

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: P677294

Luminaire Tested: **CCW-SA-1B-750-U-SLL-HSS**

Issue Date: 04/25/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P677294  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-750-U-SLL-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/  
SLL distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

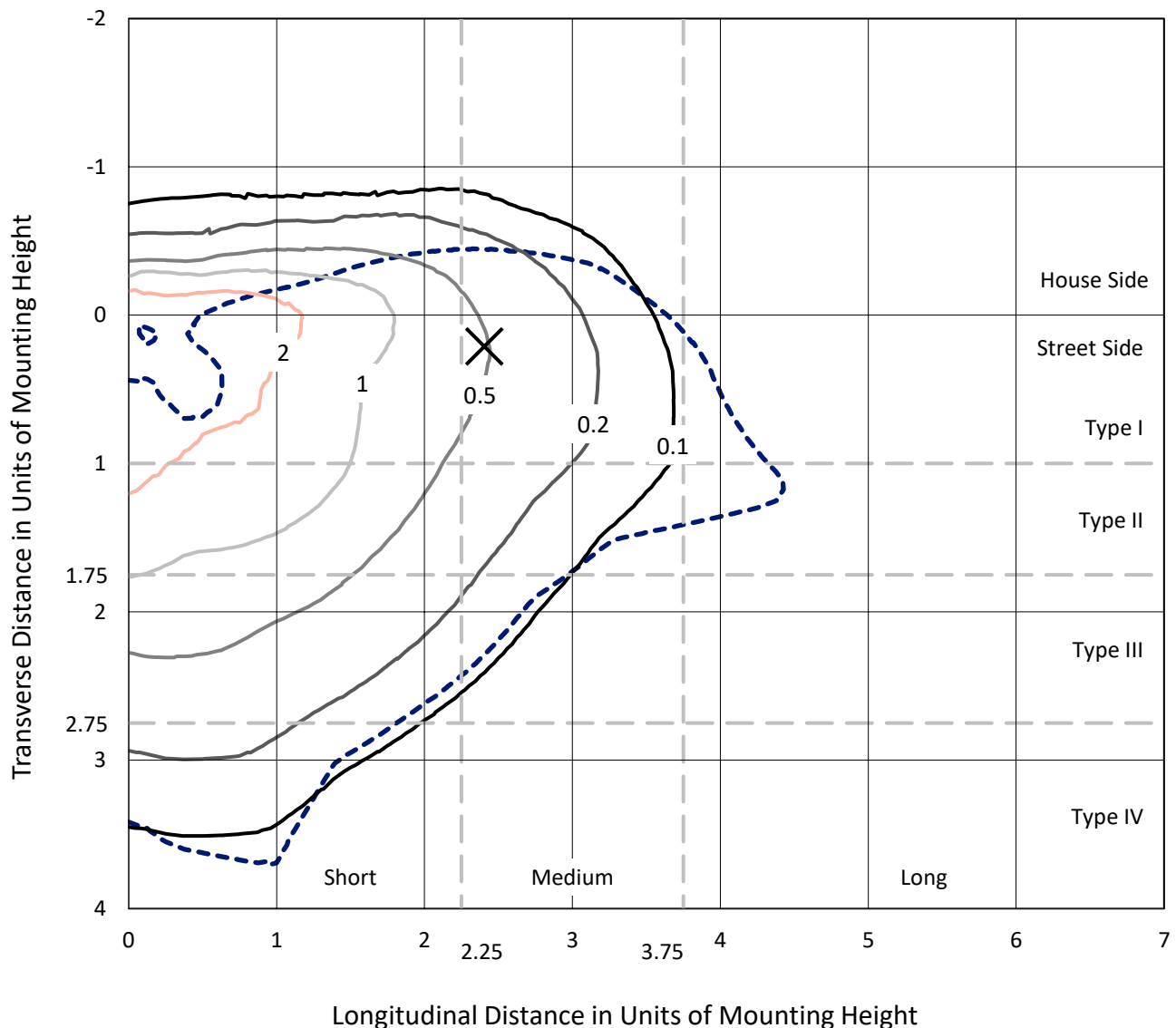
Lumens per Lamp: N/A  
Luminaire Lumens: 2563.1 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 24  
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

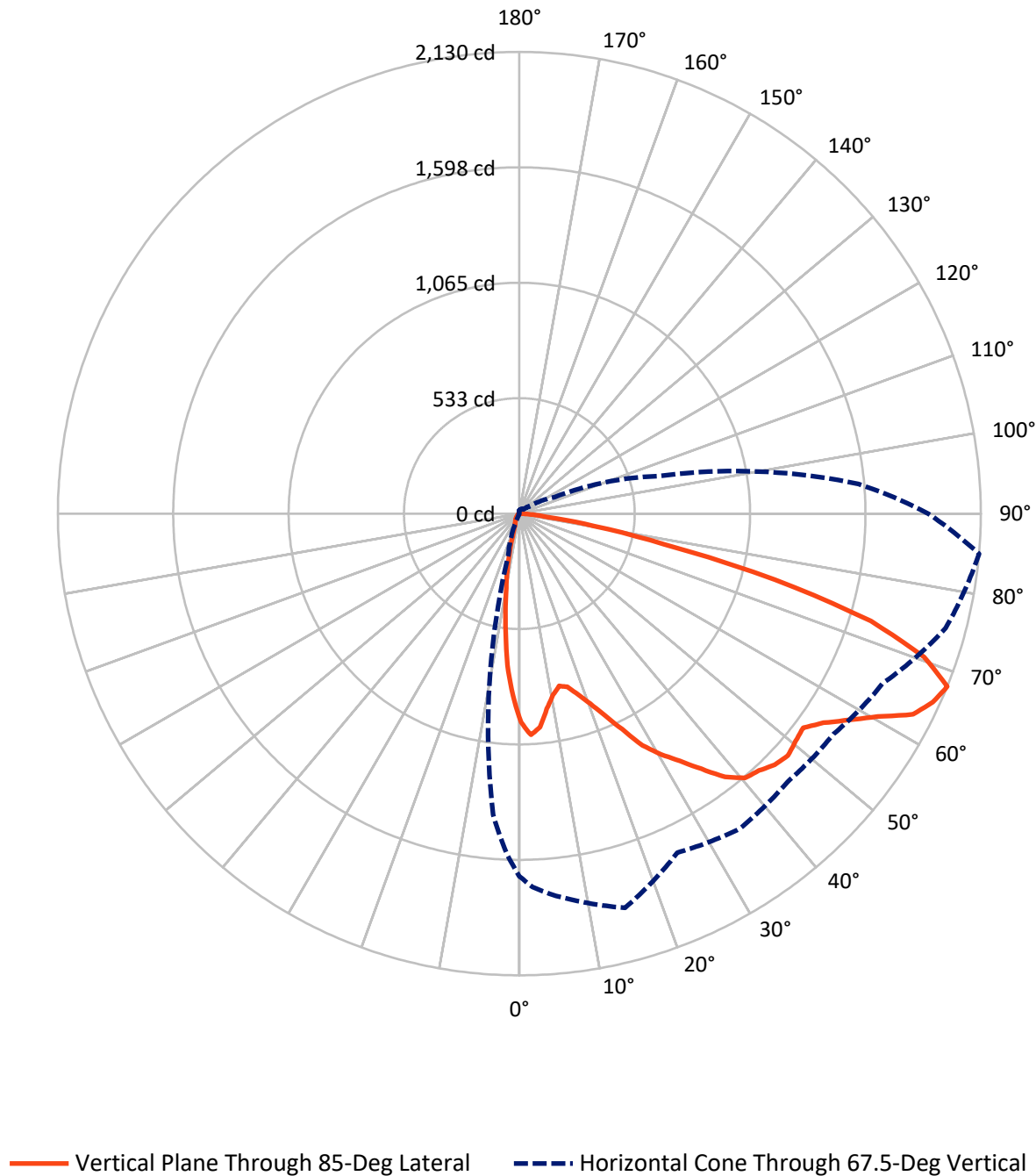
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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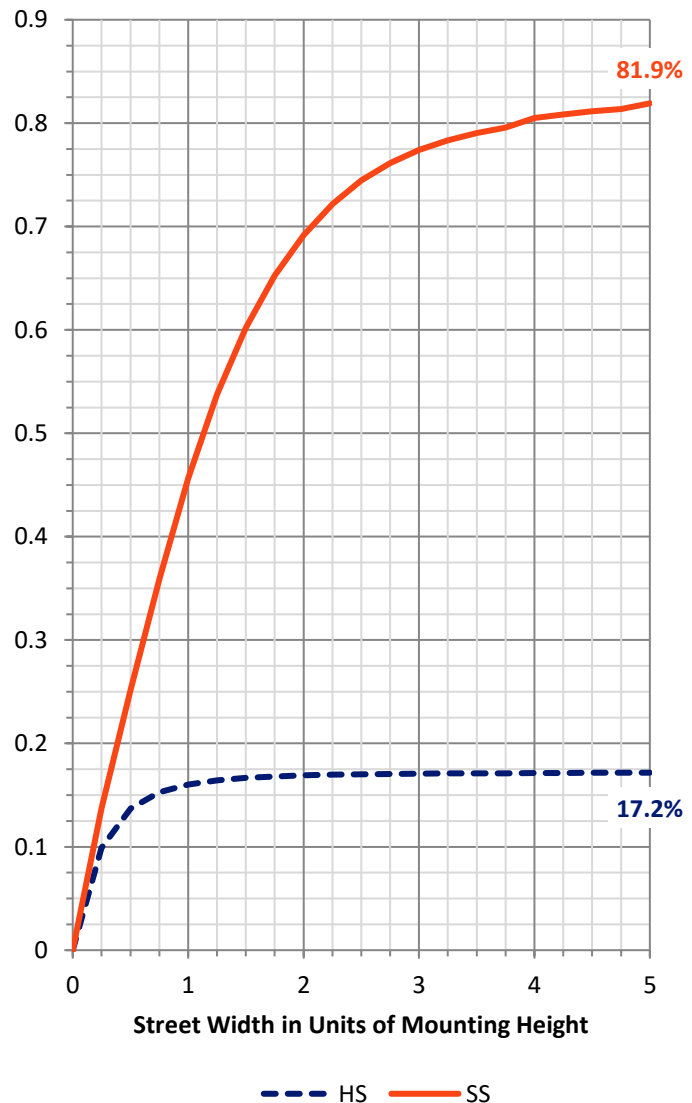
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 445.0    | 0.0    | 445.0  |
|                    | % Fixture | 17.4     | 0.0    | 17.4   |
| <b>Street Side</b> | Lumens    | 2118.1   | 0.0    | 2118.1 |
|                    | % Fixture | 82.6     | 0.0    | 82.6   |
| <b>Total</b>       | Lumens    | 2563.1   | 0.0    | 2563.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 73.2   | 2.9       |
| 10°-20°   | 143.6  | 5.6       |
| 20°-30°   | 198.7  | 7.8       |
| 30°-40°   | 280.8  | 11.0      |
| 40°-50°   | 382.3  | 14.9      |
| 50°-60°   | 506.3  | 19.8      |
| 60°-70°   | 587.9  | 22.9      |
| 70°-80°   | 332.9  | 13.0      |
| 80°-90°   | 57.5   | 2.2       |
| 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°    | 2563.1 | 100.0     |
| 0°-180°   | 2563.1 | 100.0     |

**Coefficient of Utilization**



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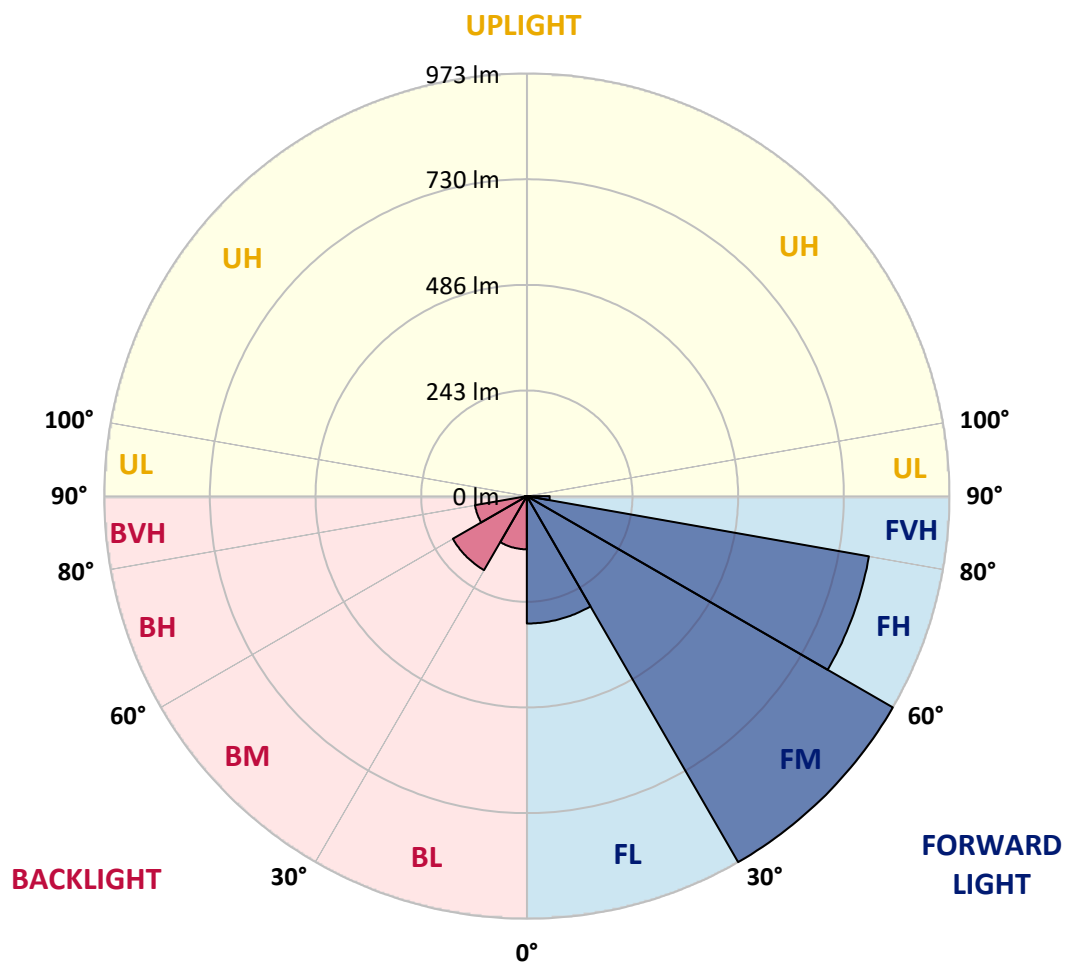
CATALOG NUMBER: CCW-SA-1B-750-U-SLL-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 293.1  | 11.4      |                         |      |         |
| FM   | (30°-60°)   | 972.7  | 38.0      |                         |      |         |
| FH   | (60°-80°)   | 799.6  | 31.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 52.7   | 2.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 122.3  | 4.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 196.6  | 7.7       | B0/220                  |      |         |
| BH   | (60°-80°)   | 121.2  | 4.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.8    | 0.2       |                         |      | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 963.7  | 963.7  | 963.7  | 963.7  | 963.7  | 963.7  | 963.7  | 963.7  | 963.7  | 963.7  | 963.7  |
| 2.5°  | 1001.4 | 1022.6 | 1023.3 | 1032.8 | 1042.4 | 1042.4 | 1065.0 | 1059.5 | 1039.7 | 1036.3 | 1021.9 |
| 5°    | 1008.9 | 1016.4 | 1021.9 | 1070.5 | 1111.6 | 1107.4 | 1119.8 | 1111.6 | 1073.2 | 1023.9 | 990.4  |
| 7.5°  | 943.9  | 952.1  | 974.0  | 1056.8 | 1112.2 | 1130.7 | 1154.0 | 1102.7 | 1062.3 | 973.3  | 909.0  |
| 10°   | 857.6  | 873.4  | 913.7  | 1008.2 | 1076.6 | 1135.5 | 1135.5 | 1094.4 | 1016.4 | 929.5  | 850.8  |
| 12.5° | 809.7  | 841.2  | 863.1  | 958.9  | 1047.9 | 1088.3 | 1086.9 | 1065.0 | 1014.4 | 904.8  | 815.9  |
| 15°   | 817.9  | 826.8  | 873.4  | 948.0  | 1006.8 | 1004.8 | 1029.4 | 1022.6 | 987.0  | 926.7  | 828.9  |
| 17.5° | 855.6  | 869.3  | 909.6  | 948.0  | 976.0  | 967.8  | 967.1  | 1000.0 | 1002.0 | 963.7  | 877.5  |
| 20°   | 917.2  | 957.6  | 976.7  | 988.4  | 954.1  | 919.2  | 915.1  | 961.0  | 996.6  | 1010.9 | 935.6  |
| 22.5° | 1015.7 | 1042.4 | 1081.4 | 1021.9 | 932.9  | 889.1  | 880.9  | 931.5  | 1003.4 | 1067.1 | 1010.9 |
| 25°   | 1112.2 | 1132.8 | 1170.4 | 1093.8 | 956.9  | 882.9  | 868.6  | 912.4  | 1029.4 | 1145.1 | 1102.0 |
| 27.5° | 1214.2 | 1232.0 | 1236.1 | 1146.5 | 969.9  | 870.6  | 853.5  | 912.4  | 1051.3 | 1186.2 | 1210.8 |
| 30°   | 1276.5 | 1297.7 | 1301.8 | 1193.0 | 991.1  | 880.9  | 872.7  | 916.5  | 1066.4 | 1221.1 | 1288.8 |
| 32.5° | 1346.3 | 1351.8 | 1348.4 | 1201.2 | 1014.4 | 911.0  | 876.8  | 943.9  | 1083.5 | 1262.8 | 1360.0 |
| 35°   | 1429.8 | 1439.4 | 1404.5 | 1238.9 | 1066.4 | 930.2  | 917.9  | 977.4  | 1112.9 | 1282.0 | 1446.3 |
| 37.5° | 1493.5 | 1523.6 | 1444.9 | 1253.2 | 1076.6 | 970.6  | 972.6  | 1047.2 | 1133.5 | 1305.3 | 1541.4 |
| 40°   | 1613.3 | 1562.6 | 1513.3 | 1302.5 | 1115.7 | 1039.0 | 1028.0 | 1119.1 | 1202.6 | 1320.3 | 1603.7 |
| 42.5° | 1679.0 | 1652.3 | 1540.0 | 1307.3 | 1175.9 | 1133.5 | 1136.2 | 1200.5 | 1238.9 | 1362.7 | 1620.8 |
| 45°   | 1695.4 | 1667.3 | 1576.3 | 1310.7 | 1235.4 | 1245.0 | 1292.2 | 1304.6 | 1292.2 | 1390.8 | 1653.0 |
| 47.5° | 1737.1 | 1676.2 | 1572.2 | 1356.6 | 1331.9 | 1368.9 | 1429.1 | 1455.8 | 1364.8 | 1380.5 | 1668.0 |
| 50°   | 1728.9 | 1694.0 | 1563.3 | 1375.8 | 1449.7 | 1547.5 | 1587.9 | 1577.0 | 1445.6 | 1359.3 | 1651.6 |
| 52.5° | 1694.7 | 1657.1 | 1590.7 | 1427.8 | 1559.9 | 1678.3 | 1734.4 | 1707.0 | 1517.4 | 1407.2 | 1640.6 |
| 55°   | 1744.7 | 1715.9 | 1626.3 | 1498.3 | 1642.7 | 1793.3 | 1833.0 | 1812.4 | 1605.7 | 1451.7 | 1702.9 |
| 57.5° | 1798.7 | 1792.6 | 1722.8 | 1581.1 | 1740.6 | 1911.7 | 1911.7 | 1886.4 | 1682.4 | 1516.1 | 1795.3 |
| 60°   | 1876.8 | 1890.5 | 1794.0 | 1635.8 | 1774.1 | 1904.8 | 2004.1 | 1974.6 | 1759.7 | 1629.0 | 1900.0 |
| 62.5° | 1851.4 | 1895.3 | 1885.7 | 1753.6 | 1812.4 | 1938.4 | 1992.4 | 2014.3 | 1855.6 | 1766.6 | 2039.7 |
| 65°   | 1770.0 | 1816.5 | 1885.0 | 1830.9 | 1783.7 | 1856.9 | 1884.3 | 1950.7 | 1903.5 | 1895.9 | 2097.2 |
| 67.5° | 1672.8 | 1723.5 | 1765.9 | 1882.9 | 1725.5 | 1774.1 | 1750.1 | 1771.4 | 1851.4 | 2037.6 | 2130.0 |
| 70°   | 1460.6 | 1509.2 | 1576.3 | 1767.3 | 1571.5 | 1527.7 | 1521.5 | 1511.3 | 1635.8 | 1987.0 | 1980.8 |
| 72.5° | 1201.2 | 1223.8 | 1334.7 | 1436.7 | 1162.9 | 1154.7 | 1164.3 | 1152.6 | 1297.0 | 1798.7 | 1696.8 |
| 75°   | 899.4  | 922.0  | 984.9  | 1103.3 | 791.9  | 744.7  | 799.4  | 853.5  | 990.4  | 1396.3 | 1219.0 |
| 77.5° | 676.2  | 705.0  | 744.7  | 825.5  | 581.1  | 507.2  | 514.7  | 566.0  | 715.9  | 1118.4 | 683.1  |
| 80°   | 438.7  | 435.3  | 512.0  | 568.1  | 437.4  | 451.1  | 431.9  | 469.5  | 518.8  | 598.2  | 349.1  |
| 82.5° | 253.2  | 256.7  | 288.8  | 325.8  | 304.6  | 348.4  | 251.2  | 419.6  | 370.3  | 243.7  | 130.0  |
| 85°   | 142.4  | 148.5  | 178.0  | 225.9  | 191.0  | 128.0  | 104.7  | 208.1  | 232.7  | 99.9   | 63.0   |
| 87.5° | 14.4   | 12.3   | 24.0   | 85.6   | 52.0   | 21.2   | 31.5   | 50.0   | 56.1   | 37.6   | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 963.7  | 963.7  | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 |
| 2.5°  | 1001.4 | 1001.4 | 984.2 | 955.5 | 943.9 | 923.3 | 895.3 | 904.2 | 894.6 | 859.7 | 850.8 |
| 5°    | 960.3  | 927.4  | 891.8 | 848.0 | 822.7 | 770.7 | 754.3 | 724.8 | 729.6 | 700.2 | 701.6 |
| 7.5°  | 874.7  | 848.7  | 788.5 | 731.0 | 681.0 | 635.9 | 572.2 | 548.2 | 525.0 | 513.3 | 527.0 |
| 10°   | 824.8  | 776.2  | 694.0 | 618.7 | 552.4 | 512.0 | 469.5 | 436.7 | 406.6 | 384.0 | 379.2 |
| 12.5° | 788.5  | 745.4  | 646.1 | 554.4 | 502.4 | 469.5 | 430.5 | 385.3 | 355.9 | 316.9 | 305.3 |
| 15°   | 777.5  | 724.8  | 620.1 | 529.1 | 478.4 | 424.4 | 379.9 | 335.4 | 297.1 | 256.0 | 241.6 |
| 17.5° | 815.2  | 754.3  | 619.4 | 508.5 | 437.4 | 379.2 | 317.6 | 267.6 | 228.6 | 191.0 | 182.1 |
| 20°   | 878.8  | 785.8  | 639.3 | 496.2 | 398.4 | 320.3 | 250.5 | 200.5 | 156.7 | 132.1 | 125.9 |
| 22.5° | 951.4  | 839.1  | 641.3 | 463.4 | 359.3 | 261.5 | 182.7 | 132.1 | 107.5 | 95.8  | 92.4  |
| 25°   | 1040.4 | 924.7  | 666.0 | 436.7 | 313.5 | 198.5 | 130.0 | 101.3 | 86.9  | 80.1  | 78.7  |
| 27.5° | 1113.6 | 984.2  | 692.7 | 408.6 | 268.3 | 147.2 | 102.0 | 82.8  | 75.3  | 68.4  | 67.8  |
| 30°   | 1189.6 | 1052.7 | 700.2 | 391.5 | 229.3 | 121.1 | 87.6  | 73.2  | 65.0  | 61.6  | 60.9  |
| 32.5° | 1256.0 | 1127.3 | 724.2 | 363.4 | 192.3 | 106.8 | 79.4  | 65.7  | 60.2  | 54.8  | 54.1  |
| 35°   | 1341.5 | 1170.4 | 735.8 | 348.4 | 178.6 | 96.5  | 72.6  | 60.2  | 52.0  | 48.6  | 47.2  |
| 37.5° | 1433.2 | 1212.2 | 743.3 | 336.8 | 167.0 | 90.3  | 68.4  | 56.8  | 49.3  | 44.5  | 43.1  |
| 40°   | 1518.8 | 1271.0 | 732.4 | 322.4 | 158.1 | 82.8  | 65.7  | 52.7  | 45.9  | 41.1  | 39.0  |
| 42.5° | 1584.5 | 1328.5 | 728.9 | 308.7 | 148.5 | 80.1  | 62.3  | 50.6  | 43.1  | 37.6  | 37.0  |
| 45°   | 1621.5 | 1367.5 | 705.0 | 297.7 | 141.0 | 81.4  | 60.9  | 47.9  | 41.1  | 36.3  | 33.5  |
| 47.5° | 1612.6 | 1397.7 | 711.1 | 294.3 | 130.7 | 76.0  | 60.2  | 45.9  | 37.6  | 33.5  | 31.5  |
| 50°   | 1661.9 | 1458.6 | 700.9 | 283.4 | 123.2 | 68.4  | 65.7  | 45.9  | 37.0  | 32.2  | 30.1  |
| 52.5° | 1670.1 | 1514.0 | 722.8 | 263.5 | 111.6 | 63.0  | 65.0  | 45.2  | 35.6  | 30.8  | 28.1  |
| 55°   | 1738.5 | 1578.3 | 765.2 | 252.6 | 102.0 | 54.8  | 59.5  | 43.8  | 32.2  | 28.1  | 26.7  |
| 57.5° | 1831.6 | 1711.8 | 792.6 | 242.3 | 89.0  | 47.9  | 50.0  | 43.1  | 29.4  | 26.0  | 24.0  |
| 60°   | 1921.3 | 1765.2 | 794.7 | 223.8 | 76.7  | 43.1  | 39.0  | 43.1  | 27.4  | 23.3  | 21.2  |
| 62.5° | 1988.3 | 1765.2 | 781.0 | 208.1 | 67.1  | 38.3  | 34.2  | 41.1  | 24.6  | 20.5  | 19.2  |
| 65°   | 1952.1 | 1718.0 | 745.4 | 195.1 | 60.9  | 33.5  | 29.4  | 31.5  | 21.9  | 17.8  | 16.4  |
| 67.5° | 1887.0 | 1570.8 | 666.7 | 179.3 | 60.2  | 29.4  | 25.3  | 23.3  | 19.2  | 15.7  | 14.4  |
| 70°   | 1783.0 | 1372.3 | 555.1 | 161.5 | 58.9  | 26.7  | 22.6  | 19.8  | 17.1  | 13.7  | 12.3  |
| 72.5° | 1436.7 | 1133.5 | 455.8 | 151.3 | 57.5  | 23.3  | 19.2  | 17.1  | 14.4  | 11.6  | 10.3  |
| 75°   | 995.2  | 724.2  | 351.1 | 129.4 | 56.1  | 21.2  | 17.8  | 15.1  | 12.3  | 9.6   | 8.9   |
| 77.5° | 596.8  | 483.9  | 226.6 | 97.2  | 37.0  | 17.1  | 15.1  | 11.6  | 10.3  | 8.2   | 7.5   |
| 80°   | 279.3  | 228.6  | 91.7  | 37.6  | 17.8  | 12.3  | 10.3  | 8.9   | 8.2   | 6.8   | 6.2   |
| 82.5° | 109.5  | 96.5   | 44.5  | 21.9  | 14.4  | 9.6   | 8.2   | 7.5   | 6.8   | 5.5   | 4.8   |
| 85°   | 58.9   | 52.0   | 21.2  | 15.1  | 10.3  | 6.8   | 6.8   | 6.2   | 5.5   | 4.8   | 4.1   |
| 87.5° | 13.0   | 9.6    | 8.9   | 8.9   | 7.5   | 5.5   | 5.5   | 4.8   | 4.1   | 3.4   | 2.7   |
| 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):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  | 275°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 |
| 2.5°  | 846.0 | 856.3 | 839.8 | 850.1 | 835.7 | 846.7 | 848.0 | 837.8 | 840.5 | 854.2 | 860.4 |
| 5°    | 720.7 | 713.9 | 698.8 | 694.0 | 694.7 | 685.8 | 689.2 | 694.0 | 701.6 | 705.7 | 718.0 |
| 7.5°  | 519.5 | 535.2 | 534.6 | 546.2 | 546.9 | 545.5 | 535.9 | 515.4 | 522.2 | 516.8 | 523.6 |
| 10°   | 371.7 | 378.5 | 391.5 | 399.0 | 412.7 | 405.2 | 383.3 | 375.1 | 371.0 | 370.3 | 377.1 |
| 12.5° | 297.1 | 280.6 | 279.3 | 282.0 | 288.8 | 279.9 | 269.0 | 259.4 | 264.2 | 273.8 | 281.3 |
| 15°   | 230.0 | 216.3 | 198.5 | 195.8 | 197.1 | 193.0 | 181.4 | 169.1 | 172.5 | 182.1 | 187.5 |
| 17.5° | 176.6 | 160.8 | 148.5 | 140.3 | 137.6 | 123.2 | 106.1 | 95.8  | 93.1  | 92.4  | 97.2  |
| 20°   | 119.1 | 116.4 | 114.3 | 104.0 | 104.0 | 83.5  | 69.1  | 61.6  | 61.6  | 63.0  | 63.7  |
| 22.5° | 89.0  | 85.6  | 86.2  | 84.2  | 78.7  | 62.3  | 54.8  | 52.7  | 52.7  | 54.1  | 54.1  |
| 25°   | 77.3  | 72.6  | 71.2  | 70.5  | 65.0  | 53.4  | 47.9  | 45.9  | 45.9  | 47.2  | 47.2  |
| 27.5° | 65.7  | 64.3  | 62.3  | 59.5  | 54.8  | 45.9  | 42.4  | 40.4  | 41.1  | 41.8  | 41.1  |
| 30°   | 60.2  | 56.8  | 54.1  | 54.1  | 48.6  | 41.1  | 38.3  | 37.0  | 35.6  | 37.0  | 37.6  |
| 32.5° | 53.4  | 51.3  | 50.0  | 47.9  | 41.8  | 36.3  | 33.5  | 32.2  | 31.5  | 31.5  | 32.2  |
| 35°   | 45.9  | 45.9  | 44.5  | 41.8  | 36.3  | 32.9  | 29.4  | 28.1  | 27.4  | 28.1  | 28.1  |
| 37.5° | 41.1  | 39.0  | 39.7  | 37.0  | 32.2  | 28.7  | 25.3  | 24.0  | 24.0  | 23.3  | 24.0  |
| 40°   | 38.3  | 34.9  | 32.9  | 31.5  | 28.7  | 24.6  | 21.9  | 20.5  | 19.8  | 19.8  | 19.8  |
| 42.5° | 34.2  | 31.5  | 27.4  | 26.7  | 26.0  | 21.2  | 17.8  | 17.1  | 16.4  | 15.7  | 15.7  |
| 45°   | 32.2  | 28.1  | 24.6  | 21.2  | 21.2  | 17.8  | 15.1  | 13.7  | 13.0  | 12.3  | 13.0  |
| 47.5° | 29.4  | 25.3  | 21.2  | 17.8  | 17.1  | 14.4  | 11.6  | 10.3  | 9.6   | 9.6   | 9.6   |
| 50°   | 28.1  | 22.6  | 18.5  | 15.1  | 13.0  | 11.6  | 8.9   | 7.5   | 6.8   | 6.8   | 6.8   |
| 52.5° | 26.0  | 21.2  | 16.4  | 13.0  | 10.3  | 8.9   | 6.8   | 5.5   | 4.8   | 4.8   | 4.8   |
| 55°   | 23.3  | 19.2  | 14.4  | 11.0  | 8.9   | 6.8   | 4.8   | 3.4   | 2.7   | 2.7   | 2.7   |
| 57.5° | 21.9  | 17.1  | 12.3  | 9.6   | 6.8   | 4.8   | 2.7   | 2.1   | 2.1   | 1.4   | 2.1   |
| 60°   | 19.8  | 15.1  | 10.3  | 7.5   | 5.5   | 3.4   | 2.1   | 0.7   | 0.7   | 0.7   | 0.7   |
| 62.5° | 17.1  | 13.0  | 8.9   | 6.2   | 4.1   | 2.1   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 14.4  | 10.3  | 6.8   | 4.8   | 2.7   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 12.3  | 8.9   | 5.5   | 3.4   | 2.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 11.0  | 7.5   | 4.1   | 2.7   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 8.9   | 6.2   | 3.4   | 1.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 7.5   | 4.8   | 2.1   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 6.2   | 3.4   | 1.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 4.8   | 2.7   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 4.1   | 2.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 2.7   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 2.1   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 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: P677294

CATALOG NUMBER: CCW-SA-1B-750-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°  | 295°  | 305°  | 315°  | 325°  | 335°  | 345°  | 355°   | 358°   | 360°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7 | 963.7  | 963.7  | 963.7  |
| 2.5°  | 869.3 | 865.1 | 885.7 | 919.2 | 936.3 | 969.9 | 978.1 | 999.3  | 993.8  | 1001.4 |
| 5°    | 719.4 | 727.6 | 757.7 | 807.0 | 824.8 | 873.4 | 919.2 | 965.1  | 994.5  | 1008.9 |
| 7.5°  | 533.9 | 561.3 | 598.2 | 643.4 | 689.2 | 752.9 | 830.9 | 884.3  | 913.1  | 943.9  |
| 10°   | 397.7 | 427.1 | 469.5 | 514.0 | 588.6 | 659.8 | 737.8 | 804.2  | 828.9  | 857.6  |
| 12.5° | 312.8 | 358.7 | 407.9 | 455.8 | 500.3 | 568.1 | 664.6 | 761.1  | 787.8  | 809.7  |
| 15°   | 217.7 | 273.8 | 344.3 | 406.6 | 468.9 | 527.7 | 627.6 | 744.7  | 781.0  | 817.9  |
| 17.5° | 120.5 | 165.0 | 245.7 | 333.3 | 425.0 | 515.4 | 640.0 | 774.8  | 829.6  | 855.6  |
| 20°   | 69.8  | 87.6  | 145.1 | 249.1 | 370.3 | 488.7 | 646.1 | 831.6  | 904.2  | 917.2  |
| 22.5° | 57.5  | 63.7  | 82.1  | 156.1 | 303.2 | 471.6 | 677.6 | 911.0  | 984.9  | 1015.7 |
| 25°   | 49.3  | 54.1  | 63.7  | 93.8  | 229.3 | 435.3 | 697.5 | 1010.3 | 1078.7 | 1112.2 |
| 27.5° | 43.8  | 48.6  | 56.1  | 69.1  | 156.1 | 385.3 | 730.3 | 1099.9 | 1168.4 | 1214.2 |
| 30°   | 38.3  | 42.4  | 50.0  | 58.9  | 108.1 | 329.2 | 758.4 | 1165.6 | 1262.1 | 1276.5 |
| 32.5° | 34.2  | 37.6  | 43.1  | 50.6  | 80.1  | 249.8 | 781.0 | 1233.4 | 1314.8 | 1346.3 |
| 35°   | 29.4  | 33.5  | 37.0  | 43.1  | 60.9  | 188.2 | 767.3 | 1286.1 | 1392.2 | 1429.8 |
| 37.5° | 26.0  | 28.7  | 32.2  | 36.3  | 51.3  | 147.2 | 739.2 | 1349.1 | 1458.6 | 1493.5 |
| 40°   | 21.9  | 24.0  | 28.1  | 32.2  | 46.5  | 113.6 | 707.0 | 1425.0 | 1551.7 | 1613.3 |
| 42.5° | 18.5  | 20.5  | 23.3  | 30.1  | 38.3  | 84.2  | 642.0 | 1483.9 | 1626.9 | 1679.0 |
| 45°   | 14.4  | 17.1  | 21.2  | 30.1  | 30.8  | 62.3  | 574.9 | 1527.7 | 1669.4 | 1695.4 |
| 47.5° | 11.0  | 13.7  | 20.5  | 26.0  | 24.6  | 43.1  | 495.5 | 1577.7 | 1713.2 | 1737.1 |
| 50°   | 8.2   | 11.0  | 23.3  | 22.6  | 20.5  | 32.9  | 445.6 | 1612.6 | 1715.9 | 1728.9 |
| 52.5° | 5.5   | 8.2   | 19.2  | 17.1  | 17.1  | 28.7  | 431.9 | 1611.2 | 1722.8 | 1694.7 |
| 55°   | 4.1   | 6.2   | 11.0  | 12.3  | 15.1  | 25.3  | 419.6 | 1662.5 | 1724.8 | 1744.7 |
| 57.5° | 2.7   | 4.8   | 7.5   | 9.6   | 13.0  | 21.9  | 394.2 | 1724.1 | 1788.5 | 1798.7 |
| 60°   | 1.4   | 3.4   | 5.5   | 7.5   | 11.0  | 19.2  | 358.7 | 1769.3 | 1865.8 | 1876.8 |
| 62.5° | 0.7   | 2.1   | 4.1   | 6.2   | 8.9   | 15.1  | 321.7 | 1697.4 | 1832.3 | 1851.4 |
| 65°   | 0.0   | 1.4   | 2.7   | 4.1   | 5.5   | 11.0  | 261.5 | 1532.5 | 1699.5 | 1770.0 |
| 67.5° | 0.0   | 0.0   | 1.4   | 2.7   | 3.4   | 8.2   | 197.1 | 1394.2 | 1577.0 | 1672.8 |
| 70°   | 0.0   | 0.0   | 0.7   | 0.7   | 2.1   | 6.2   | 125.9 | 1154.7 | 1407.9 | 1460.6 |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.7   | 4.1   | 73.2  | 857.6  | 1103.3 | 1201.2 |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 3.4   | 37.0  | 551.7  | 768.0  | 899.4  |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 2.7   | 19.8  | 355.9  | 566.0  | 676.2  |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.7   | 11.6  | 206.7  | 362.1  | 438.7  |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 4.8   | 101.3  | 216.3  | 253.2  |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.4   | 54.1   | 108.1  | 142.4  |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 2.1    | 7.5    | 14.4   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)