

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: P675040

Luminaire Tested: **CCW-SA-2B-835-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675040
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-835-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T3 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

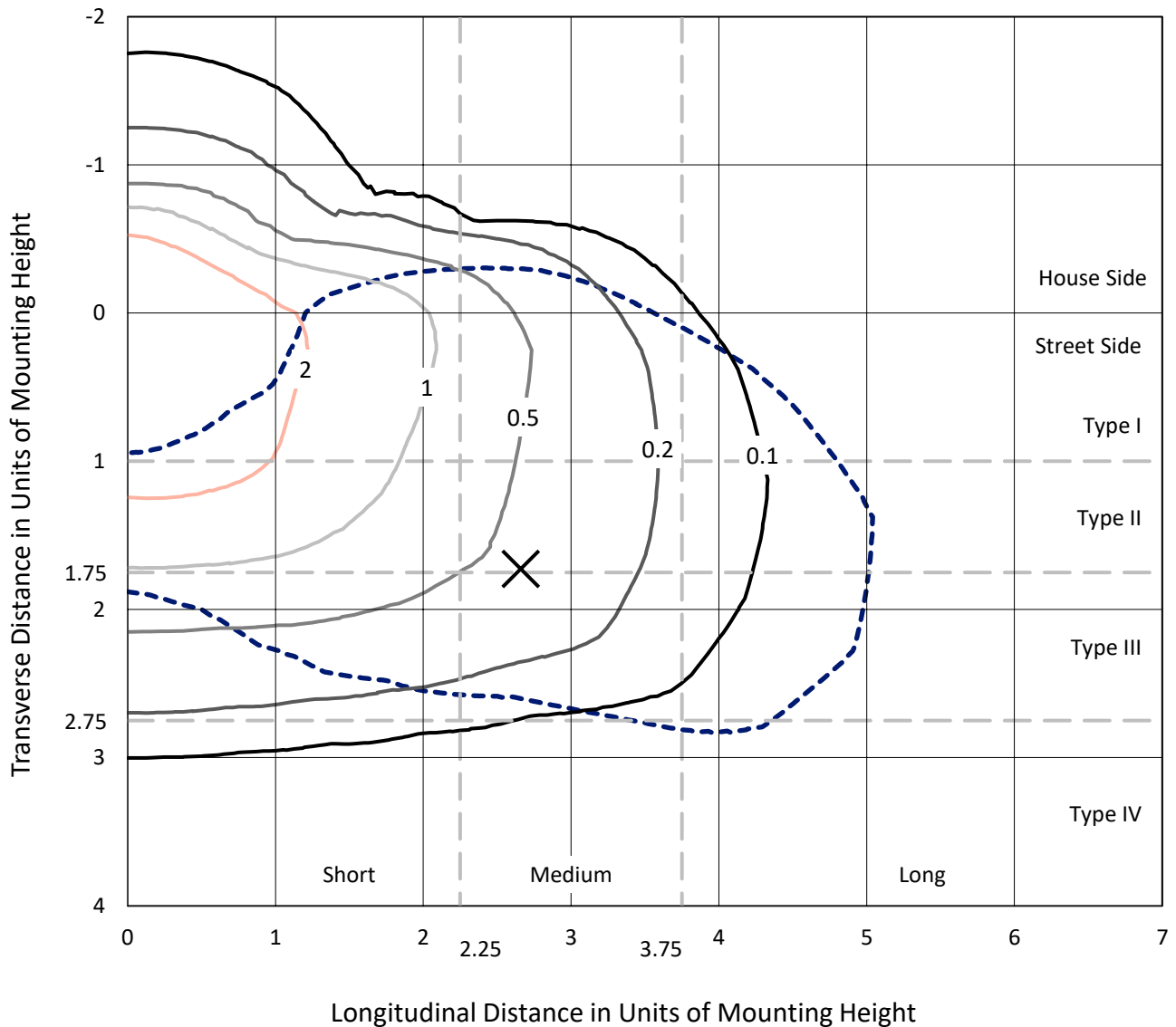
Lumens per Lamp: N/A
Luminaire Lumens: 5749.8 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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: P675040
 CATALOG NUMBER: CCW-SA-2B-835-U-T3

Iso-Footcandle Lines of Horizontal Illumination

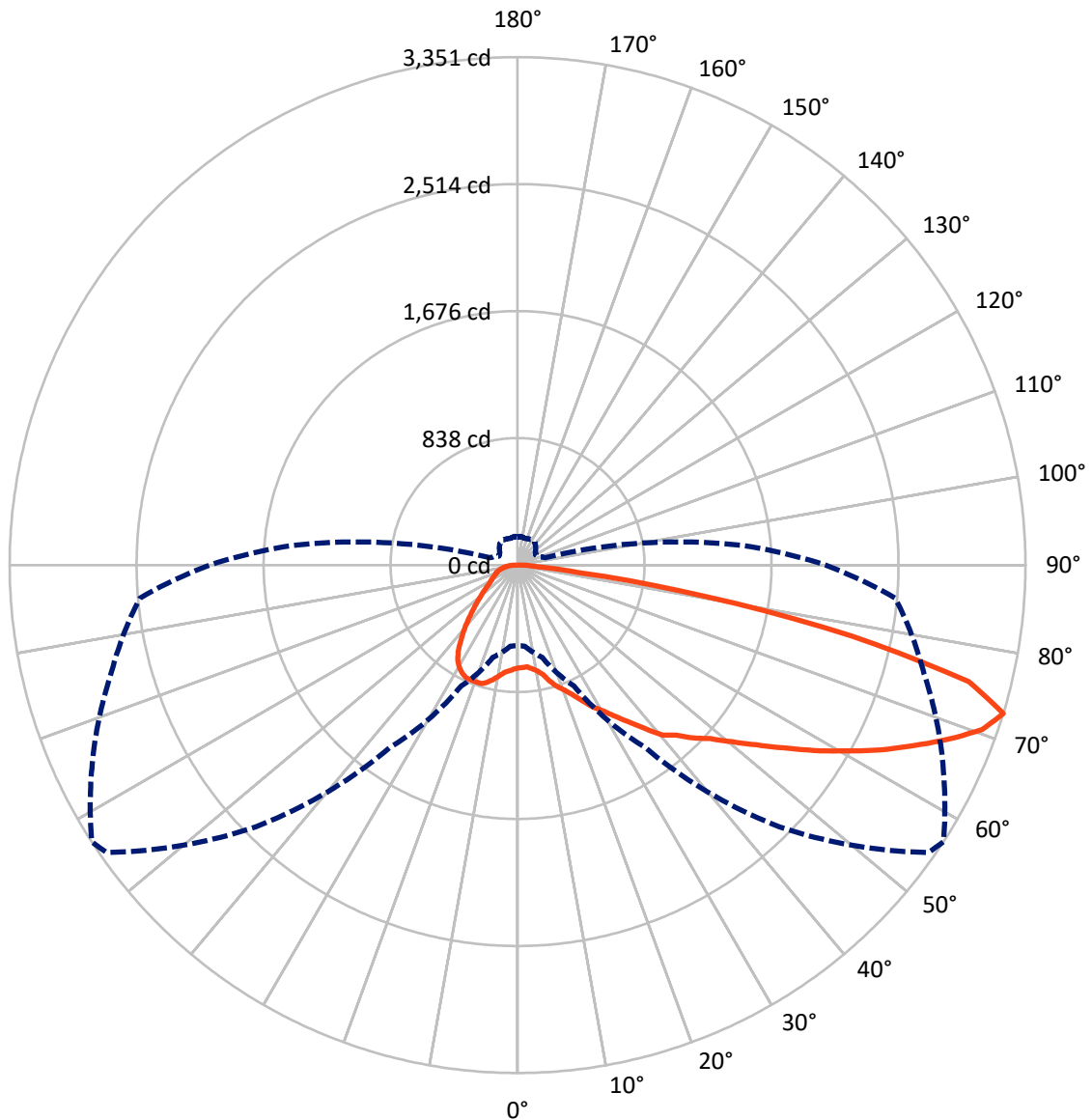
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P675040
CATALOG NUMBER: CCW-SA-2B-835-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P675040

CATALOG NUMBER: CCW-SA-2B-835-U-T3

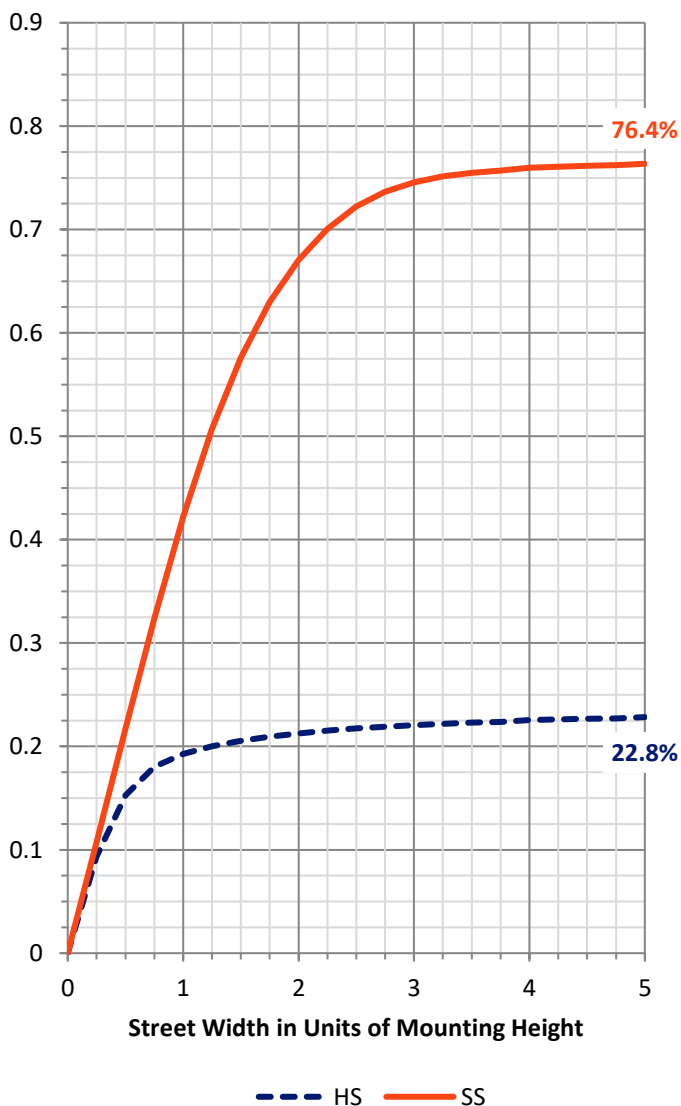
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1342.8 | 0.0 | 1342.8 |
| | % Fixture | 23.4 | 0.0 | 23.4 |
| Street Side | Lumens | 4407.0 | 0.0 | 4407.0 |
| | % Fixture | 76.6 | 0.0 | 76.6 |
| Total | Lumens | 5749.8 | 0.0 | 5749.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 67.4 | 1.2 |
| 10°-20° | 227.0 | 3.9 |
| 20°-30° | 415.0 | 7.2 |
| 30°-40° | 608.9 | 10.6 |
| 40°-50° | 838.4 | 14.6 |
| 50°-60° | 1149.7 | 20.0 |
| 60°-70° | 1385.8 | 24.1 |
| 70°-80° | 923.2 | 16.1 |
| 80°-90° | 134.5 | 2.3 |
| 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° | 5749.8 | 100.0 |
| 0°-180° | 5749.8 | 100.0 |



REPORT NUMBER: P675040

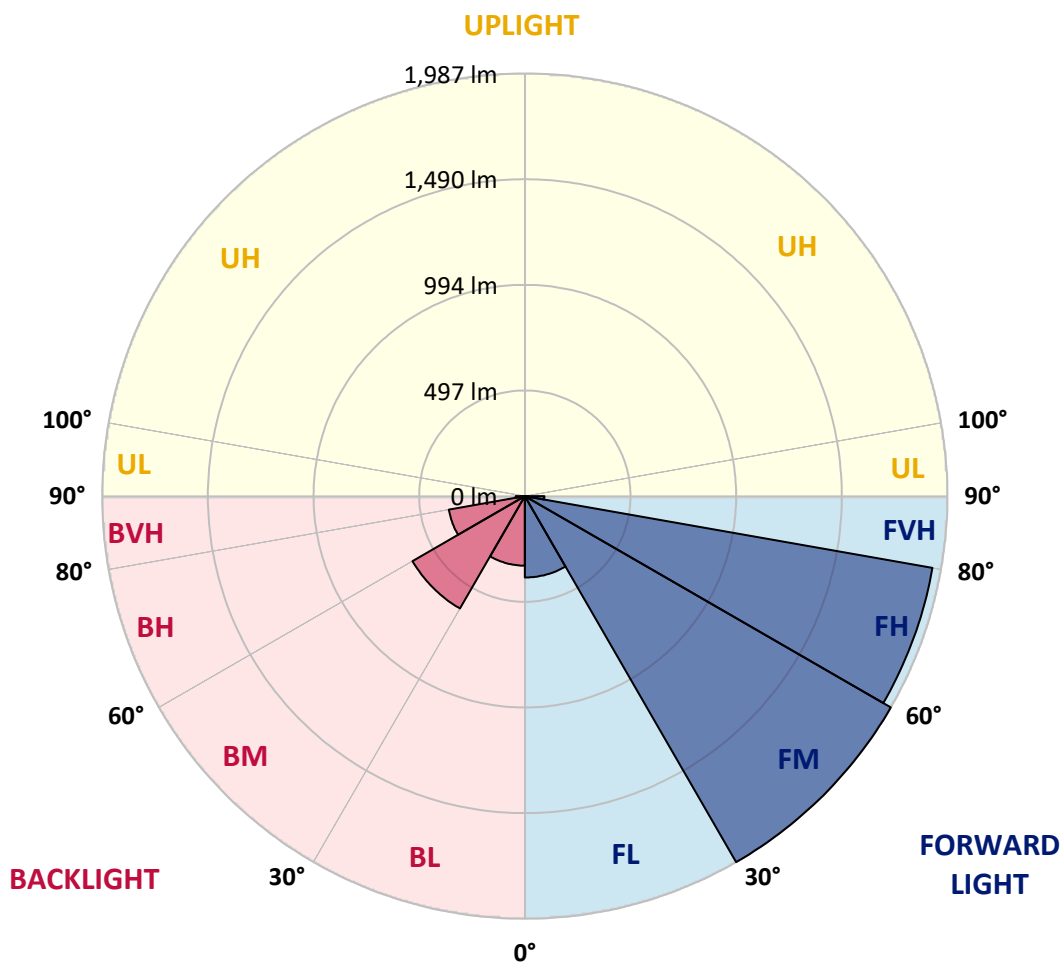
CATALOG NUMBER: CCW-SA-2B-835-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 382.5 | 6.7 | | | |
| FM (30°-60°) | 1987.0 | 34.6 | | | |
| FH (60°-80°) | 1945.9 | 33.8 | | | G2/5000 |
| FVH (80°-90°) | 91.6 | 1.6 | | | G1/100 |
| BL (0°-30°) | 326.9 | 5.7 | B1/500 | | |
| BM (30°-60°) | 609.9 | 10.6 | B1/1000 | | |
| BH (60°-80°) | 363.1 | 6.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 42.9 | 0.7 | | | 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 III Medium





REPORT NUMBER: P675040

CATALOG NUMBER: CCW-SA-2B-835-U-T3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 |
| 2.5° | 666.1 | 668.2 | 672.4 | 670.3 | 670.3 | 664.0 | 674.5 | 676.6 | 672.4 | 674.5 | 678.7 |
| 5° | 666.1 | 670.3 | 676.6 | 672.4 | 674.5 | 672.4 | 668.2 | 674.5 | 674.5 | 676.6 | 682.8 |
| 7.5° | 701.7 | 699.6 | 699.6 | 693.3 | 691.2 | 689.1 | 691.2 | 691.2 | 687.0 | 689.1 | 689.1 |
| 10° | 741.5 | 741.5 | 737.3 | 737.3 | 733.1 | 722.6 | 712.2 | 710.1 | 703.8 | 705.9 | 705.9 |
| 12.5° | 783.4 | 787.6 | 791.8 | 779.2 | 775.0 | 758.3 | 752.0 | 739.4 | 739.4 | 735.2 | 733.1 |
| 15° | 835.8 | 829.5 | 833.7 | 829.5 | 819.0 | 802.2 | 791.8 | 793.9 | 779.2 | 775.0 | 768.7 |
| 17.5° | 881.8 | 883.9 | 877.7 | 873.5 | 854.6 | 842.0 | 844.1 | 842.0 | 823.2 | 816.9 | 806.4 |
| 20° | 936.3 | 934.2 | 934.2 | 921.6 | 904.9 | 888.1 | 881.8 | 879.7 | 883.9 | 871.4 | 846.2 |
| 22.5° | 992.9 | 984.5 | 984.5 | 974.0 | 951.0 | 940.5 | 936.3 | 927.9 | 932.1 | 921.6 | 883.9 |
| 25° | 1038.9 | 1038.9 | 1053.6 | 1032.7 | 1020.1 | 999.1 | 990.8 | 992.9 | 994.9 | 974.0 | 930.0 |
| 27.5° | 1099.7 | 1089.2 | 1103.9 | 1093.4 | 1087.1 | 1064.1 | 1053.6 | 1059.9 | 1055.7 | 1032.7 | 971.9 |
| 30° | 1177.2 | 1179.3 | 1170.9 | 1156.2 | 1147.9 | 1131.1 | 1124.8 | 1118.5 | 1124.8 | 1095.5 | 1018.0 |
| 32.5° | 1273.5 | 1279.8 | 1258.9 | 1242.1 | 1227.5 | 1210.7 | 1198.1 | 1191.8 | 1198.1 | 1154.1 | 1053.6 |
| 35° | 1384.6 | 1390.8 | 1374.1 | 1355.2 | 1338.5 | 1296.6 | 1286.1 | 1275.6 | 1252.6 | 1181.4 | 1087.1 |
| 37.5° | 1487.2 | 1478.8 | 1474.6 | 1474.6 | 1443.2 | 1382.5 | 1376.2 | 1369.9 | 1325.9 | 1235.8 | 1133.2 |
| 40° | 1556.3 | 1566.8 | 1562.6 | 1558.4 | 1554.2 | 1497.7 | 1485.1 | 1474.6 | 1401.3 | 1317.5 | 1198.1 |
| 42.5° | 1633.8 | 1627.5 | 1644.3 | 1650.6 | 1635.9 | 1619.2 | 1568.9 | 1533.3 | 1468.3 | 1401.3 | 1294.5 |
| 45° | 1726.0 | 1721.8 | 1728.1 | 1751.1 | 1730.2 | 1736.4 | 1652.7 | 1627.5 | 1545.8 | 1506.0 | 1416.0 |
| 47.5° | 1807.7 | 1818.1 | 1849.6 | 1855.8 | 1839.1 | 1868.4 | 1751.1 | 1711.3 | 1658.9 | 1627.5 | 1541.6 |
| 50° | 1843.3 | 1855.8 | 1927.1 | 1971.0 | 1973.1 | 2019.2 | 1849.6 | 1832.8 | 1761.6 | 1774.2 | 1698.7 |
| 52.5° | 1814.0 | 1853.7 | 1939.6 | 2054.8 | 2126.1 | 2172.1 | 1979.4 | 1971.0 | 1906.1 | 1945.9 | 1870.5 |
| 55° | 1841.2 | 1878.9 | 1935.4 | 2096.7 | 2276.9 | 2287.3 | 2159.6 | 2128.1 | 2063.2 | 2117.7 | 2048.5 |
| 57.5° | 1853.7 | 1832.8 | 1939.6 | 2142.8 | 2387.9 | 2415.1 | 2331.3 | 2308.3 | 2258.0 | 2310.4 | 2270.6 |
| 60° | 1755.3 | 1780.4 | 1881.0 | 2130.2 | 2394.2 | 2551.3 | 2524.0 | 2490.5 | 2444.4 | 2492.6 | 2469.6 |
| 62.5° | 1644.3 | 1661.0 | 1770.0 | 2054.8 | 2429.8 | 2649.7 | 2710.5 | 2685.3 | 2620.4 | 2662.3 | 2702.1 |
| 65° | 1503.9 | 1506.0 | 1627.5 | 1920.8 | 2360.6 | 2706.3 | 2873.8 | 2871.7 | 2825.7 | 2815.2 | 2878.0 |
| 67.5° | 1332.2 | 1348.9 | 1445.3 | 1778.3 | 2266.4 | 2769.1 | 3035.1 | 3066.5 | 2974.4 | 2892.7 | 2915.7 |
| 70° | 1022.2 | 1038.9 | 1131.1 | 1457.9 | 2073.7 | 2750.3 | 3234.1 | 3250.9 | 3070.7 | 2863.4 | 2804.7 |
| 72.5° | 532.0 | 536.2 | 630.5 | 879.7 | 1470.4 | 2442.3 | 3307.4 | 3351.4 | 3095.9 | 2777.5 | 2501.0 |
| 75° | 175.9 | 175.9 | 215.7 | 335.1 | 693.3 | 1562.6 | 2995.3 | 3074.9 | 2972.3 | 2563.8 | 2046.5 |
| 77.5° | 104.7 | 106.8 | 127.8 | 167.6 | 276.5 | 624.2 | 2111.4 | 2251.7 | 2431.9 | 2180.5 | 1495.6 |
| 80° | 75.4 | 77.5 | 96.4 | 115.2 | 165.5 | 201.1 | 1059.9 | 1254.7 | 1493.5 | 1403.4 | 798.1 |
| 82.5° | 56.6 | 56.6 | 75.4 | 85.9 | 113.1 | 119.4 | 295.3 | 404.3 | 645.1 | 502.7 | 219.9 |
| 85° | 58.6 | 58.6 | 58.6 | 60.7 | 77.5 | 69.1 | 123.6 | 132.0 | 188.5 | 165.5 | 60.7 |
| 87.5° | 20.9 | 23.0 | 58.6 | 39.8 | 39.8 | 29.3 | 48.2 | 52.4 | 67.0 | 69.1 | 23.0 |
| 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: P675040
 CATALOG NUMBER: CCW-SA-2B-835-U-T3

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 | 678.7 |
| 2.5° | 680.8 | 680.8 | 682.8 | 682.8 | 687.0 | 691.2 | 697.5 | 693.3 | 693.3 | 695.4 | 693.3 |
| 5° | 678.7 | 680.8 | 687.0 | 697.5 | 701.7 | 703.8 | 716.4 | 716.4 | 716.4 | 720.6 | 720.6 |
| 7.5° | 687.0 | 691.2 | 701.7 | 712.2 | 714.3 | 720.6 | 737.3 | 741.5 | 752.0 | 756.2 | 758.3 |
| 10° | 708.0 | 714.3 | 722.6 | 735.2 | 743.6 | 752.0 | 764.5 | 779.2 | 777.1 | 789.7 | 791.8 |
| 12.5° | 739.4 | 737.3 | 752.0 | 764.5 | 772.9 | 785.5 | 789.7 | 789.7 | 789.7 | 789.7 | 793.9 |
| 15° | 764.5 | 768.7 | 781.3 | 789.7 | 800.1 | 798.1 | 789.7 | 781.3 | 783.4 | 781.3 | 781.3 |
| 17.5° | 802.2 | 802.2 | 812.7 | 814.8 | 819.0 | 798.1 | 785.5 | 785.5 | 791.8 | 791.8 | 787.6 |
| 20° | 839.9 | 837.9 | 842.0 | 839.9 | 812.7 | 787.6 | 785.5 | 787.6 | 789.7 | 787.6 | 785.5 |
| 22.5° | 875.6 | 871.4 | 865.1 | 856.7 | 808.5 | 785.5 | 781.3 | 770.8 | 760.4 | 760.4 | 754.1 |
| 25° | 907.0 | 902.8 | 886.0 | 860.9 | 806.4 | 772.9 | 752.0 | 726.8 | 714.3 | 708.0 | 716.4 |
| 27.5° | 936.3 | 927.9 | 904.9 | 860.9 | 787.6 | 739.4 | 699.6 | 668.2 | 657.7 | 649.3 | 657.7 |
| 30° | 976.1 | 961.4 | 930.0 | 854.6 | 758.3 | 687.0 | 632.6 | 594.9 | 584.4 | 571.8 | 576.0 |
| 32.5° | 1011.7 | 978.2 | 951.0 | 835.8 | 720.6 | 628.4 | 565.6 | 527.8 | 509.0 | 498.5 | 506.9 |
| 35° | 1049.4 | 1015.9 | 959.3 | 806.4 | 661.9 | 557.2 | 494.3 | 458.7 | 444.1 | 429.4 | 429.4 |
| 37.5° | 1087.1 | 1068.3 | 971.9 | 752.0 | 590.7 | 490.1 | 433.6 | 406.4 | 381.2 | 354.0 | 354.0 |
| 40° | 1166.7 | 1141.6 | 986.6 | 689.1 | 519.5 | 425.2 | 385.4 | 349.8 | 324.7 | 287.0 | 284.9 |
| 42.5° | 1250.5 | 1196.0 | 986.6 | 613.7 | 456.6 | 379.1 | 341.4 | 303.7 | 257.6 | 234.6 | 236.7 |
| 45° | 1357.3 | 1294.5 | 959.3 | 546.7 | 393.8 | 341.4 | 299.5 | 251.4 | 230.4 | 215.7 | 215.7 |
| 47.5° | 1491.4 | 1392.9 | 925.8 | 473.4 | 343.5 | 307.9 | 255.5 | 226.2 | 211.6 | 199.0 | 196.9 |
| 50° | 1650.6 | 1483.0 | 883.9 | 410.5 | 301.6 | 276.5 | 232.5 | 209.5 | 196.9 | 188.5 | 188.5 |
| 52.5° | 1818.1 | 1615.0 | 854.6 | 354.0 | 268.1 | 234.6 | 215.7 | 201.1 | 190.6 | 184.3 | 182.2 |
| 55° | 1987.8 | 1746.9 | 833.7 | 293.2 | 236.7 | 215.7 | 211.6 | 199.0 | 194.8 | 188.5 | 184.3 |
| 57.5° | 2178.4 | 1855.8 | 829.5 | 251.4 | 211.6 | 207.4 | 215.7 | 205.3 | 199.0 | 192.7 | 186.4 |
| 60° | 2383.7 | 2002.5 | 791.8 | 217.8 | 199.0 | 203.2 | 209.5 | 199.0 | 194.8 | 188.5 | 184.3 |
| 62.5° | 2586.9 | 2111.4 | 689.1 | 192.7 | 186.4 | 190.6 | 199.0 | 190.6 | 184.3 | 186.4 | 188.5 |
| 65° | 2670.7 | 2119.8 | 534.1 | 173.9 | 171.8 | 173.9 | 186.4 | 184.3 | 178.0 | 190.6 | 190.6 |
| 67.5° | 2586.9 | 2044.4 | 377.0 | 157.1 | 157.1 | 167.6 | 188.5 | 192.7 | 186.4 | 203.2 | 201.1 |
| 70° | 2396.3 | 1857.9 | 255.5 | 146.6 | 150.8 | 178.0 | 194.8 | 190.6 | 182.2 | 203.2 | 199.0 |
| 72.5° | 2033.9 | 1487.2 | 186.4 | 136.2 | 142.4 | 169.7 | 192.7 | 188.5 | 182.2 | 190.6 | 182.2 |
| 75° | 1527.0 | 1057.8 | 146.6 | 123.6 | 125.7 | 152.9 | 199.0 | 188.5 | 171.8 | 167.6 | 161.3 |
| 77.5° | 1020.1 | 653.5 | 113.1 | 108.9 | 108.9 | 134.1 | 190.6 | 175.9 | 155.0 | 148.7 | 146.6 |
| 80° | 486.0 | 261.8 | 90.1 | 92.2 | 94.3 | 115.2 | 173.9 | 157.1 | 140.3 | 132.0 | 132.0 |
| 82.5° | 155.0 | 98.4 | 75.4 | 75.4 | 75.4 | 94.3 | 144.5 | 132.0 | 121.5 | 115.2 | 104.7 |
| 85° | 54.5 | 54.5 | 64.9 | 67.0 | 60.7 | 69.1 | 119.4 | 113.1 | 100.5 | 83.8 | 81.7 |
| 87.5° | 20.9 | 31.4 | 44.0 | 52.4 | 37.7 | 48.2 | 85.9 | 79.6 | 73.3 | 54.5 | 52.4 |
| 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)