

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: P676134

Luminaire Tested: **CCW-SA-1E-740-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676134
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-740-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T1 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

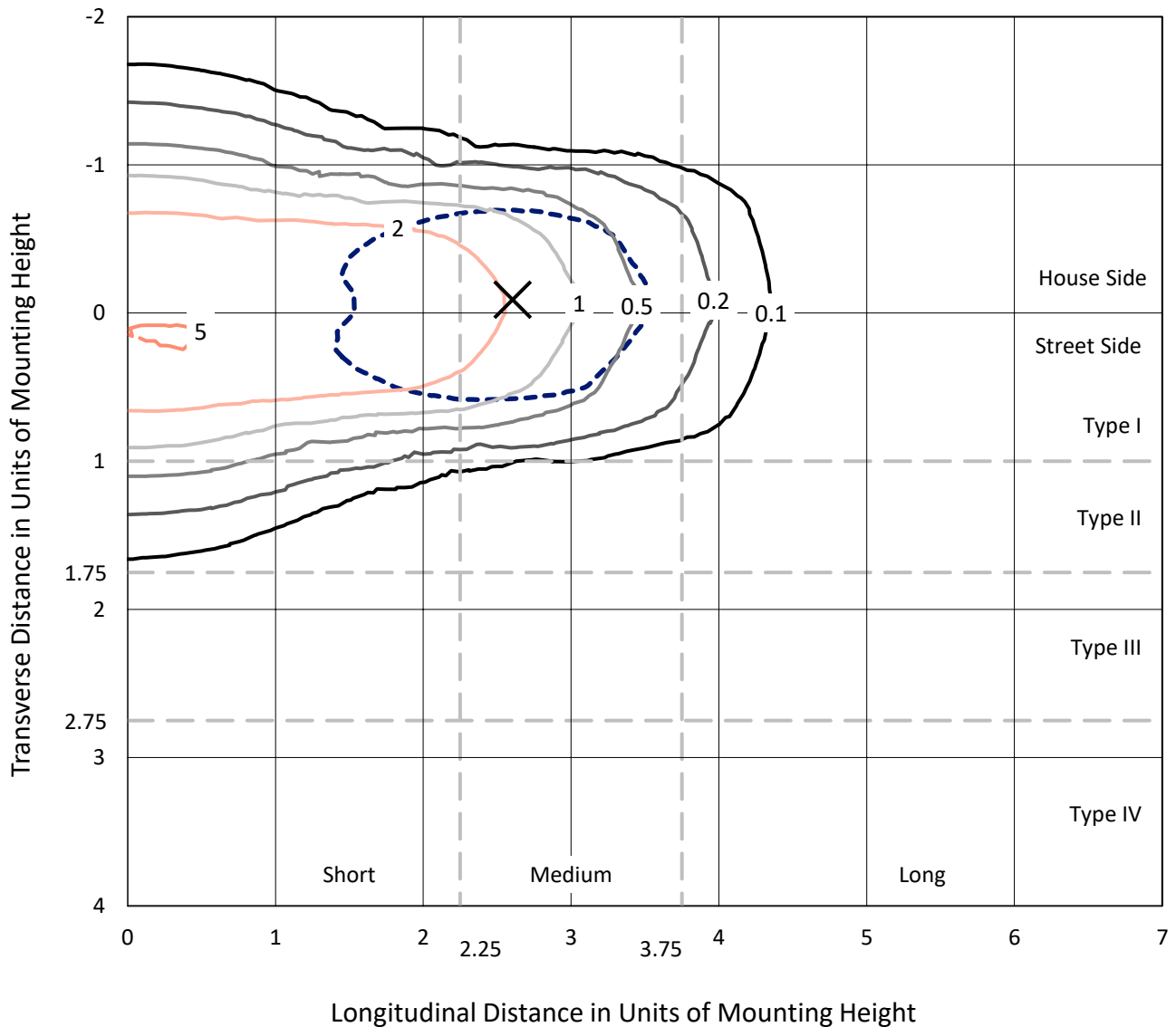
Lumens per Lamp: N/A
Luminaire Lumens: 6657.8 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

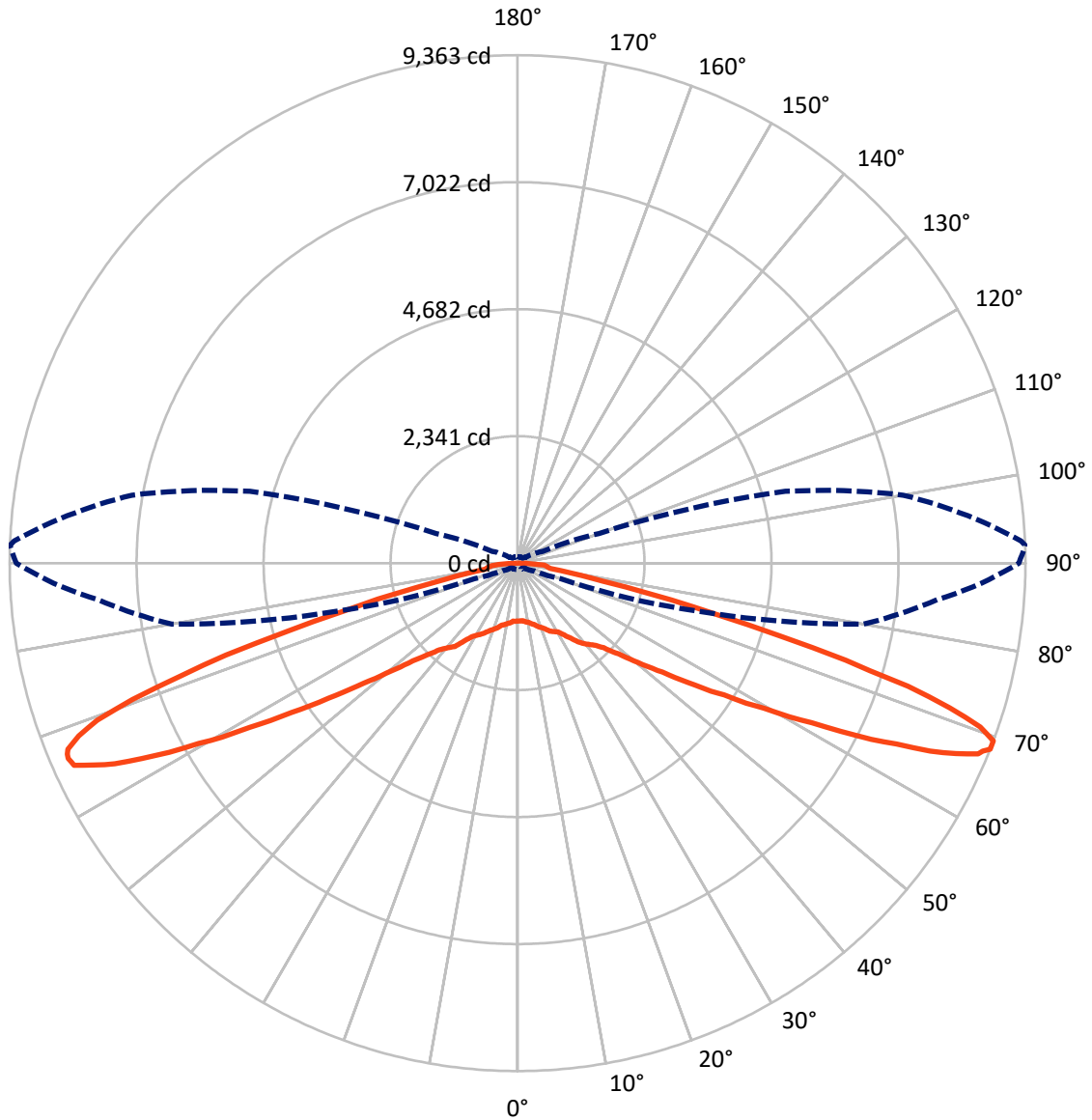
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 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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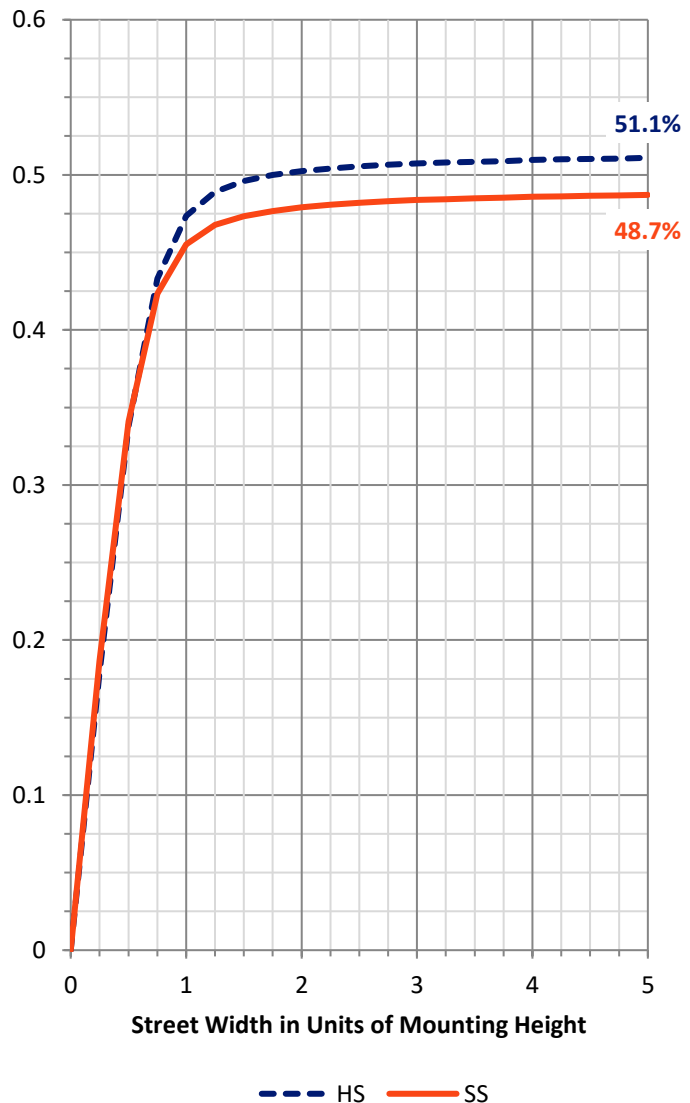
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3428.6 | 0.0 | 3428.6 |
| | % Fixture | 51.5 | 0.0 | 51.5 |
| Street Side | Lumens | 3229.1 | 0.0 | 3229.1 |
| | % Fixture | 48.5 | 0.0 | 48.5 |
| Total | Lumens | 6657.8 | 0.0 | 6657.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 106.6 | 1.6 |
| 10°-20° | 345.4 | 5.2 |
| 20°-30° | 589.4 | 8.9 |
| 30°-40° | 823.0 | 12.4 |
| 40°-50° | 1046.9 | 15.7 |
| 50°-60° | 1323.6 | 19.9 |
| 60°-70° | 1632.4 | 24.5 |
| 70°-80° | 713.1 | 10.7 |
| 80°-90° | 77.3 | 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° | 6657.8 | 100.0 |
| 0°-180° | 6657.8 | 100.0 |



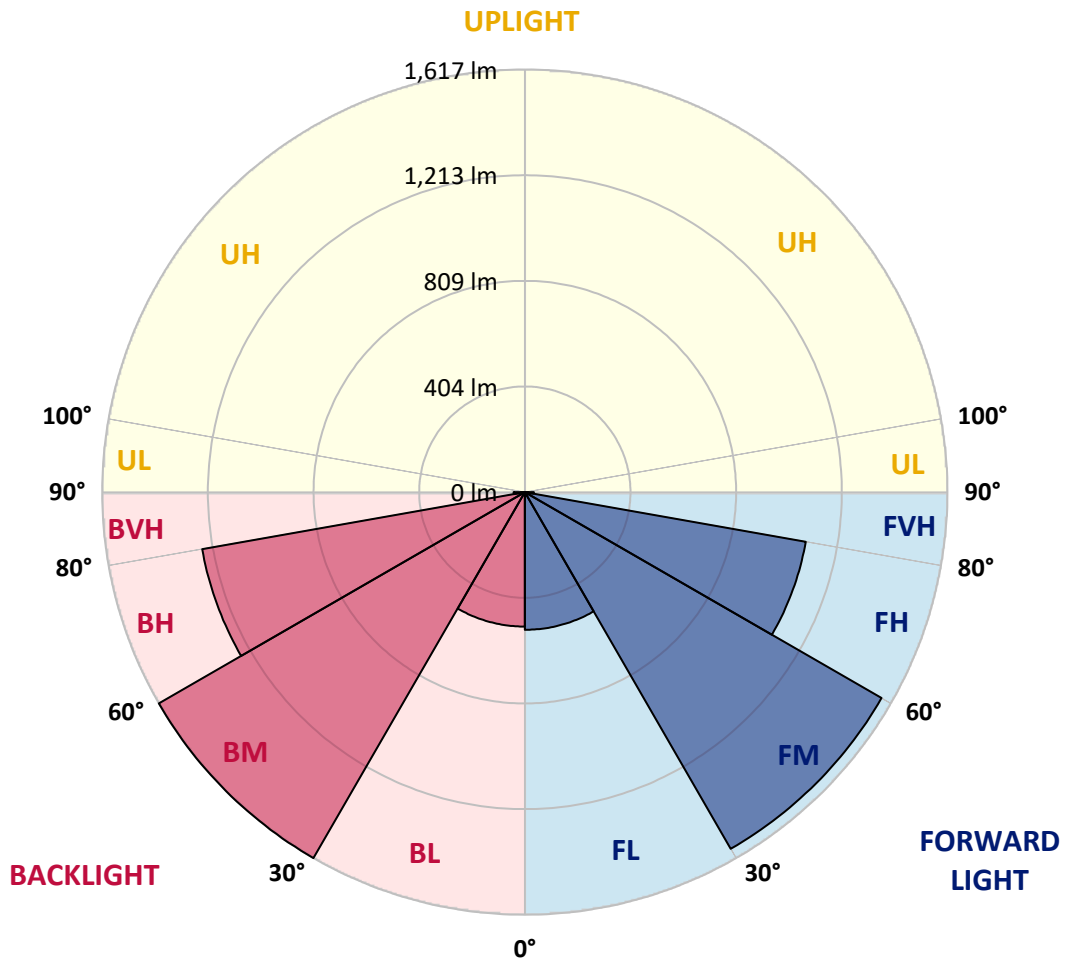
REPORT NUMBER: P676134
 CATALOG NUMBER: CCW-SA-1E-740-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 526.9 | 7.9 | | | |
| FM (30°-60°) | 1576.2 | 23.7 | | | |
| FH (60°-80°) | 1091.7 | 16.4 | | | G1/1800 |
| FVH (80°-90°) | 34.3 | 0.5 | | | G1/100 |
| BL (0°-30°) | 514.5 | 7.7 | B2/1000 | | |
| BM (30°-60°) | 1617.3 | 24.3 | B2/2500 | | |
| BH (60°-80°) | 1253.8 | 18.8 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 43.0 | 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





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CATALOG NUMBER: CCW-SA-1E-740-U-T1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 |
| 2.5° | 1087.1 | 1085.9 | 1089.6 | 1092.1 | 1080.9 | 1084.6 | 1082.1 | 1079.6 | 1070.9 | 1067.1 | 1059.6 |
| 5° | 1117.1 | 1120.9 | 1133.4 | 1122.1 | 1127.1 | 1120.9 | 1100.9 | 1107.1 | 1095.9 | 1093.4 | 1085.9 |
| 7.5° | 1169.6 | 1162.1 | 1179.6 | 1167.1 | 1170.8 | 1158.3 | 1149.6 | 1138.4 | 1135.9 | 1118.4 | 1119.6 |
| 10° | 1180.8 | 1195.8 | 1203.3 | 1200.8 | 1203.3 | 1209.6 | 1193.3 | 1175.8 | 1152.1 | 1147.1 | 1129.6 |
| 12.5° | 1173.3 | 1187.1 | 1207.1 | 1223.3 | 1234.6 | 1237.1 | 1230.8 | 1227.1 | 1217.1 | 1188.3 | 1187.1 |
| 15° | 1165.8 | 1155.8 | 1168.3 | 1224.6 | 1262.1 | 1287.1 | 1295.8 | 1274.6 | 1277.1 | 1239.6 | 1224.6 |
| 17.5° | 1115.9 | 1100.9 | 1149.6 | 1204.6 | 1250.8 | 1305.8 | 1348.3 | 1342.0 | 1342.0 | 1312.0 | 1290.8 |
| 20° | 1049.6 | 1074.6 | 1099.6 | 1169.6 | 1254.6 | 1337.0 | 1418.3 | 1414.5 | 1399.5 | 1390.8 | 1344.5 |
| 22.5° | 993.4 | 1004.7 | 1050.9 | 1124.6 | 1230.8 | 1345.8 | 1442.0 | 1510.7 | 1475.7 | 1440.7 | 1413.3 |
| 25° | 954.7 | 944.7 | 1003.4 | 1079.6 | 1208.3 | 1330.8 | 1487.0 | 1558.2 | 1577.0 | 1550.7 | 1498.2 |
| 27.5° | 899.7 | 899.7 | 945.9 | 1018.4 | 1135.9 | 1323.3 | 1530.7 | 1639.4 | 1666.9 | 1628.2 | 1552.0 |
| 30° | 837.2 | 844.7 | 884.7 | 967.2 | 1082.1 | 1268.3 | 1548.2 | 1733.1 | 1755.6 | 1721.9 | 1643.2 |
| 32.5° | 788.5 | 788.5 | 833.5 | 920.9 | 1044.6 | 1243.3 | 1537.0 | 1825.6 | 1868.1 | 1843.1 | 1761.9 |
| 35° | 736.0 | 732.2 | 764.7 | 861.0 | 984.7 | 1194.6 | 1533.2 | 1899.3 | 1994.3 | 1995.6 | 1910.6 |
| 37.5° | 661.0 | 676.0 | 717.3 | 793.5 | 937.2 | 1147.1 | 1522.0 | 1988.1 | 2158.0 | 2186.7 | 2128.0 |
| 40° | 611.0 | 617.3 | 654.8 | 738.5 | 863.4 | 1090.9 | 1505.7 | 2060.5 | 2266.7 | 2365.4 | 2284.2 |
| 42.5° | 538.6 | 547.3 | 576.0 | 679.8 | 792.2 | 1010.9 | 1434.5 | 2111.8 | 2421.7 | 2534.1 | 2465.4 |
| 45° | 462.3 | 467.3 | 509.8 | 594.8 | 716.0 | 915.9 | 1358.3 | 2194.2 | 2571.6 | 2801.5 | 2761.5 |
| 47.5° | 371.1 | 373.6 | 409.9 | 498.6 | 624.8 | 821.0 | 1240.8 | 2190.5 | 2692.8 | 3068.9 | 3181.4 |
| 50° | 289.9 | 296.1 | 323.6 | 396.1 | 514.8 | 704.8 | 1104.6 | 2160.5 | 2845.3 | 3373.8 | 3595.0 |
| 52.5° | 231.2 | 232.4 | 249.9 | 307.4 | 397.4 | 588.5 | 958.4 | 2065.5 | 2989.0 | 3672.5 | 4102.3 |
| 55° | 191.2 | 191.2 | 201.2 | 236.2 | 304.9 | 447.3 | 787.2 | 1908.1 | 3006.5 | 4002.4 | 4655.9 |
| 56° | 183.7 | 181.2 | 189.9 | 219.9 | 274.9 | 403.6 | 707.3 | 1801.9 | 3031.4 | 4154.8 | 4933.3 |
| 57° | 173.7 | 174.9 | 179.9 | 201.2 | 247.4 | 357.4 | 618.5 | 1698.2 | 3014.0 | 4279.8 | 5138.2 |
| 58° | 168.7 | 166.2 | 176.2 | 189.9 | 218.7 | 317.4 | 557.3 | 1575.7 | 2986.5 | 4382.2 | 5436.9 |
| 59° | 161.2 | 159.9 | 166.2 | 178.7 | 203.7 | 282.4 | 482.3 | 1443.2 | 2932.7 | 4514.7 | 5659.3 |
| 60° | 158.7 | 157.4 | 159.9 | 169.9 | 187.4 | 247.4 | 424.9 | 1288.3 | 2789.0 | 4650.9 | 5935.4 |
| 61° | 151.2 | 152.4 | 157.4 | 163.7 | 177.4 | 222.4 | 382.4 | 1129.6 | 2695.3 | 4765.8 | 6240.3 |
| 62° | 152.4 | 149.9 | 152.4 | 157.4 | 167.4 | 204.9 | 334.9 | 973.4 | 2527.9 | 4895.8 | 6469.0 |
| 63° | 144.9 | 143.7 | 147.4 | 153.7 | 158.7 | 184.9 | 292.4 | 841.0 | 2337.9 | 4925.8 | 6662.7 |
| 64° | 142.5 | 141.2 | 142.5 | 151.2 | 152.4 | 173.7 | 258.7 | 718.5 | 2063.0 | 4977.0 | 6911.3 |
| 65° | 136.2 | 136.2 | 138.7 | 142.5 | 147.4 | 163.7 | 231.2 | 623.5 | 1789.4 | 4842.1 | 6987.6 |
| 66° | 131.2 | 132.5 | 132.5 | 138.7 | 142.5 | 152.4 | 212.4 | 529.8 | 1527.0 | 4627.1 | 7061.3 |
| 67° | 127.5 | 127.5 | 128.7 | 133.7 | 137.5 | 143.7 | 191.2 | 458.6 | 1288.3 | 4371.0 | 6947.6 |
| 67.5° | 125.0 | 126.2 | 126.2 | 131.2 | 135.0 | 143.7 | 182.4 | 434.8 | 1152.1 | 4089.8 | 6862.6 |
| 68° | 121.2 | 122.5 | 122.5 | 127.5 | 131.2 | 138.7 | 176.2 | 397.4 | 1062.1 | 3907.4 | 6705.2 |
| 69° | 118.7 | 117.5 | 117.5 | 122.5 | 127.5 | 132.5 | 163.7 | 347.4 | 844.7 | 3397.6 | 6475.2 |
| 70° | 111.2 | 111.2 | 113.7 | 117.5 | 121.2 | 126.2 | 151.2 | 306.1 | 714.8 | 2812.8 | 5883.0 |
| 71° | 107.5 | 106.2 | 107.5 | 111.2 | 115.0 | 121.2 | 138.7 | 271.2 | 584.8 | 2335.4 | 5300.7 |
| 72° | 100.0 | 102.5 | 102.5 | 106.2 | 110.0 | 113.7 | 130.0 | 236.2 | 491.1 | 1866.9 | 4659.6 |
| 72.5° | 98.7 | 98.7 | 100.0 | 103.7 | 106.2 | 112.5 | 125.0 | 226.2 | 448.6 | 1645.7 | 4391.0 |
| 73° | 95.0 | 95.0 | 96.2 | 100.0 | 102.5 | 108.7 | 121.2 | 203.7 | 408.6 | 1464.5 | 3888.6 |
| 74° | 91.2 | 90.0 | 90.0 | 95.0 | 96.2 | 102.5 | 113.7 | 179.9 | 342.4 | 1103.4 | 3121.4 |
| 75° | 85.0 | 85.0 | 86.2 | 88.7 | 90.0 | 95.0 | 105.0 | 159.9 | 288.6 | 856.0 | 2441.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|------|------|------|------|------|------|------|-------|-------|-------|--------|
| 77.5° | 70.0 | 71.2 | 72.5 | 75.0 | 75.0 | 78.7 | 86.2 | 111.2 | 176.2 | 433.6 | 1120.9 |
| 80° | 51.2 | 53.7 | 57.5 | 61.2 | 60.0 | 60.0 | 67.5 | 80.0 | 105.0 | 194.9 | 429.9 |
| 82.5° | 41.2 | 43.7 | 40.0 | 45.0 | 45.0 | 42.5 | 48.7 | 58.7 | 71.2 | 96.2 | 153.7 |
| 85° | 27.5 | 28.7 | 23.7 | 27.5 | 26.2 | 26.2 | 32.5 | 35.0 | 43.7 | 53.7 | 76.2 |
| 87.5° | 12.5 | 12.5 | 10.0 | 11.2 | 11.2 | 11.2 | 16.2 | 12.5 | 18.7 | 26.2 | 45.0 |
| 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-1E-740-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 |
| 2.5° | 1067.1 | 1072.1 | 1072.1 | 1067.1 | 1063.4 | 1067.1 | 1064.6 | 1058.4 | 1064.6 | 1067.1 | 1068.4 |
| 5° | 1082.1 | 1072.1 | 1077.1 | 1065.9 | 1073.4 | 1072.1 | 1069.6 | 1075.9 | 1077.1 | 1077.1 | 1085.9 |
| 7.5° | 1098.4 | 1110.9 | 1094.6 | 1095.9 | 1099.6 | 1084.6 | 1089.6 | 1092.1 | 1087.1 | 1097.1 | 1104.6 |
| 10° | 1127.1 | 1132.1 | 1127.1 | 1108.4 | 1120.9 | 1110.9 | 1107.1 | 1118.4 | 1115.9 | 1118.4 | 1129.6 |
| 12.5° | 1153.3 | 1162.1 | 1148.4 | 1147.1 | 1140.9 | 1132.1 | 1137.1 | 1135.9 | 1153.3 | 1155.8 | 1169.6 |
| 15° | 1207.1 | 1184.6 | 1179.6 | 1178.3 | 1175.8 | 1172.1 | 1174.6 | 1175.8 | 1198.3 | 1202.1 | 1234.6 |
| 17.5° | 1253.3 | 1249.6 | 1222.1 | 1232.1 | 1232.1 | 1217.1 | 1210.8 | 1232.1 | 1249.6 | 1268.3 | 1290.8 |
| 20° | 1300.8 | 1297.0 | 1267.1 | 1268.3 | 1257.1 | 1270.8 | 1263.3 | 1283.3 | 1313.3 | 1319.5 | 1339.5 |
| 22.5° | 1357.0 | 1340.8 | 1319.5 | 1322.0 | 1325.8 | 1315.8 | 1310.8 | 1338.3 | 1368.3 | 1385.8 | 1387.0 |
| 25° | 1445.7 | 1404.5 | 1387.0 | 1389.5 | 1384.5 | 1377.0 | 1380.8 | 1415.8 | 1430.8 | 1468.2 | 1460.7 |
| 27.5° | 1493.2 | 1469.5 | 1457.0 | 1428.3 | 1429.5 | 1418.3 | 1433.3 | 1485.7 | 1515.7 | 1544.5 | 1487.0 |
| 30° | 1550.7 | 1535.7 | 1480.7 | 1470.7 | 1469.5 | 1464.5 | 1492.0 | 1559.5 | 1604.4 | 1620.7 | 1538.2 |
| 32.5° | 1663.2 | 1603.2 | 1589.4 | 1580.7 | 1560.7 | 1567.0 | 1580.7 | 1669.4 | 1740.6 | 1736.9 | 1585.7 |
| 35° | 1791.9 | 1750.6 | 1711.9 | 1704.4 | 1701.9 | 1684.4 | 1708.2 | 1811.9 | 1866.9 | 1850.6 | 1603.2 |
| 37.5° | 1998.1 | 1935.6 | 1883.1 | 1854.4 | 1849.4 | 1836.9 | 1893.1 | 1975.6 | 2046.8 | 1983.1 | 1616.9 |
| 40° | 2099.3 | 2029.3 | 1980.6 | 1963.1 | 1966.8 | 1984.3 | 2039.3 | 2165.5 | 2196.7 | 2079.3 | 1628.2 |
| 42.5° | 2244.2 | 2168.0 | 2071.8 | 2063.0 | 2051.8 | 2060.5 | 2166.7 | 2336.7 | 2362.9 | 2209.2 | 1585.7 |
| 45° | 2501.6 | 2386.7 | 2275.5 | 2225.5 | 2228.0 | 2251.7 | 2416.7 | 2602.8 | 2554.1 | 2299.2 | 1518.2 |
| 47.5° | 2826.5 | 2657.8 | 2567.9 | 2500.4 | 2532.9 | 2506.6 | 2769.0 | 2917.7 | 2751.5 | 2412.9 | 1435.8 |
| 50° | 3315.1 | 3078.9 | 2956.5 | 2875.2 | 2889.0 | 2911.5 | 3177.6 | 3303.9 | 2970.2 | 2467.9 | 1309.5 |
| 52.5° | 3931.1 | 3627.5 | 3447.6 | 3338.8 | 3348.8 | 3397.6 | 3741.2 | 3702.5 | 3220.1 | 2514.1 | 1140.9 |
| 55° | 4668.4 | 4356.0 | 4007.4 | 3962.4 | 3951.1 | 4067.3 | 4446.0 | 4119.8 | 3445.1 | 2440.4 | 965.9 |
| 56° | 5058.2 | 4725.9 | 4363.5 | 4271.0 | 4243.5 | 4324.7 | 4769.6 | 4328.5 | 3522.5 | 2357.9 | 882.2 |
| 57° | 5389.4 | 5072.0 | 4674.6 | 4517.2 | 4552.2 | 4704.6 | 5090.7 | 4524.7 | 3593.7 | 2273.0 | 803.5 |
| 58° | 5844.2 | 5481.8 | 5062.0 | 4942.0 | 4910.8 | 5032.0 | 5436.9 | 4722.1 | 3617.5 | 2185.5 | 731.0 |
| 59° | 6297.8 | 5863.0 | 5484.3 | 5265.7 | 5274.4 | 5495.6 | 5778.0 | 4957.0 | 3653.7 | 2074.3 | 638.5 |
| 60° | 6642.7 | 6424.0 | 5917.9 | 5754.2 | 5731.8 | 6051.6 | 6117.9 | 5114.5 | 3692.5 | 1924.3 | 573.6 |
| 61° | 7131.3 | 6846.4 | 6375.3 | 6164.1 | 6225.3 | 6481.5 | 6485.2 | 5311.9 | 3635.0 | 1734.4 | 493.6 |
| 62° | 7482.4 | 7407.4 | 6912.6 | 6711.4 | 6692.7 | 7032.6 | 6867.6 | 5485.6 | 3585.0 | 1554.5 | 436.1 |
| 63° | 7893.5 | 7893.5 | 7442.4 | 7285.0 | 7293.7 | 7562.4 | 7033.8 | 5659.3 | 3527.5 | 1355.8 | 383.6 |
| 64° | 8107.2 | 8375.8 | 7959.7 | 7738.6 | 7796.0 | 8028.5 | 7330.0 | 5773.0 | 3350.1 | 1154.6 | 337.4 |
| 65° | 8292.1 | 8695.7 | 8464.6 | 8362.1 | 8274.6 | 8412.1 | 7586.1 | 5879.2 | 3078.9 | 982.2 | 299.9 |
| 66° | 8448.3 | 8996.9 | 8920.6 | 8810.7 | 8801.9 | 8770.7 | 7636.1 | 5875.5 | 2799.0 | 829.7 | 262.4 |
| 67° | 8369.6 | 9003.1 | 9141.8 | 9188.1 | 9174.3 | 8844.4 | 7548.6 | 5741.8 | 2440.4 | 701.0 | 233.7 |
| 67.5° | 8298.4 | 8951.9 | 9274.3 | 9248.0 | 9305.5 | 8906.9 | 7563.6 | 5578.1 | 2185.5 | 634.8 | 219.9 |
| 68° | 8235.9 | 8883.2 | 9328.0 | 9361.7 | 9333.0 | 8914.4 | 7481.1 | 5448.1 | 2011.8 | 596.0 | 207.4 |
| 69° | 7762.3 | 8557.0 | 9241.8 | 9363.0 | 9289.3 | 8628.2 | 7218.7 | 5109.5 | 1598.2 | 508.6 | 191.2 |
| 70° | 7287.5 | 8134.7 | 8823.2 | 9045.6 | 8954.4 | 8074.7 | 6887.6 | 4570.9 | 1318.3 | 434.8 | 172.4 |
| 71° | 6630.2 | 7349.9 | 8265.9 | 8399.6 | 8289.6 | 7444.9 | 6202.8 | 4002.4 | 1025.9 | 368.6 | 153.7 |
| 72° | 5738.0 | 6349.0 | 7223.7 | 7547.4 | 7384.9 | 6539.0 | 5510.6 | 3307.6 | 831.0 | 309.9 | 140.0 |
| 72.5° | 5295.7 | 5921.7 | 6765.1 | 6791.4 | 6822.6 | 6145.4 | 5216.9 | 2905.2 | 724.7 | 287.4 | 136.2 |
| 73° | 4875.8 | 5489.3 | 6219.1 | 6311.6 | 6179.1 | 5481.8 | 4778.3 | 2597.8 | 662.3 | 262.4 | 131.2 |
| 74° | 3951.1 | 4301.0 | 4905.8 | 4995.8 | 4879.6 | 4469.7 | 3904.9 | 1991.8 | 527.3 | 226.2 | 120.0 |
| 75° | 3108.9 | 3301.4 | 3848.7 | 3793.7 | 3620.0 | 3476.3 | 3027.7 | 1522.0 | 427.4 | 198.7 | 111.2 |



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CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 77.5° | 1397.0 | 1513.2 | 1604.4 | 1604.4 | 1614.4 | 1540.7 | 1395.8 | 698.5 | 263.7 | 143.7 | 91.2 |
| 80° | 532.3 | 596.0 | 616.0 | 617.3 | 626.0 | 648.5 | 603.5 | 343.6 | 156.2 | 102.5 | 73.7 |
| 82.5° | 386.1 | 539.8 | 581.0 | 551.1 | 553.6 | 499.8 | 231.2 | 152.4 | 98.7 | 71.2 | 53.7 |
| 85° | 349.9 | 469.8 | 497.3 | 493.6 | 494.8 | 462.3 | 136.2 | 75.0 | 57.5 | 45.0 | 37.5 |
| 87.5° | 169.9 | 166.2 | 176.2 | 198.7 | 193.7 | 251.2 | 115.0 | 37.5 | 25.0 | 18.7 | 18.7 |
| 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° | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 | 1064.6 |
| 2.5° | 1058.4 | 1057.1 | 1074.6 | 1057.1 | 1067.1 | 1059.6 |
| 5° | 1070.9 | 1075.9 | 1079.6 | 1087.1 | 1069.6 | 1087.1 |
| 7.5° | 1108.4 | 1113.4 | 1114.6 | 1120.9 | 1113.4 | 1112.1 |
| 10° | 1137.1 | 1149.6 | 1157.1 | 1132.1 | 1147.1 | 1145.9 |
| 12.5° | 1193.3 | 1180.8 | 1179.6 | 1174.6 | 1160.8 | 1155.8 |
| 15° | 1233.3 | 1214.6 | 1203.3 | 1183.3 | 1167.1 | 1160.8 |
| 17.5° | 1289.6 | 1253.3 | 1207.1 | 1165.8 | 1137.1 | 1114.6 |
| 20° | 1324.5 | 1259.6 | 1167.1 | 1118.4 | 1074.6 | 1084.6 |
| 22.5° | 1347.0 | 1253.3 | 1130.9 | 1068.4 | 1024.6 | 1037.1 |
| 25° | 1354.5 | 1222.1 | 1105.9 | 1028.4 | 985.9 | 977.2 |
| 27.5° | 1333.3 | 1185.8 | 1057.1 | 969.7 | 932.2 | 939.7 |
| 30° | 1323.3 | 1133.4 | 1012.1 | 925.9 | 875.9 | 883.4 |
| 32.5° | 1297.0 | 1079.6 | 952.2 | 864.7 | 828.5 | 816.0 |
| 35° | 1259.6 | 1034.6 | 894.7 | 812.2 | 768.5 | 758.5 |
| 37.5° | 1213.3 | 978.4 | 844.7 | 744.7 | 706.0 | 698.5 |
| 40° | 1144.6 | 910.9 | 772.2 | 686.0 | 641.0 | 639.8 |
| 42.5° | 1084.6 | 846.0 | 704.8 | 616.0 | 571.1 | 573.6 |
| 45° | 1008.4 | 758.5 | 627.3 | 551.1 | 506.1 | 508.6 |
| 47.5° | 910.9 | 677.3 | 553.6 | 468.6 | 431.1 | 428.6 |
| 50° | 796.0 | 584.8 | 463.6 | 391.1 | 359.9 | 353.6 |
| 52.5° | 686.0 | 491.1 | 379.9 | 314.9 | 288.6 | 286.2 |
| 55° | 547.3 | 382.4 | 296.1 | 247.4 | 227.4 | 228.7 |
| 56° | 497.3 | 352.4 | 269.9 | 226.2 | 211.2 | 211.2 |
| 57° | 449.8 | 312.4 | 244.9 | 208.7 | 194.9 | 194.9 |
| 58° | 397.4 | 274.9 | 222.4 | 188.7 | 182.4 | 177.4 |
| 59° | 361.1 | 249.9 | 201.2 | 178.7 | 168.7 | 167.4 |
| 60° | 318.6 | 224.9 | 187.4 | 167.4 | 159.9 | 158.7 |
| 61° | 282.4 | 202.4 | 172.4 | 156.2 | 153.7 | 153.7 |
| 62° | 252.4 | 187.4 | 159.9 | 151.2 | 149.9 | 146.2 |
| 63° | 226.2 | 172.4 | 153.7 | 143.7 | 140.0 | 143.7 |
| 64° | 202.4 | 158.7 | 148.7 | 141.2 | 136.2 | 138.7 |
| 65° | 183.7 | 152.4 | 142.5 | 137.5 | 132.5 | 133.7 |
| 66° | 171.2 | 142.5 | 137.5 | 131.2 | 128.7 | 130.0 |
| 67° | 154.9 | 137.5 | 132.5 | 126.2 | 125.0 | 126.2 |
| 67.5° | 149.9 | 133.7 | 130.0 | 123.7 | 122.5 | 123.7 |
| 68° | 146.2 | 131.2 | 128.7 | 122.5 | 121.2 | 120.0 |
| 69° | 136.2 | 126.2 | 122.5 | 120.0 | 117.5 | 116.2 |
| 70° | 127.5 | 121.2 | 118.7 | 115.0 | 112.5 | 111.2 |
| 71° | 122.5 | 115.0 | 113.7 | 110.0 | 107.5 | 106.2 |
| 72° | 116.2 | 111.2 | 108.7 | 103.7 | 102.5 | 103.7 |
| 72.5° | 115.0 | 108.7 | 107.5 | 102.5 | 101.2 | 101.2 |
| 73° | 111.2 | 103.7 | 105.0 | 100.0 | 97.5 | 100.0 |
| 74° | 103.7 | 101.2 | 98.7 | 95.0 | 93.7 | 93.7 |
| 75° | 97.5 | 95.0 | 92.5 | 90.0 | 90.0 | 90.0 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|
| 77.5° | 82.5 | 81.2 | 82.5 | 77.5 | 76.2 | 75.0 |
| 80° | 66.2 | 66.2 | 67.5 | 63.7 | 61.2 | 60.0 |
| 82.5° | 50.0 | 51.2 | 53.7 | 50.0 | 47.5 | 45.0 |
| 85° | 32.5 | 33.7 | 33.7 | 30.0 | 35.0 | 32.5 |
| 87.5° | 16.2 | 17.5 | 16.2 | 15.0 | 17.5 | 17.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)