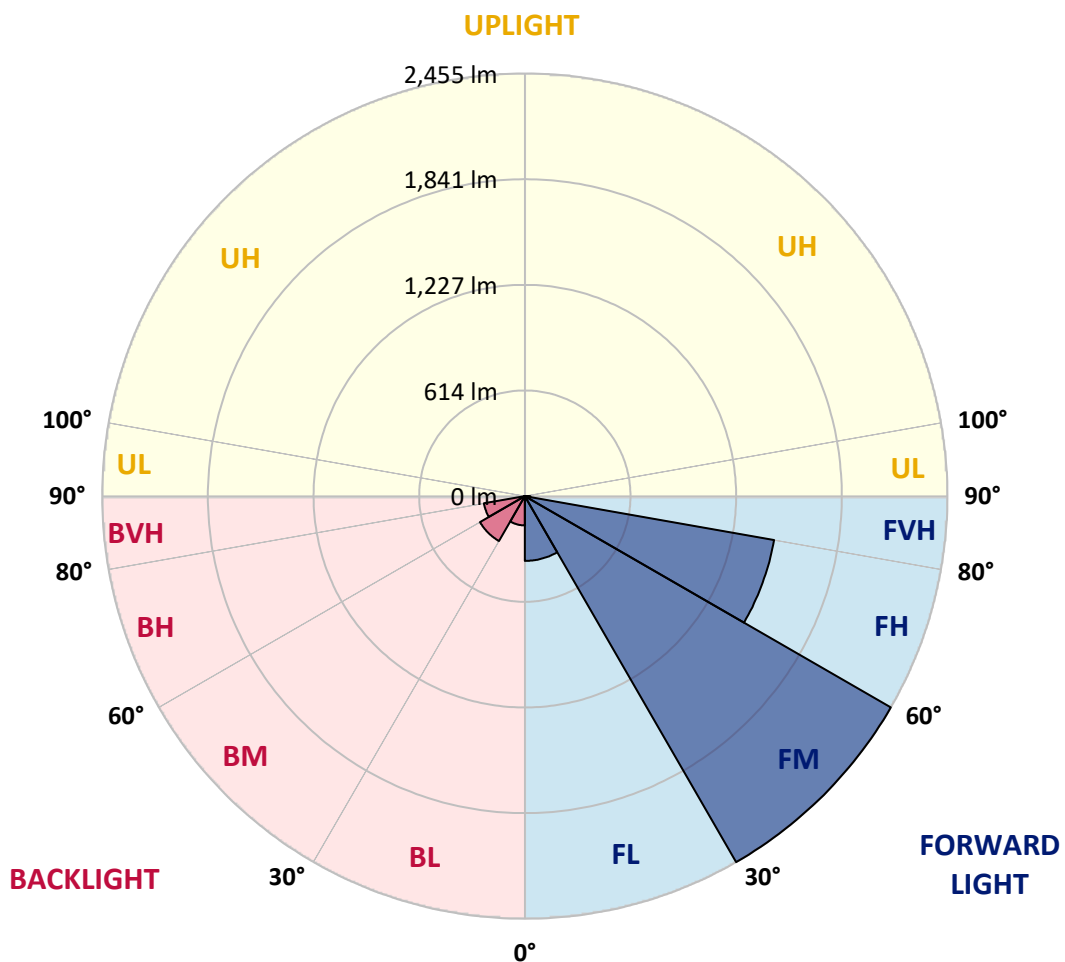
REPORT NUMBER: P676356  
 CATALOG NUMBER: CCW-SA-1F-850-U-T2-HSS

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 376.3  | 7.4       |                         |      |         |
| FM (30°-60°)   | 2454.8 | 48.6      |                         |      |         |
| FH (60°-80°)   | 1470.1 | 29.1      |                         |      | G1/1800 |
| FVH (80°-90°)  | 32.3   | 0.6       |                         |      | G1/100  |
| BL (0°-30°)    | 169.9  | 3.4       | B1/500                  |      |         |
| BM (30°-60°)   | 300.9  | 6.0       | B1/1000                 |      |         |
| BH (60°-80°)   | 241.1  | 4.8       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 5.7    | 0.1       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type II Short





REPORT NUMBER: P676356

CATALOG NUMBER: CCW-SA-1F-850-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 84°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  |
| 2.5°  | 761.0  | 768.2  | 768.2  | 765.8  | 758.6  | 753.8  | 751.4  | 746.5  | 741.7  | 741.7  | 744.1  |
| 5°    | 768.2  | 761.0  | 770.6  | 758.6  | 758.6  | 758.6  | 768.2  | 763.4  | 761.0  | 748.9  | 748.9  |
| 7.5°  | 768.2  | 761.0  | 761.0  | 768.2  | 761.0  | 765.8  | 777.8  | 773.0  | 782.7  | 761.0  | 765.8  |
| 10°   | 746.5  | 744.1  | 748.9  | 758.6  | 761.0  | 770.6  | 782.7  | 806.7  | 809.1  | 794.7  | 792.3  |
| 12.5° | 703.2  | 700.8  | 717.6  | 722.5  | 751.4  | 775.4  | 811.6  | 830.8  | 852.5  | 845.3  | 830.8  |
| 15°   | 671.9  | 676.7  | 688.7  | 708.0  | 734.5  | 777.8  | 818.8  | 862.1  | 900.7  | 891.0  | 886.2  |
| 17.5° | 683.9  | 681.5  | 683.9  | 696.0  | 729.7  | 773.0  | 842.9  | 893.4  | 948.8  | 948.8  | 953.6  |
| 20°   | 720.0  | 727.3  | 724.9  | 717.6  | 734.5  | 770.6  | 842.9  | 932.0  | 1023.5 | 1016.3 | 1016.3 |
| 22.5° | 782.7  | 785.1  | 770.6  | 765.8  | 763.4  | 785.1  | 857.3  | 980.1  | 1086.1 | 1100.5 | 1095.7 |
| 25°   | 847.7  | 850.1  | 845.3  | 830.8  | 811.6  | 816.4  | 883.8  | 1018.7 | 1172.8 | 1196.9 | 1192.0 |
| 27.5° | 956.0  | 953.6  | 941.6  | 924.7  | 895.8  | 874.2  | 924.7  | 1047.6 | 1240.2 | 1281.2 | 1269.1 |
| 30°   | 1064.4 | 1057.2 | 1040.3 | 1018.7 | 992.2  | 951.2  | 975.3  | 1102.9 | 1324.5 | 1363.0 | 1336.5 |
| 32.5° | 1196.9 | 1182.4 | 1187.2 | 1153.5 | 1098.1 | 1033.1 | 1028.3 | 1153.5 | 1391.9 | 1447.3 | 1425.6 |
| 35°   | 1365.4 | 1348.6 | 1324.5 | 1293.2 | 1240.2 | 1153.5 | 1127.0 | 1235.4 | 1505.1 | 1546.1 | 1546.1 |
| 37.5° | 1587.0 | 1603.8 | 1575.0 | 1444.9 | 1387.1 | 1305.2 | 1249.8 | 1319.7 | 1603.8 | 1702.6 | 1678.5 |
| 40°   | 1813.4 | 1827.8 | 1774.8 | 1678.5 | 1553.3 | 1452.1 | 1418.4 | 1456.9 | 1753.2 | 1871.2 | 1825.4 |
| 42.5° | 1996.4 | 2015.6 | 1996.4 | 1871.2 | 1772.4 | 1642.4 | 1582.2 | 1618.3 | 1945.8 | 2087.9 | 2027.7 |
| 45°   | 2189.0 | 2208.3 | 2186.6 | 2104.7 | 2008.4 | 1933.8 | 1782.1 | 1827.8 | 2148.1 | 2360.0 | 2292.6 |
| 47.5° | 2333.5 | 2357.6 | 2319.1 | 2302.2 | 2225.2 | 2213.1 | 1955.4 | 2006.0 | 2360.0 | 2634.5 | 2550.3 |
| 50°   | 2367.2 | 2393.7 | 2427.4 | 2446.7 | 2420.2 | 2449.1 | 2189.0 | 2232.4 | 2581.6 | 2887.4 | 2805.5 |
| 52.5° | 2287.8 | 2314.3 | 2388.9 | 2478.0 | 2600.8 | 2687.5 | 2425.0 | 2461.2 | 2812.8 | 3096.9 | 3053.6 |
| 55°   | 2054.2 | 2078.3 | 2230.0 | 2350.4 | 2644.2 | 2786.3 | 2651.4 | 2803.1 | 2978.9 | 3316.1 | 3210.1 |
| 57.5° | 1661.6 | 1690.5 | 1890.4 | 2075.9 | 2499.7 | 2730.9 | 2786.3 | 3087.3 | 3253.5 | 3477.4 | 3354.6 |
| 60°   | 1180.0 | 1196.9 | 1370.3 | 1697.8 | 2099.9 | 2453.9 | 2759.8 | 3299.2 | 3470.2 | 3694.1 | 3629.1 |
| 62.5° | 679.1  | 693.6  | 874.2  | 1182.4 | 1584.6 | 2049.4 | 2641.8 | 3499.1 | 3703.8 | 3932.6 | 3896.4 |
| 65°   | 450.3  | 455.1  | 578.0  | 746.5  | 1030.7 | 1509.9 | 2343.2 | 3677.3 | 3935.0 | 4122.8 | 4081.9 |
| 67.5° | 296.2  | 322.7  | 419.0  | 534.6  | 659.8  | 835.6  | 1909.7 | 3751.9 | 4199.9 | 4387.7 | 4378.1 |
| 70°   | 211.9  | 221.6  | 301.0  | 411.8  | 496.1  | 469.6  | 1117.4 | 3224.6 | 4187.8 | 4460.0 | 4380.5 |
| 72.5° | 125.2  | 134.9  | 199.9  | 308.2  | 390.1  | 298.6  | 522.6  | 2280.5 | 3470.2 | 3559.3 | 3537.6 |
| 75°   | 91.5   | 91.5   | 122.8  | 221.6  | 284.2  | 214.3  | 245.6  | 1442.5 | 2304.6 | 2502.1 | 2499.7 |
| 77.5° | 65.0   | 67.4   | 84.3   | 132.4  | 219.1  | 156.5  | 134.9  | 801.9  | 1259.5 | 1377.5 | 1312.5 |
| 80°   | 38.5   | 40.9   | 57.8   | 79.5   | 158.9  | 113.2  | 89.1   | 366.0  | 484.0  | 488.9  | 464.8  |
| 82.5° | 28.9   | 28.9   | 38.5   | 55.4   | 110.8  | 77.1   | 55.4   | 139.7  | 156.5  | 142.1  | 120.4  |
| 85°   | 16.9   | 14.4   | 28.9   | 40.9   | 65.0   | 43.3   | 38.5   | 65.0   | 72.2   | 53.0   | 48.2   |
| 87.5° | 4.8    | 4.8    | 12.0   | 14.4   | 28.9   | 24.1   | 16.9   | 24.1   | 33.7   | 19.3   | 14.4   |
| 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: P676356  
 CATALOG NUMBER: CCW-SA-1F-850-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 734.5  | 734.5  | 734.5 | 734.5 | 734.5 | 734.5 | 734.5 | 734.5 | 734.5 | 734.5 | 734.5 |
| 2.5°  | 739.3  | 732.1  | 720.0 | 715.2 | 698.4 | 691.1 | 686.3 | 674.3 | 676.7 | 669.5 | 669.5 |
| 5°    | 732.1  | 732.1  | 708.0 | 681.5 | 655.0 | 638.2 | 618.9 | 594.8 | 594.8 | 585.2 | 587.6 |
| 7.5°  | 758.6  | 739.3  | 708.0 | 659.8 | 616.5 | 578.0 | 561.1 | 537.0 | 522.6 | 515.4 | 515.4 |
| 10°   | 775.4  | 756.2  | 703.2 | 645.4 | 590.0 | 541.8 | 505.7 | 472.0 | 452.7 | 452.7 | 450.3 |
| 12.5° | 821.2  | 792.3  | 722.5 | 643.0 | 561.1 | 488.9 | 433.5 | 394.9 | 368.5 | 349.2 | 354.0 |
| 15°   | 859.7  | 828.4  | 732.1 | 623.7 | 510.5 | 409.4 | 342.0 | 269.7 | 233.6 | 214.3 | 207.1 |
| 17.5° | 919.9  | 862.1  | 753.8 | 590.0 | 433.5 | 320.3 | 221.6 | 161.3 | 146.9 | 144.5 | 144.5 |
| 20°   | 970.5  | 903.1  | 756.2 | 525.0 | 356.4 | 204.7 | 142.1 | 132.4 | 125.2 | 122.8 | 120.4 |
| 22.5° | 1040.3 | 956.0  | 746.5 | 450.3 | 255.3 | 137.3 | 120.4 | 110.8 | 106.0 | 98.7  | 98.7  |
| 25°   | 1112.6 | 1025.9 | 727.3 | 380.5 | 156.5 | 118.0 | 106.0 | 96.3  | 86.7  | 81.9  | 84.3  |
| 27.5° | 1189.6 | 1078.9 | 671.9 | 296.2 | 120.4 | 103.6 | 86.7  | 79.5  | 74.7  | 72.2  | 72.2  |
| 30°   | 1252.3 | 1112.6 | 590.0 | 197.5 | 108.4 | 91.5  | 77.1  | 69.8  | 65.0  | 62.6  | 62.6  |
| 32.5° | 1298.0 | 1141.5 | 498.5 | 132.4 | 98.7  | 81.9  | 69.8  | 62.6  | 57.8  | 55.4  | 55.4  |
| 35°   | 1375.1 | 1163.2 | 414.2 | 113.2 | 89.1  | 72.2  | 60.2  | 55.4  | 50.6  | 50.6  | 50.6  |
| 37.5° | 1493.1 | 1192.0 | 329.9 | 103.6 | 81.9  | 65.0  | 57.8  | 50.6  | 48.2  | 45.8  | 45.8  |
| 40°   | 1596.6 | 1228.2 | 236.0 | 93.9  | 74.7  | 60.2  | 50.6  | 45.8  | 43.3  | 40.9  | 40.9  |
| 42.5° | 1745.9 | 1269.1 | 154.1 | 84.3  | 67.4  | 55.4  | 45.8  | 40.9  | 38.5  | 36.1  | 36.1  |
| 45°   | 1936.2 | 1336.5 | 120.4 | 74.7  | 60.2  | 50.6  | 43.3  | 38.5  | 33.7  | 33.7  | 31.3  |
| 47.5° | 2138.5 | 1418.4 | 108.4 | 69.8  | 55.4  | 45.8  | 38.5  | 33.7  | 31.3  | 28.9  | 28.9  |
| 50°   | 2326.3 | 1497.9 | 101.1 | 65.0  | 50.6  | 43.3  | 36.1  | 31.3  | 26.5  | 24.1  | 24.1  |
| 52.5° | 2494.9 | 1572.5 | 96.3  | 60.2  | 48.2  | 38.5  | 31.3  | 26.5  | 24.1  | 21.7  | 21.7  |
| 55°   | 2584.0 | 1606.3 | 93.9  | 57.8  | 43.3  | 36.1  | 28.9  | 24.1  | 21.7  | 19.3  | 19.3  |
| 57.5° | 2723.7 | 1649.6 | 91.5  | 55.4  | 40.9  | 31.3  | 26.5  | 21.7  | 19.3  | 16.9  | 16.9  |
| 60°   | 2950.0 | 1791.7 | 89.1  | 53.0  | 38.5  | 31.3  | 24.1  | 19.3  | 14.4  | 12.0  | 12.0  |
| 62.5° | 3137.9 | 1909.7 | 79.5  | 45.8  | 33.7  | 26.5  | 19.3  | 14.4  | 9.6   | 7.2   | 7.2   |
| 65°   | 3352.2 | 1965.1 | 69.8  | 40.9  | 28.9  | 21.7  | 14.4  | 9.6   | 7.2   | 2.4   | 2.4   |
| 67.5° | 3585.8 | 2049.4 | 57.8  | 36.1  | 26.5  | 16.9  | 12.0  | 7.2   | 2.4   | 0.0   | 0.0   |
| 70°   | 3463.0 | 1943.4 | 48.2  | 31.3  | 24.1  | 14.4  | 9.6   | 4.8   | 0.0   | 0.0   | 0.0   |
| 72.5° | 2714.0 | 1391.9 | 38.5  | 28.9  | 21.7  | 14.4  | 9.6   | 2.4   | 0.0   | 0.0   | 0.0   |
| 75°   | 1813.4 | 787.5  | 33.7  | 24.1  | 16.9  | 12.0  | 7.2   | 2.4   | 0.0   | 0.0   | 0.0   |
| 77.5° | 984.9  | 354.0  | 28.9  | 21.7  | 14.4  | 9.6   | 7.2   | 2.4   | 0.0   | 0.0   | 0.0   |
| 80°   | 320.3  | 139.7  | 24.1  | 19.3  | 14.4  | 9.6   | 7.2   | 2.4   | 0.0   | 0.0   | 0.0   |
| 82.5° | 86.7   | 43.3   | 24.1  | 19.3  | 14.4  | 9.6   | 7.2   | 2.4   | 0.0   | 0.0   | 0.0   |
| 85°   | 36.1   | 28.9   | 24.1  | 19.3  | 14.4  | 9.6   | 7.2   | 2.4   | 0.0   | 0.0   | 0.0   |
| 87.5° | 14.4   | 9.6    | 9.6   | 12.0  | 9.6   | 7.2   | 4.8   | 2.4   | 0.0   | 0.0   | 0.0   |
| 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: P676356  
 CATALOG NUMBER: CCW-SA-1F-850-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°   | 270°   | 275°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 734.5 | 734.5 | 734.5 | 734.5 | 734.5 | 734.5 | 734.5 | 734.5 | 734.5  | 734.5  | 734.5  |
| 2.5°  | 671.9 | 676.7 | 679.1 | 679.1 | 691.1 | 703.2 | 717.6 | 729.7 | 729.7  | 736.9  | 744.1  |
| 5°    | 590.0 | 594.8 | 602.0 | 623.7 | 647.8 | 674.3 | 700.8 | 720.0 | 746.5  | 758.6  | 765.8  |
| 7.5°  | 522.6 | 527.4 | 546.7 | 568.3 | 602.0 | 647.8 | 693.6 | 736.9 | 763.4  | 775.4  | 785.1  |
| 10°   | 452.7 | 460.0 | 481.6 | 520.2 | 563.5 | 618.9 | 671.9 | 746.5 | 789.9  | 814.0  | 823.6  |
| 12.5° | 351.6 | 370.9 | 399.8 | 440.7 | 496.1 | 580.4 | 679.1 | 756.2 | 830.8  | 859.7  | 879.0  |
| 15°   | 221.6 | 238.4 | 284.2 | 349.2 | 423.8 | 522.6 | 659.8 | 770.6 | 874.2  | 903.1  | 934.4  |
| 17.5° | 142.1 | 144.5 | 158.9 | 228.8 | 325.1 | 450.3 | 630.9 | 792.3 | 922.3  | 963.3  | 1011.4 |
| 20°   | 120.4 | 125.2 | 127.6 | 137.3 | 216.7 | 370.9 | 570.7 | 818.8 | 980.1  | 1035.5 | 1081.3 |
| 22.5° | 101.1 | 103.6 | 108.4 | 115.6 | 130.0 | 269.7 | 488.9 | 818.8 | 1030.7 | 1112.6 | 1165.6 |
| 25°   | 81.9  | 86.7  | 91.5  | 98.7  | 113.2 | 168.6 | 404.6 | 804.3 | 1090.9 | 1192.0 | 1259.5 |
| 27.5° | 72.2  | 72.2  | 77.1  | 84.3  | 96.3  | 118.0 | 320.3 | 761.0 | 1136.7 | 1240.2 | 1329.3 |
| 30°   | 62.6  | 65.0  | 67.4  | 74.7  | 86.7  | 103.6 | 221.6 | 691.1 | 1184.8 | 1334.1 | 1435.3 |
| 32.5° | 55.4  | 55.4  | 60.2  | 65.0  | 77.1  | 93.9  | 142.1 | 585.2 | 1247.4 | 1406.4 | 1548.5 |
| 35°   | 50.6  | 50.6  | 53.0  | 57.8  | 69.8  | 84.3  | 110.8 | 496.1 | 1322.1 | 1543.6 | 1700.2 |
| 37.5° | 45.8  | 45.8  | 48.2  | 53.0  | 62.6  | 74.7  | 101.1 | 426.2 | 1399.2 | 1680.9 | 1909.7 |
| 40°   | 40.9  | 40.9  | 43.3  | 48.2  | 55.4  | 67.4  | 91.5  | 344.4 | 1495.5 | 1883.2 | 2138.5 |
| 42.5° | 36.1  | 36.1  | 38.5  | 43.3  | 50.6  | 60.2  | 79.5  | 257.7 | 1623.1 | 2102.3 | 2434.7 |
| 45°   | 31.3  | 31.3  | 33.7  | 38.5  | 43.3  | 55.4  | 72.2  | 197.5 | 1762.8 | 2345.6 | 2694.8 |
| 47.5° | 26.5  | 28.9  | 31.3  | 36.1  | 40.9  | 50.6  | 65.0  | 173.4 | 1900.1 | 2603.2 | 2983.7 |
| 50°   | 24.1  | 24.1  | 26.5  | 31.3  | 38.5  | 45.8  | 60.2  | 171.0 | 2039.7 | 2800.7 | 3279.9 |
| 52.5° | 21.7  | 21.7  | 24.1  | 28.9  | 36.1  | 43.3  | 57.8  | 175.8 | 2155.3 | 2983.7 | 3487.0 |
| 55°   | 19.3  | 19.3  | 21.7  | 24.1  | 31.3  | 40.9  | 53.0  | 180.6 | 2237.2 | 3169.2 | 3653.2 |
| 57.5° | 16.9  | 16.9  | 19.3  | 24.1  | 28.9  | 36.1  | 48.2  | 185.4 | 2369.6 | 3352.2 | 3894.0 |
| 60°   | 12.0  | 12.0  | 16.9  | 21.7  | 26.5  | 31.3  | 45.8  | 190.2 | 2581.6 | 3605.0 | 4098.7 |
| 62.5° | 7.2   | 7.2   | 9.6   | 16.9  | 21.7  | 28.9  | 40.9  | 180.6 | 2779.0 | 3930.2 | 4411.8 |
| 65°   | 2.4   | 4.8   | 7.2   | 9.6   | 16.9  | 24.1  | 33.7  | 163.8 | 2945.2 | 4255.3 | 4700.8 |
| 67.5° | 0.0   | 0.0   | 2.4   | 7.2   | 14.4  | 19.3  | 28.9  | 120.4 | 2971.7 | 4402.2 | 4997.0 |
| 70°   | 0.0   | 0.0   | 2.4   | 7.2   | 12.0  | 19.3  | 26.5  | 67.4  | 2531.0 | 3932.6 | 4580.4 |
| 72.5° | 0.0   | 0.0   | 0.0   | 4.8   | 12.0  | 16.9  | 24.1  | 50.6  | 1866.3 | 2964.5 | 3619.5 |
| 75°   | 0.0   | 0.0   | 0.0   | 2.4   | 9.6   | 14.4  | 21.7  | 38.5  | 1134.3 | 1977.1 | 2362.4 |
| 77.5° | 0.0   | 0.0   | 0.0   | 2.4   | 7.2   | 14.4  | 21.7  | 33.7  | 399.8  | 941.6  | 1110.2 |
| 80°   | 0.0   | 0.0   | 0.0   | 4.8   | 9.6   | 14.4  | 19.3  | 28.9  | 96.3   | 236.0  | 317.9  |
| 82.5° | 0.0   | 0.0   | 0.0   | 2.4   | 7.2   | 12.0  | 16.9  | 24.1  | 38.5   | 69.8   | 110.8  |
| 85°   | 0.0   | 0.0   | 0.0   | 2.4   | 4.8   | 12.0  | 16.9  | 21.7  | 26.5   | 33.7   | 48.2   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 2.4   | 4.8   | 7.2   | 9.6   | 9.6    | 9.6    | 16.9   |
| 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: P676356  
 CATALOG NUMBER: CCW-SA-1F-850-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 276°   | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  | 734.5  |
| 2.5°  | 741.7  | 751.4  | 756.2  | 765.8  | 770.6  | 768.2  | 765.8  | 773.0  | 768.2  | 761.0  |
| 5°    | 768.2  | 768.2  | 775.4  | 777.8  | 777.8  | 770.6  | 775.4  | 773.0  | 768.2  | 768.2  |
| 7.5°  | 797.1  | 809.1  | 809.1  | 794.7  | 792.3  | 787.5  | 787.5  | 768.2  | 761.0  | 768.2  |
| 10°   | 826.0  | 835.6  | 838.0  | 821.2  | 799.5  | 789.9  | 777.8  | 753.8  | 741.7  | 746.5  |
| 12.5° | 886.2  | 886.2  | 859.7  | 840.5  | 811.6  | 777.8  | 748.9  | 715.2  | 698.4  | 703.2  |
| 15°   | 929.6  | 939.2  | 903.1  | 859.7  | 809.1  | 746.5  | 715.2  | 688.7  | 679.1  | 671.9  |
| 17.5° | 1013.8 | 994.6  | 936.8  | 874.2  | 801.9  | 736.9  | 715.2  | 691.1  | 683.9  | 683.9  |
| 20°   | 1086.1 | 1076.5 | 989.8  | 876.6  | 799.5  | 756.2  | 741.7  | 729.7  | 727.3  | 720.0  |
| 22.5° | 1184.8 | 1141.5 | 1030.7 | 903.1  | 826.0  | 787.5  | 782.7  | 794.7  | 787.5  | 782.7  |
| 25°   | 1259.5 | 1223.4 | 1062.0 | 941.6  | 866.9  | 854.9  | 862.1  | 874.2  | 854.9  | 847.7  |
| 27.5° | 1360.6 | 1293.2 | 1122.2 | 992.2  | 922.3  | 934.4  | 958.5  | 960.9  | 948.8  | 956.0  |
| 30°   | 1454.5 | 1382.3 | 1168.0 | 1050.0 | 1016.3 | 1028.3 | 1064.4 | 1090.9 | 1074.0 | 1064.4 |
| 32.5° | 1589.4 | 1478.6 | 1259.5 | 1146.3 | 1134.3 | 1165.6 | 1206.5 | 1223.4 | 1201.7 | 1196.9 |
| 35°   | 1731.5 | 1589.4 | 1353.4 | 1254.7 | 1276.3 | 1319.7 | 1355.8 | 1384.7 | 1351.0 | 1365.4 |
| 37.5° | 1953.0 | 1767.6 | 1512.3 | 1425.6 | 1435.3 | 1452.1 | 1519.6 | 1599.0 | 1615.9 | 1587.0 |
| 40°   | 2184.2 | 1960.3 | 1659.2 | 1591.8 | 1613.5 | 1659.2 | 1738.7 | 1813.4 | 1851.9 | 1813.4 |
| 42.5° | 2451.5 | 2145.7 | 1885.6 | 1806.1 | 1827.8 | 1892.8 | 1998.8 | 2059.0 | 2054.2 | 1996.4 |
| 45°   | 2781.4 | 2403.4 | 2097.5 | 1998.8 | 2078.3 | 2136.1 | 2242.0 | 2249.2 | 2203.5 | 2189.0 |
| 47.5° | 3034.3 | 2620.1 | 2326.3 | 2263.7 | 2372.1 | 2374.5 | 2398.5 | 2401.0 | 2350.4 | 2333.5 |
| 50°   | 3313.7 | 2870.6 | 2581.6 | 2490.1 | 2673.1 | 2588.8 | 2523.8 | 2480.4 | 2403.4 | 2367.2 |
| 52.5° | 3588.2 | 3048.8 | 2817.6 | 2723.7 | 2913.9 | 2689.9 | 2571.9 | 2439.5 | 2326.3 | 2287.8 |
| 55°   | 3735.1 | 3342.6 | 3161.9 | 2942.8 | 2966.9 | 2718.8 | 2422.6 | 2256.5 | 2063.8 | 2054.2 |
| 57.5° | 3908.5 | 3540.0 | 3453.3 | 3092.1 | 2877.8 | 2516.5 | 2112.0 | 1892.8 | 1685.7 | 1661.6 |
| 60°   | 4113.2 | 3853.1 | 3761.6 | 3068.0 | 2562.3 | 2114.4 | 1673.7 | 1391.9 | 1196.9 | 1180.0 |
| 62.5° | 4341.9 | 4223.9 | 3951.8 | 2832.0 | 2034.9 | 1488.3 | 1105.4 | 869.4  | 688.7  | 679.1  |
| 65°   | 4703.2 | 4534.6 | 4053.0 | 2384.1 | 1346.2 | 953.6  | 734.5  | 563.5  | 455.1  | 450.3  |
| 67.5° | 4929.5 | 4652.6 | 3826.6 | 1700.2 | 746.5  | 630.9  | 515.4  | 409.4  | 315.5  | 296.2  |
| 70°   | 4609.3 | 4269.7 | 3027.1 | 972.9  | 433.5  | 479.2  | 397.3  | 274.5  | 216.7  | 211.9  |
| 72.5° | 3682.1 | 3169.2 | 2037.3 | 457.6  | 269.7  | 375.7  | 289.0  | 185.4  | 130.0  | 125.2  |
| 75°   | 2511.7 | 1994.0 | 1278.7 | 211.9  | 190.2  | 274.5  | 211.9  | 108.4  | 91.5   | 91.5   |
| 77.5° | 1122.2 | 1016.3 | 655.0  | 130.0  | 142.1  | 209.5  | 122.8  | 74.7   | 67.4   | 65.0   |
| 80°   | 342.0  | 358.8  | 267.3  | 89.1   | 106.0  | 158.9  | 74.7   | 50.6   | 40.9   | 38.5   |
| 82.5° | 115.6  | 134.9  | 120.4  | 53.0   | 72.2   | 113.2  | 50.6   | 33.7   | 28.9   | 28.9   |
| 85°   | 55.4   | 67.4   | 60.2   | 33.7   | 38.5   | 55.4   | 40.9   | 26.5   | 16.9   | 16.9   |
| 87.5° | 21.7   | 31.3   | 21.7   | 14.4   | 21.7   | 28.9   | 16.9   | 12.0   | 4.8    | 4.8    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)