

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: P676216

Luminaire Tested: **CCW-SA-2D-850-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676216
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-850-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T1 distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

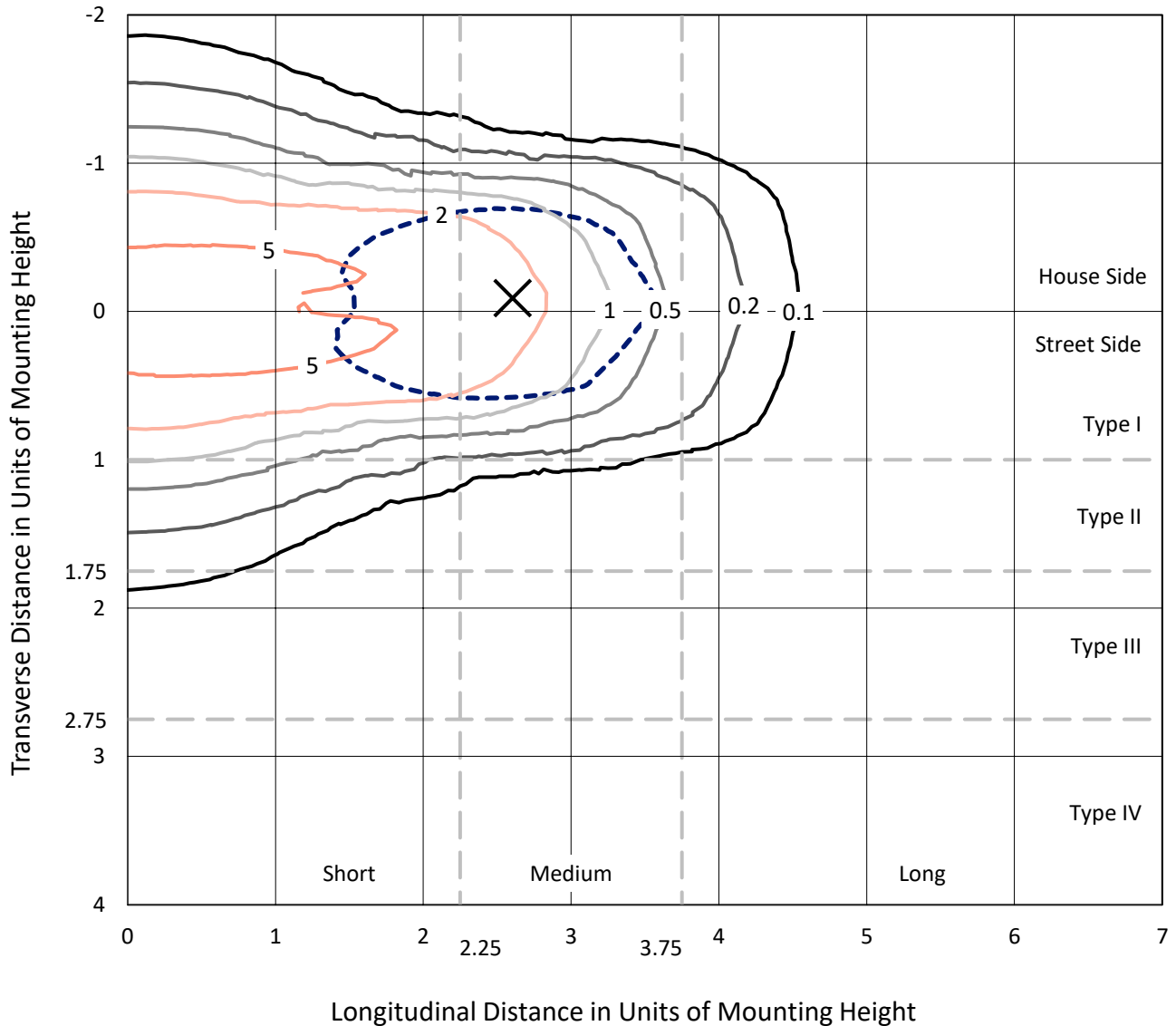
Lumens per Lamp: N/A
Luminaire Lumens: 9476.7 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 80.8
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

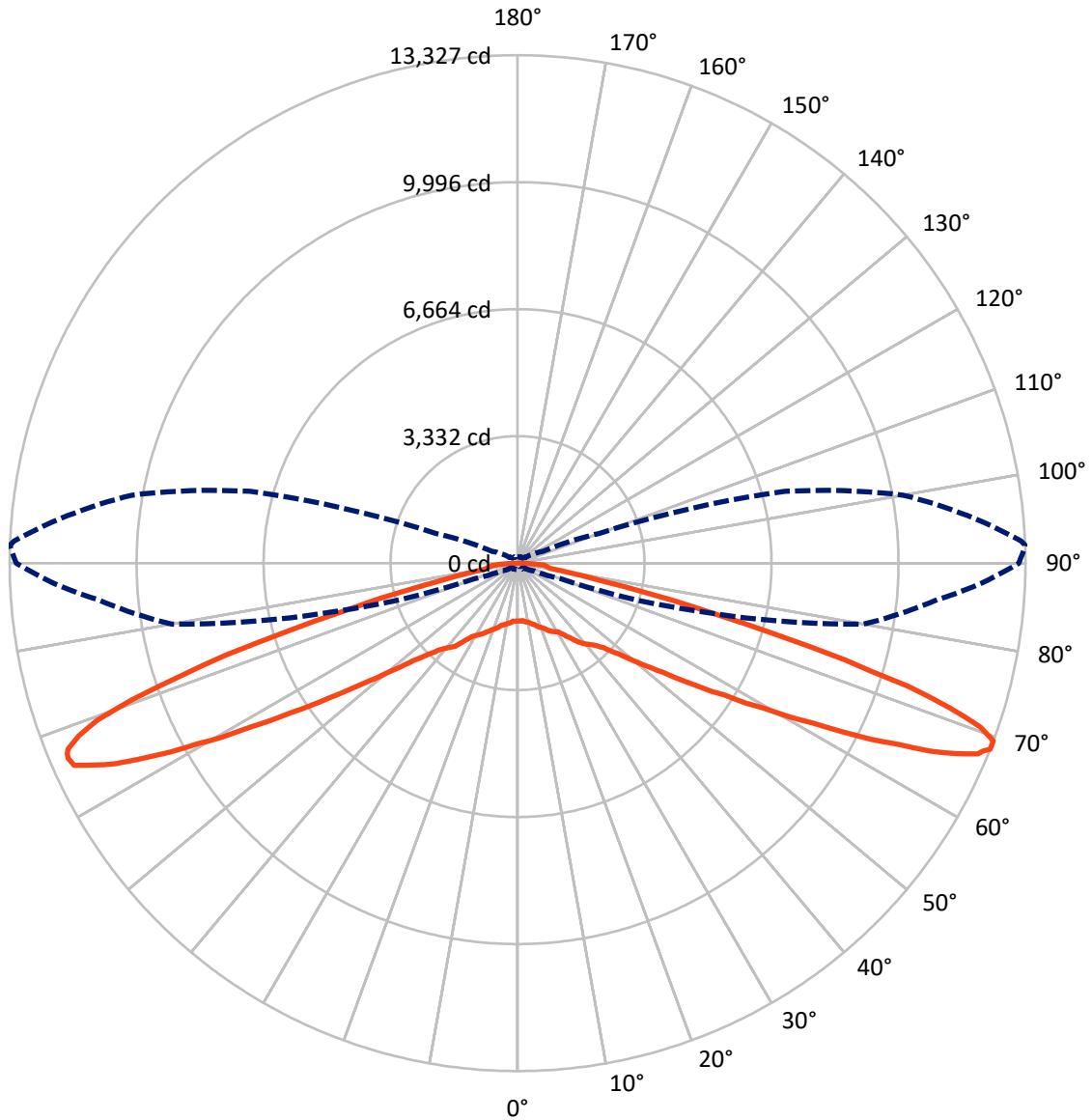
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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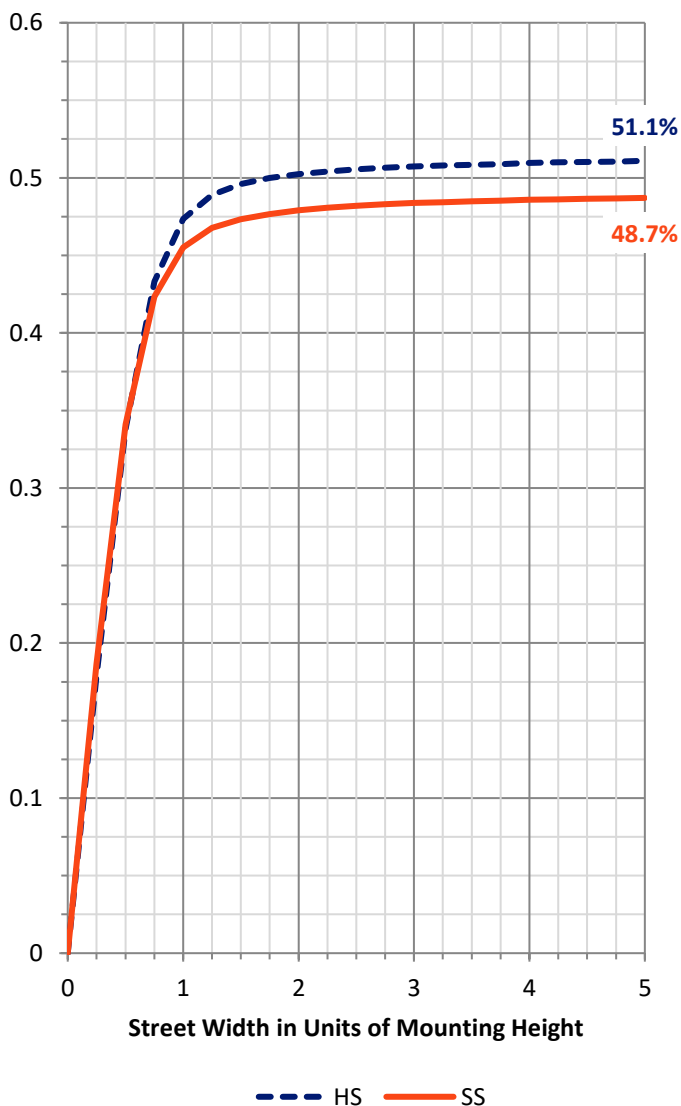
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4880.4 | 0.0 | 4880.4 |
| | % Fixture | 51.5 | 0.0 | 51.5 |
| Street Side | Lumens | 4596.4 | 0.0 | 4596.4 |
| | % Fixture | 48.5 | 0.0 | 48.5 |
| Total | Lumens | 9476.7 | 0.0 | 9476.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 151.8 | 1.6 |
| 10°-20° | 491.6 | 5.2 |
| 20°-30° | 839.0 | 8.9 |
| 30°-40° | 1171.4 | 12.4 |
| 40°-50° | 1490.1 | 15.7 |
| 50°-60° | 1884.1 | 19.9 |
| 60°-70° | 2323.6 | 24.5 |
| 70°-80° | 1015.0 | 10.7 |
| 80°-90° | 110.1 | 1.2 |
| 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° | 9476.7 | 100.0 |
| 0°-180° | 9476.7 | 100.0 |



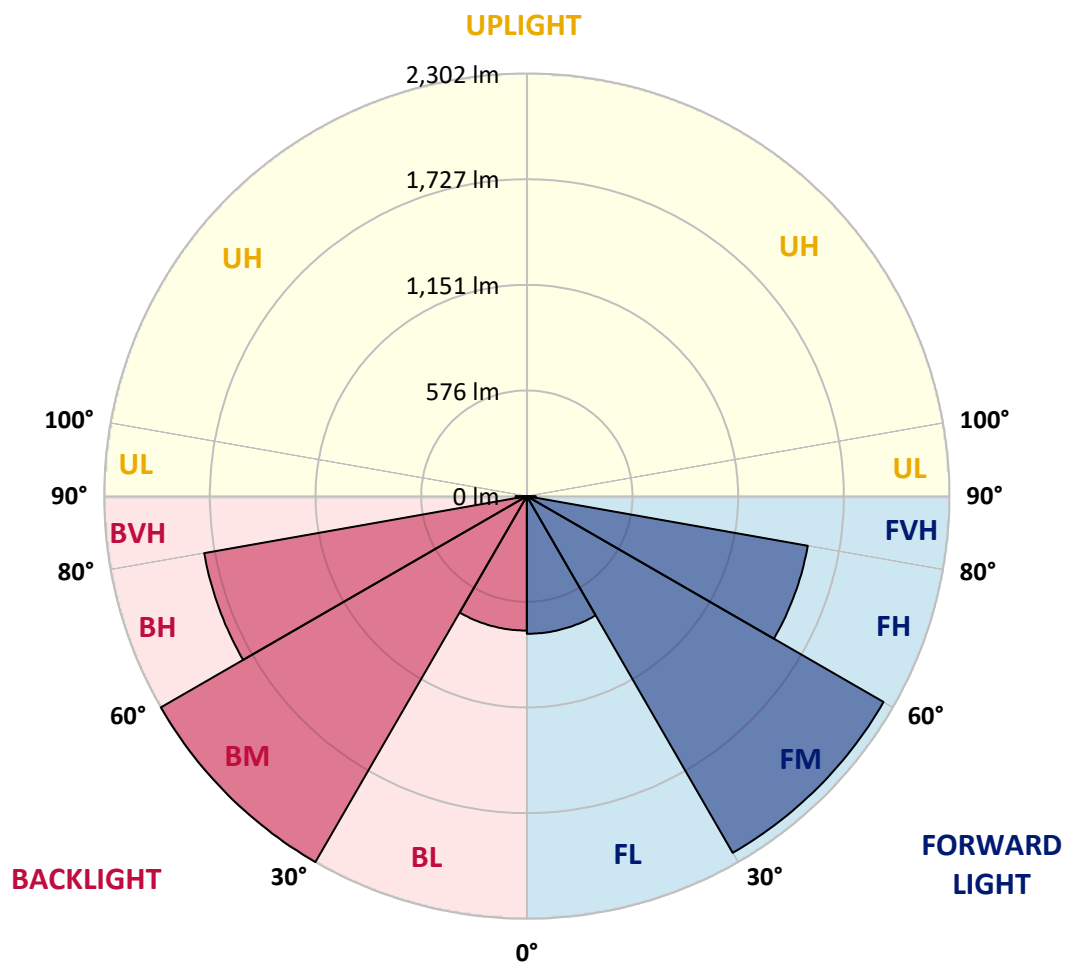
REPORT NUMBER: P676216
 CATALOG NUMBER: CCW-SA-2D-850-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 750.0 | 7.9 | | | |
| FM (30°-60°) | 2243.6 | 23.7 | | | |
| FH (60°-80°) | 1554.0 | 16.4 | | | G1/1800 |
| FVH (80°-90°) | 48.8 | 0.5 | | | G1/100 |
| BL (0°-30°) | 732.4 | 7.7 | B2/1000 | | |
| BM (30°-60°) | 2302.1 | 24.3 | B2/2500 | | |
| BH (60°-80°) | 1784.6 | 18.8 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 61.3 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type I Short





REPORT NUMBER: P676216

CATALOG NUMBER: CCW-SA-2D-850-U-T1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 0° | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 |
| 2.5° | 1547.4 | 1545.6 | 1551.0 | 1554.5 | 1538.5 | 1543.9 | 1540.3 | 1536.8 | 1524.3 | 1519.0 | 1508.3 |
| 5° | 1590.1 | 1595.4 | 1613.2 | 1597.2 | 1604.3 | 1595.4 | 1567.0 | 1575.9 | 1559.9 | 1556.3 | 1545.6 |
| 7.5° | 1664.8 | 1654.1 | 1679.0 | 1661.3 | 1666.6 | 1648.8 | 1636.4 | 1620.3 | 1616.8 | 1591.9 | 1593.7 |
| 10° | 1680.8 | 1702.2 | 1712.8 | 1709.3 | 1712.8 | 1721.7 | 1698.6 | 1673.7 | 1639.9 | 1632.8 | 1607.9 |
| 12.5° | 1670.1 | 1689.7 | 1718.2 | 1741.3 | 1757.3 | 1760.9 | 1752.0 | 1746.6 | 1732.4 | 1691.5 | 1689.7 |
| 15° | 1659.5 | 1645.2 | 1663.0 | 1743.1 | 1796.4 | 1832.0 | 1844.5 | 1814.2 | 1817.8 | 1764.4 | 1743.1 |
| 17.5° | 1588.3 | 1567.0 | 1636.4 | 1714.6 | 1780.4 | 1858.7 | 1919.2 | 1910.3 | 1910.3 | 1867.6 | 1837.3 |
| 20° | 1494.1 | 1529.6 | 1565.2 | 1664.8 | 1785.8 | 1903.2 | 2018.8 | 2013.4 | 1992.1 | 1979.6 | 1913.8 |
| 22.5° | 1414.0 | 1430.0 | 1495.8 | 1600.8 | 1752.0 | 1915.6 | 2052.6 | 2150.4 | 2100.6 | 2050.8 | 2011.6 |
| 25° | 1358.9 | 1344.7 | 1428.3 | 1536.8 | 1720.0 | 1894.3 | 2116.6 | 2218.0 | 2244.7 | 2207.3 | 2132.6 |
| 27.5° | 1280.6 | 1280.6 | 1346.4 | 1449.6 | 1616.8 | 1883.6 | 2178.8 | 2333.6 | 2372.7 | 2317.6 | 2209.1 |
| 30° | 1191.7 | 1202.4 | 1259.3 | 1376.7 | 1540.3 | 1805.3 | 2203.7 | 2467.0 | 2499.0 | 2451.0 | 2338.9 |
| 32.5° | 1122.3 | 1122.3 | 1186.4 | 1310.9 | 1486.9 | 1769.8 | 2187.7 | 2598.6 | 2659.1 | 2623.5 | 2507.9 |
| 35° | 1047.6 | 1042.3 | 1088.5 | 1225.5 | 1401.6 | 1700.4 | 2182.4 | 2703.5 | 2838.7 | 2840.5 | 2719.6 |
| 37.5° | 940.9 | 962.2 | 1020.9 | 1129.4 | 1334.0 | 1632.8 | 2166.4 | 2829.8 | 3071.7 | 3112.6 | 3029.0 |
| 40° | 869.8 | 878.7 | 932.0 | 1051.2 | 1229.0 | 1552.8 | 2143.3 | 2933.0 | 3226.5 | 3367.0 | 3251.4 |
| 42.5° | 766.6 | 779.0 | 820.0 | 967.6 | 1127.7 | 1438.9 | 2041.9 | 3005.9 | 3447.0 | 3607.1 | 3509.3 |
| 45° | 658.1 | 665.2 | 725.7 | 846.6 | 1019.2 | 1303.7 | 1933.4 | 3123.3 | 3660.5 | 3987.7 | 3930.8 |
| 47.5° | 528.3 | 531.8 | 583.4 | 709.7 | 889.3 | 1168.6 | 1766.2 | 3118.0 | 3833.0 | 4368.4 | 4528.4 |
| 50° | 412.6 | 421.5 | 460.7 | 563.8 | 732.8 | 1003.2 | 1572.3 | 3075.3 | 4050.0 | 4802.3 | 5117.2 |
| 52.5° | 329.0 | 330.8 | 355.7 | 437.5 | 565.6 | 837.7 | 1364.2 | 2940.1 | 4254.5 | 5227.4 | 5839.3 |
| 55° | 272.1 | 272.1 | 286.4 | 336.2 | 434.0 | 636.8 | 1120.5 | 2716.0 | 4279.4 | 5697.0 | 6627.2 |
| 56° | 261.5 | 257.9 | 270.4 | 313.0 | 391.3 | 574.5 | 1006.7 | 2564.8 | 4315.0 | 5914.0 | 7022.1 |
| 57° | 247.2 | 249.0 | 256.1 | 286.4 | 352.2 | 508.7 | 880.4 | 2417.2 | 4290.1 | 6091.9 | 7313.8 |
| 58° | 240.1 | 236.6 | 250.8 | 270.4 | 311.3 | 451.8 | 793.3 | 2242.9 | 4251.0 | 6237.7 | 7738.9 |
| 59° | 229.4 | 227.7 | 236.6 | 254.3 | 289.9 | 402.0 | 686.6 | 2054.3 | 4174.5 | 6426.3 | 8055.5 |
| 60° | 225.9 | 224.1 | 227.7 | 241.9 | 266.8 | 352.2 | 604.7 | 1833.8 | 3969.9 | 6620.1 | 8448.6 |
| 61° | 215.2 | 217.0 | 224.1 | 233.0 | 252.6 | 316.6 | 544.3 | 1607.9 | 3836.5 | 6783.8 | 8882.6 |
| 62° | 217.0 | 213.4 | 217.0 | 224.1 | 238.3 | 291.7 | 476.7 | 1385.6 | 3598.2 | 6968.7 | 9208.1 |
| 63° | 206.3 | 204.5 | 209.9 | 218.8 | 225.9 | 263.2 | 416.2 | 1197.0 | 3327.8 | 7011.4 | 9483.7 |
| 64° | 202.8 | 201.0 | 202.8 | 215.2 | 217.0 | 247.2 | 368.2 | 1022.7 | 2936.5 | 7084.4 | 9837.7 |
| 65° | 193.9 | 193.9 | 197.4 | 202.8 | 209.9 | 233.0 | 329.0 | 887.5 | 2547.0 | 6892.3 | 9946.2 |
| 66° | 186.8 | 188.5 | 188.5 | 197.4 | 202.8 | 217.0 | 302.4 | 754.1 | 2173.5 | 6586.3 | 10051.1 |
| 67° | 181.4 | 181.4 | 183.2 | 190.3 | 195.7 | 204.5 | 272.1 | 652.8 | 1833.8 | 6221.7 | 9889.3 |
| 67.5° | 177.9 | 179.6 | 179.6 | 186.8 | 192.1 | 204.5 | 259.7 | 619.0 | 1639.9 | 5821.5 | 9768.3 |
| 68° | 172.5 | 174.3 | 174.3 | 181.4 | 186.8 | 197.4 | 250.8 | 565.6 | 1511.9 | 5561.8 | 9544.2 |
| 69° | 169.0 | 167.2 | 167.2 | 174.3 | 181.4 | 188.5 | 233.0 | 494.5 | 1202.4 | 4836.1 | 9216.9 |
| 70° | 158.3 | 158.3 | 161.9 | 167.2 | 172.5 | 179.6 | 215.2 | 435.8 | 1017.4 | 4003.7 | 8373.9 |
| 71° | 153.0 | 151.2 | 153.0 | 158.3 | 163.6 | 172.5 | 197.4 | 386.0 | 832.4 | 3324.3 | 7545.0 |
| 72° | 142.3 | 145.8 | 145.8 | 151.2 | 156.5 | 161.9 | 185.0 | 336.2 | 699.0 | 2657.3 | 6632.6 |
| 72.5° | 140.5 | 140.5 | 142.3 | 147.6 | 151.2 | 160.1 | 177.9 | 321.9 | 638.5 | 2342.5 | 6250.2 |
| 73° | 135.2 | 135.2 | 137.0 | 142.3 | 145.8 | 154.7 | 172.5 | 289.9 | 581.6 | 2084.6 | 5535.2 |
| 74° | 129.8 | 128.1 | 128.1 | 135.2 | 137.0 | 145.8 | 161.9 | 256.1 | 487.3 | 1570.5 | 4443.1 |
| 75° | 120.9 | 120.9 | 122.7 | 126.3 | 128.1 | 135.2 | 149.4 | 227.7 | 410.9 | 1218.4 | 3475.5 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 77.5° | 99.6 | 101.4 | 103.2 | 106.7 | 106.7 | 112.1 | 122.7 | 158.3 | 250.8 | 617.2 | 1595.4 |
| 80° | 72.9 | 76.5 | 81.8 | 87.2 | 85.4 | 85.4 | 96.0 | 113.8 | 149.4 | 277.5 | 611.9 |
| 82.5° | 58.7 | 62.3 | 56.9 | 64.0 | 64.0 | 60.5 | 69.4 | 83.6 | 101.4 | 137.0 | 218.8 |
| 85° | 39.1 | 40.9 | 33.8 | 39.1 | 37.4 | 37.4 | 46.2 | 49.8 | 62.3 | 76.5 | 108.5 |
| 87.5° | 17.8 | 17.8 | 14.2 | 16.0 | 16.0 | 16.0 | 23.1 | 17.8 | 26.7 | 37.4 | 64.0 |
| 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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CATALOG NUMBER: CCW-SA-2D-850-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0° | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 |
| 2.5° | 1519.0 | 1526.1 | 1526.1 | 1519.0 | 1513.6 | 1519.0 | 1515.4 | 1506.5 | 1515.4 | 1519.0 | 1520.7 |
| 5° | 1540.3 | 1526.1 | 1533.2 | 1517.2 | 1527.9 | 1526.1 | 1522.5 | 1531.4 | 1533.2 | 1533.2 | 1545.6 |
| 7.5° | 1563.4 | 1581.2 | 1558.1 | 1559.9 | 1565.2 | 1543.9 | 1551.0 | 1554.5 | 1547.4 | 1561.7 | 1572.3 |
| 10° | 1604.3 | 1611.5 | 1604.3 | 1577.7 | 1595.4 | 1581.2 | 1575.9 | 1591.9 | 1588.3 | 1591.9 | 1607.9 |
| 12.5° | 1641.7 | 1654.1 | 1634.6 | 1632.8 | 1623.9 | 1611.5 | 1618.6 | 1616.8 | 1641.7 | 1645.2 | 1664.8 |
| 15° | 1718.2 | 1686.2 | 1679.0 | 1677.3 | 1673.7 | 1668.4 | 1671.9 | 1673.7 | 1705.7 | 1711.1 | 1757.3 |
| 17.5° | 1784.0 | 1778.6 | 1739.5 | 1753.7 | 1753.7 | 1732.4 | 1723.5 | 1753.7 | 1778.6 | 1805.3 | 1837.3 |
| 20° | 1851.6 | 1846.2 | 1803.5 | 1805.3 | 1789.3 | 1808.9 | 1798.2 | 1826.7 | 1869.4 | 1878.3 | 1906.7 |
| 22.5° | 1931.6 | 1908.5 | 1878.3 | 1881.8 | 1887.1 | 1872.9 | 1865.8 | 1904.9 | 1947.6 | 1972.5 | 1974.3 |
| 25° | 2057.9 | 1999.2 | 1974.3 | 1977.9 | 1970.7 | 1960.1 | 1965.4 | 2015.2 | 2036.6 | 2089.9 | 2079.2 |
| 27.5° | 2125.5 | 2091.7 | 2073.9 | 2033.0 | 2034.8 | 2018.8 | 2040.1 | 2114.8 | 2157.5 | 2198.4 | 2116.6 |
| 30° | 2207.3 | 2186.0 | 2107.7 | 2093.5 | 2091.7 | 2084.6 | 2123.7 | 2219.8 | 2283.8 | 2306.9 | 2189.5 |
| 32.5° | 2367.4 | 2282.0 | 2262.4 | 2250.0 | 2221.5 | 2230.4 | 2250.0 | 2376.3 | 2477.7 | 2472.3 | 2257.1 |
| 35° | 2550.6 | 2491.9 | 2436.7 | 2426.1 | 2422.5 | 2397.6 | 2431.4 | 2579.0 | 2657.3 | 2634.2 | 2282.0 |
| 37.5° | 2844.1 | 2755.1 | 2680.4 | 2639.5 | 2632.4 | 2614.6 | 2694.7 | 2812.0 | 2913.4 | 2822.7 | 2301.6 |
| 40° | 2988.1 | 2888.5 | 2819.2 | 2794.3 | 2799.6 | 2824.5 | 2902.8 | 3082.4 | 3126.9 | 2959.7 | 2317.6 |
| 42.5° | 3194.5 | 3086.0 | 2949.0 | 2936.5 | 2920.5 | 2933.0 | 3084.2 | 3326.1 | 3363.4 | 3144.6 | 2257.1 |
| 45° | 3560.9 | 3397.2 | 3238.9 | 3167.8 | 3171.3 | 3205.1 | 3439.9 | 3704.9 | 3635.6 | 3272.7 | 2161.1 |
| 47.5° | 4023.3 | 3783.2 | 3655.1 | 3559.1 | 3605.3 | 3568.0 | 3941.5 | 4153.1 | 3916.6 | 3434.6 | 2043.7 |
| 50° | 4718.8 | 4382.6 | 4208.3 | 4092.7 | 4112.2 | 4144.2 | 4523.1 | 4702.7 | 4227.8 | 3512.8 | 1864.0 |
| 52.5° | 5595.6 | 5163.4 | 4907.3 | 4752.5 | 4766.8 | 4836.1 | 5325.3 | 5270.1 | 4583.6 | 3578.6 | 1623.9 |
| 55° | 6645.0 | 6200.4 | 5704.1 | 5640.1 | 5624.1 | 5789.5 | 6328.4 | 5864.2 | 4903.7 | 3473.7 | 1374.9 |
| 56° | 7200.0 | 6726.8 | 6211.0 | 6079.4 | 6040.3 | 6155.9 | 6789.1 | 6161.2 | 5014.0 | 3356.3 | 1255.7 |
| 57° | 7671.3 | 7219.5 | 6653.9 | 6429.8 | 6479.6 | 6696.6 | 7246.2 | 6440.5 | 5115.4 | 3235.4 | 1143.7 |
| 58° | 8318.7 | 7802.9 | 7205.3 | 7034.5 | 6990.1 | 7162.6 | 7738.9 | 6721.5 | 5149.2 | 3110.9 | 1040.5 |
| 59° | 8964.4 | 8345.4 | 7806.5 | 7495.2 | 7507.7 | 7822.5 | 8224.5 | 7055.9 | 5200.8 | 2952.6 | 908.9 |
| 60° | 9455.3 | 9144.0 | 8423.7 | 8190.7 | 8158.7 | 8614.0 | 8708.3 | 7280.0 | 5255.9 | 2739.1 | 816.4 |
| 61° | 10150.7 | 9745.2 | 9074.7 | 8774.1 | 8861.2 | 9225.8 | 9231.2 | 7561.0 | 5174.1 | 2468.8 | 702.6 |
| 62° | 10650.5 | 10543.8 | 9839.5 | 9553.1 | 9526.4 | 10010.2 | 9775.4 | 7808.3 | 5102.9 | 2212.6 | 620.7 |
| 63° | 11235.7 | 11235.7 | 10593.6 | 10369.5 | 10382.0 | 10764.4 | 10012.0 | 8055.5 | 5021.1 | 1929.8 | 546.0 |
| 64° | 11539.9 | 11922.3 | 11330.0 | 11015.2 | 11097.0 | 11427.8 | 10433.5 | 8217.4 | 4768.6 | 1643.5 | 480.2 |
| 65° | 11803.1 | 12377.6 | 12048.6 | 11902.7 | 11778.2 | 11973.9 | 10798.2 | 8368.5 | 4382.6 | 1398.0 | 426.9 |
| 66° | 12025.4 | 12806.3 | 12697.8 | 12541.2 | 12528.8 | 12484.3 | 10869.3 | 8363.2 | 3984.2 | 1181.0 | 373.5 |
| 67° | 11913.4 | 12815.2 | 13012.6 | 13078.4 | 13058.8 | 12589.3 | 10744.8 | 8172.9 | 3473.7 | 997.8 | 332.6 |
| 67.5° | 11812.0 | 12742.2 | 13201.1 | 13163.8 | 13245.6 | 12678.2 | 10766.2 | 7939.9 | 3110.9 | 903.6 | 313.0 |
| 68° | 11723.1 | 12644.4 | 13277.6 | 13325.6 | 13284.7 | 12688.9 | 10648.8 | 7754.9 | 2863.6 | 848.4 | 295.3 |
| 69° | 11049.0 | 12180.2 | 13154.9 | 13327.4 | 13222.5 | 12281.6 | 10275.2 | 7272.9 | 2274.9 | 723.9 | 272.1 |
| 70° | 10373.1 | 11579.0 | 12559.0 | 12875.6 | 12745.8 | 11493.6 | 9803.9 | 6506.3 | 1876.5 | 619.0 | 245.5 |
| 71° | 9437.5 | 10462.0 | 11765.8 | 11956.1 | 11799.5 | 10597.2 | 8829.2 | 5697.0 | 1460.3 | 524.7 | 218.8 |
| 72° | 8167.5 | 9037.3 | 10282.4 | 10743.0 | 10511.8 | 9307.7 | 7843.8 | 4708.1 | 1182.8 | 441.1 | 199.2 |
| 72.5° | 7537.9 | 8429.0 | 9629.6 | 9666.9 | 9711.4 | 8747.4 | 7425.9 | 4135.4 | 1031.6 | 409.1 | 193.9 |
| 73° | 6940.3 | 7813.6 | 8852.3 | 8983.9 | 8795.4 | 7802.9 | 6801.5 | 3697.8 | 942.7 | 373.5 | 186.8 |
| 74° | 5624.1 | 6122.1 | 6983.0 | 7111.0 | 6945.6 | 6362.2 | 5558.3 | 2835.2 | 750.6 | 321.9 | 170.8 |
| 75° | 4425.3 | 4699.2 | 5478.2 | 5400.0 | 5152.7 | 4948.2 | 4309.7 | 2166.4 | 608.3 | 282.8 | 158.3 |



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 CATALOG NUMBER: CCW-SA-2D-850-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 77.5° | 1988.5 | 2153.9 | 2283.8 | 2283.8 | 2298.0 | 2193.1 | 1986.7 | 994.3 | 375.3 | 204.5 | 129.8 |
| 80° | 757.7 | 848.4 | 876.9 | 878.7 | 891.1 | 923.1 | 859.1 | 489.1 | 222.3 | 145.8 | 104.9 |
| 82.5° | 549.6 | 768.4 | 827.1 | 784.4 | 787.9 | 711.5 | 329.0 | 217.0 | 140.5 | 101.4 | 76.5 |
| 85° | 498.0 | 668.8 | 707.9 | 702.6 | 704.3 | 658.1 | 193.9 | 106.7 | 81.8 | 64.0 | 53.4 |
| 87.5° | 241.9 | 236.6 | 250.8 | 282.8 | 275.7 | 357.5 | 163.6 | 53.4 | 35.6 | 26.7 | 26.7 |
| 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):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|
| 0° | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 | 1515.4 |
| 2.5° | 1506.5 | 1504.7 | 1529.6 | 1504.7 | 1519.0 | 1508.3 |
| 5° | 1524.3 | 1531.4 | 1536.8 | 1547.4 | 1522.5 | 1547.4 |
| 7.5° | 1577.7 | 1584.8 | 1586.6 | 1595.4 | 1584.8 | 1583.0 |
| 10° | 1618.6 | 1636.4 | 1647.0 | 1611.5 | 1632.8 | 1631.0 |
| 12.5° | 1698.6 | 1680.8 | 1679.0 | 1671.9 | 1652.4 | 1645.2 |
| 15° | 1755.5 | 1728.8 | 1712.8 | 1684.4 | 1661.3 | 1652.4 |
| 17.5° | 1835.6 | 1784.0 | 1718.2 | 1659.5 | 1618.6 | 1586.6 |
| 20° | 1885.4 | 1792.9 | 1661.3 | 1591.9 | 1529.6 | 1543.9 |
| 22.5° | 1917.4 | 1784.0 | 1609.7 | 1520.7 | 1458.5 | 1476.3 |
| 25° | 1928.1 | 1739.5 | 1574.1 | 1463.8 | 1403.4 | 1390.9 |
| 27.5° | 1897.8 | 1687.9 | 1504.7 | 1380.2 | 1326.9 | 1337.5 |
| 30° | 1883.6 | 1613.2 | 1440.7 | 1318.0 | 1246.8 | 1257.5 |
| 32.5° | 1846.2 | 1536.8 | 1355.3 | 1230.8 | 1179.2 | 1161.5 |
| 35° | 1792.9 | 1472.7 | 1273.5 | 1156.1 | 1093.9 | 1079.6 |
| 37.5° | 1727.1 | 1392.7 | 1202.4 | 1060.1 | 1004.9 | 994.3 |
| 40° | 1629.2 | 1296.6 | 1099.2 | 976.5 | 912.4 | 910.7 |
| 42.5° | 1543.9 | 1204.1 | 1003.2 | 876.9 | 812.8 | 816.4 |
| 45° | 1435.4 | 1079.6 | 892.9 | 784.4 | 720.4 | 723.9 |
| 47.5° | 1296.6 | 964.0 | 787.9 | 667.0 | 613.6 | 610.1 |
| 50° | 1133.0 | 832.4 | 659.9 | 556.7 | 512.3 | 503.4 |
| 52.5° | 976.5 | 699.0 | 540.7 | 448.2 | 410.9 | 407.3 |
| 55° | 779.0 | 544.3 | 421.5 | 352.2 | 323.7 | 325.5 |
| 56° | 707.9 | 501.6 | 384.2 | 321.9 | 300.6 | 300.6 |
| 57° | 640.3 | 444.7 | 348.6 | 297.0 | 277.5 | 277.5 |
| 58° | 565.6 | 391.3 | 316.6 | 268.6 | 259.7 | 252.6 |
| 59° | 514.0 | 355.7 | 286.4 | 254.3 | 240.1 | 238.3 |
| 60° | 453.6 | 320.2 | 266.8 | 238.3 | 227.7 | 225.9 |
| 61° | 402.0 | 288.1 | 245.5 | 222.3 | 218.8 | 218.8 |
| 62° | 359.3 | 266.8 | 227.7 | 215.2 | 213.4 | 208.1 |
| 63° | 321.9 | 245.5 | 218.8 | 204.5 | 199.2 | 204.5 |
| 64° | 288.1 | 225.9 | 211.7 | 201.0 | 193.9 | 197.4 |
| 65° | 261.5 | 217.0 | 202.8 | 195.7 | 188.5 | 190.3 |
| 66° | 243.7 | 202.8 | 195.7 | 186.8 | 183.2 | 185.0 |
| 67° | 220.6 | 195.7 | 188.5 | 179.6 | 177.9 | 179.6 |
| 67.5° | 213.4 | 190.3 | 185.0 | 176.1 | 174.3 | 176.1 |
| 68° | 208.1 | 186.8 | 183.2 | 174.3 | 172.5 | 170.8 |
| 69° | 193.9 | 179.6 | 174.3 | 170.8 | 167.2 | 165.4 |
| 70° | 181.4 | 172.5 | 169.0 | 163.6 | 160.1 | 158.3 |
| 71° | 174.3 | 163.6 | 161.9 | 156.5 | 153.0 | 151.2 |
| 72° | 165.4 | 158.3 | 154.7 | 147.6 | 145.8 | 147.6 |
| 72.5° | 163.6 | 154.7 | 153.0 | 145.8 | 144.1 | 144.1 |
| 73° | 158.3 | 147.6 | 149.4 | 142.3 | 138.7 | 142.3 |
| 74° | 147.6 | 144.1 | 140.5 | 135.2 | 133.4 | 133.4 |
| 75° | 138.7 | 135.2 | 131.6 | 128.1 | 128.1 | 128.1 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|
| 77.5° | 117.4 | 115.6 | 117.4 | 110.3 | 108.5 | 106.7 |
| 80° | 94.3 | 94.3 | 96.0 | 90.7 | 87.2 | 85.4 |
| 82.5° | 71.1 | 72.9 | 76.5 | 71.1 | 67.6 | 64.0 |
| 85° | 46.2 | 48.0 | 48.0 | 42.7 | 49.8 | 46.2 |
| 87.5° | 23.1 | 24.9 | 23.1 | 21.3 | 24.9 | 24.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)