

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: P671714

Luminaire Tested: **CCP-SA-1D-827-U-SLL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671714
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-827-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ SLL distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

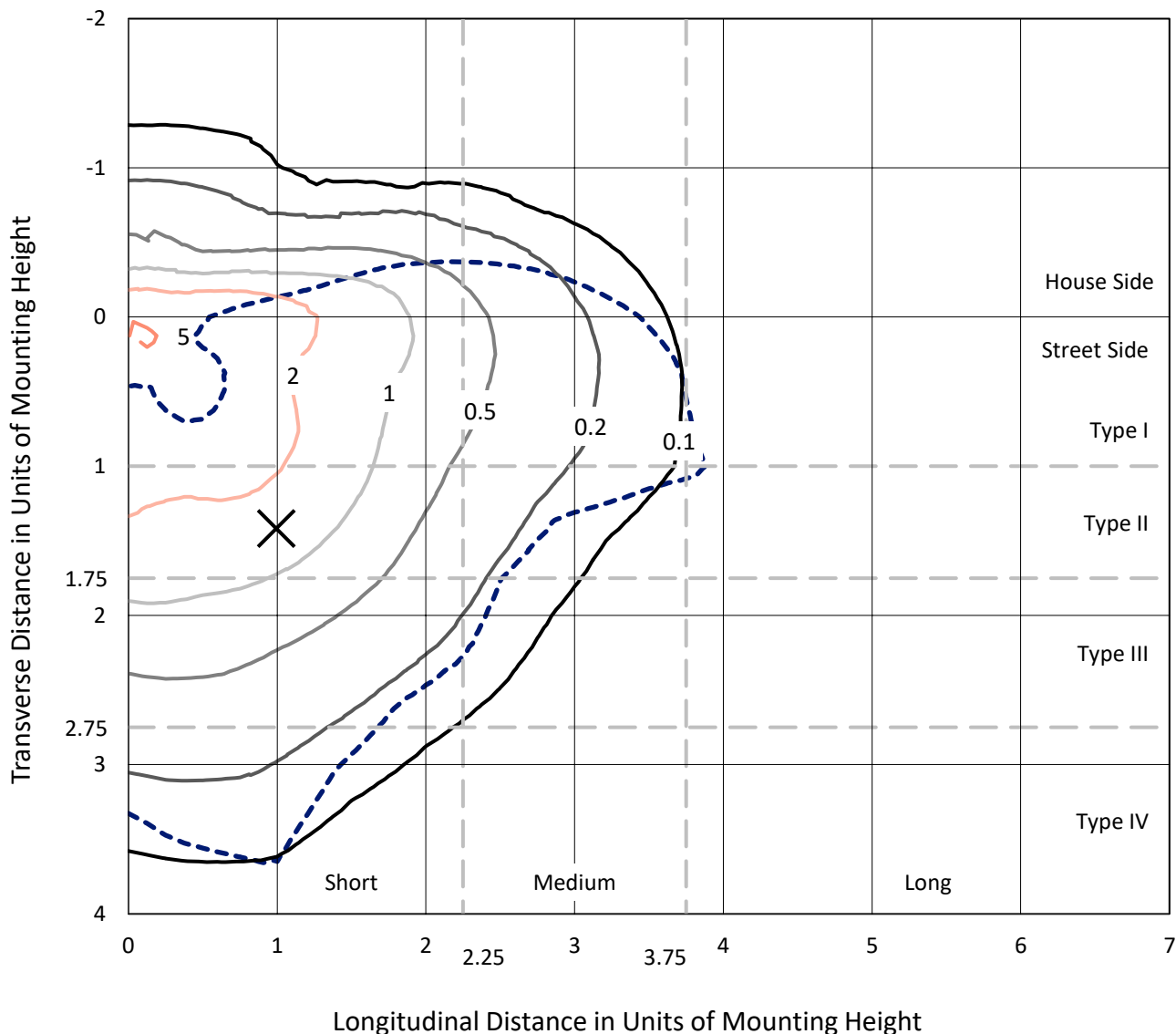
Lumens per Lamp: N/A
Luminaire Lumens: 3401.5 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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: P671714
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Iso-Footcandle Lines of Horizontal Illumination

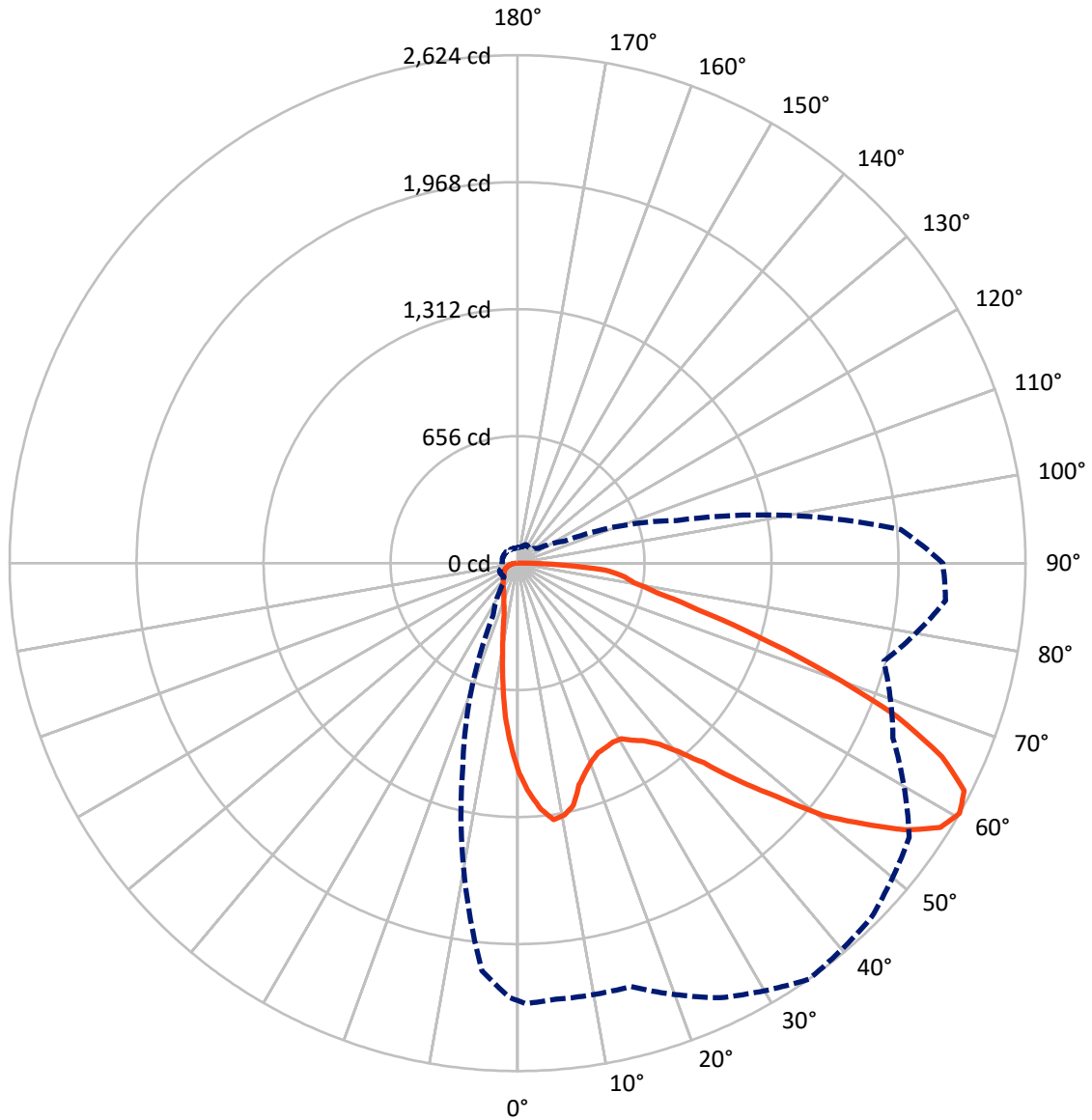
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 647.4 | 0.0 | 647.4 |
| | % Fixture | 19.0 | 0.0 | 19.0 |
| Street Side | Lumens | 2754.2 | 0.0 | 2754.2 |
| | % Fixture | 81.0 | 0.0 | 81.0 |
| Total | Lumens | 3401.5 | 0.0 | 3401.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.4 | 2.5 |
| 10°-20° | 178.2 | 5.2 |
| 20°-30° | 260.7 | 7.7 |
| 30°-40° | 367.3 | 10.8 |
| 40°-50° | 504.8 | 14.8 |
| 50°-60° | 688.0 | 20.2 |
| 60°-70° | 753.0 | 22.1 |
| 70°-80° | 434.8 | 12.8 |
| 80°-90° | 130.2 | 3.8 |
| 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° | 3401.5 | 100.0 |
| 0°-180° | 3401.5 | 100.0 |



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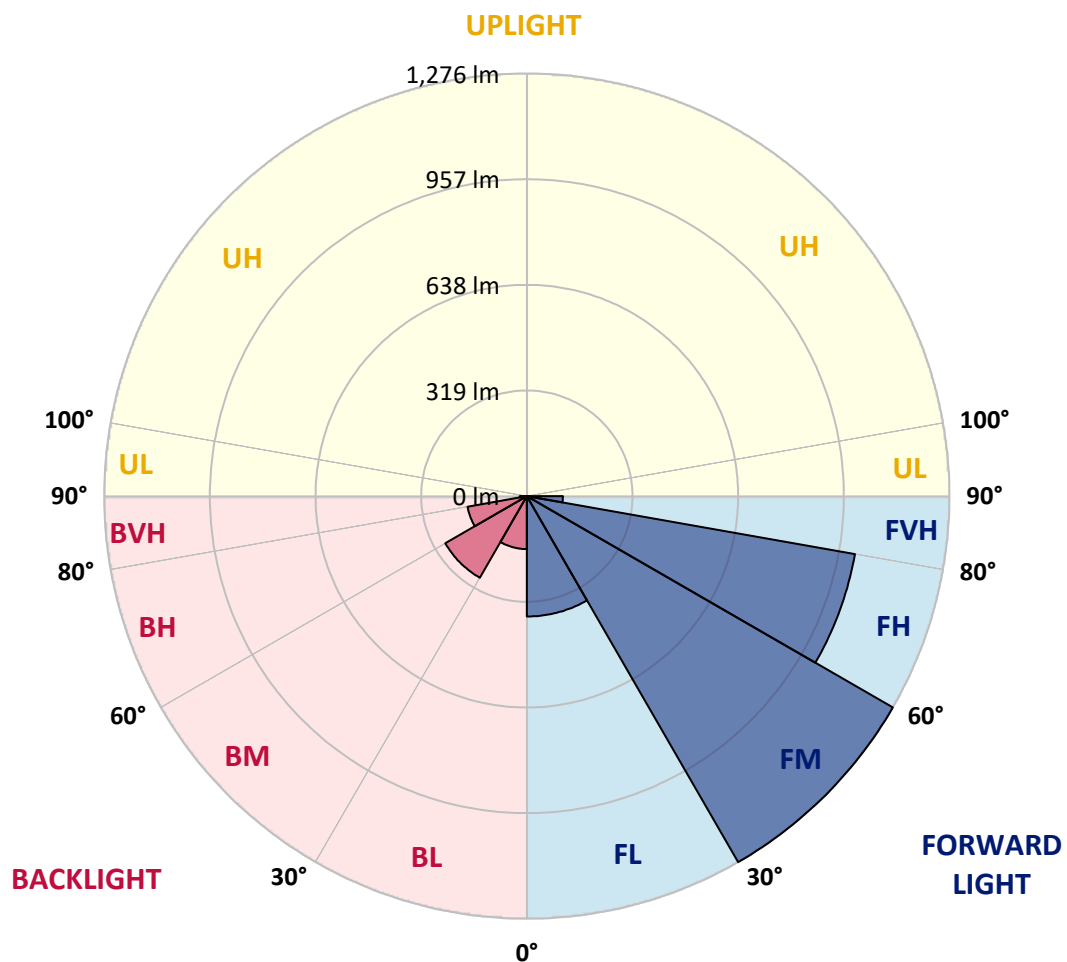
CATALOG NUMBER: CCP-SA-1D-827-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 363.4 | 10.7 | | | |
| FM (30°-60°) | 1275.9 | 37.5 | | | |
| FH (60°-80°) | 1006.0 | 29.6 | | | G1/1800 |
| FVH (80°-90°) | 109.0 | 3.2 | | | G2/225 |
| BL (0°-30°) | 159.9 | 4.7 | B1/500 | | |
| BM (30°-60°) | 284.4 | 8.4 | B1/1000 | | |
| BH (60°-80°) | 181.8 | 5.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 21.2 | 0.6 | | | 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 IV Short





REPORT NUMBER: P671714

CATALOG NUMBER: CCP-SA-1D-827-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5° | 1163.4 | 1158.9 | 1163.4 | 1180.0 | 1184.5 | 1192.1 | 1192.1 | 1181.5 | 1161.9 | 1152.8 | 1137.7 |
| 5° | 1189.0 | 1181.5 | 1219.2 | 1253.9 | 1281.1 | 1278.1 | 1252.4 | 1231.3 | 1192.1 | 1133.2 | 1077.4 |
| 7.5° | 1137.7 | 1145.3 | 1172.4 | 1263.0 | 1326.3 | 1338.4 | 1297.7 | 1255.4 | 1170.9 | 1089.4 | 1014.0 |
| 10° | 1041.2 | 1051.7 | 1110.6 | 1204.1 | 1303.7 | 1323.3 | 1297.7 | 1246.4 | 1145.3 | 1044.2 | 956.7 |
| 12.5° | 994.4 | 1018.5 | 1053.2 | 1166.4 | 1237.3 | 1284.1 | 1272.0 | 1238.8 | 1125.7 | 1006.5 | 922.0 |
| 15° | 994.4 | 1000.4 | 1051.7 | 1146.8 | 1187.5 | 1189.0 | 1193.6 | 1199.6 | 1131.7 | 1023.1 | 909.9 |
| 17.5° | 1026.1 | 1042.7 | 1086.4 | 1145.3 | 1152.8 | 1134.7 | 1134.7 | 1160.4 | 1143.8 | 1069.8 | 953.6 |
| 20° | 1103.0 | 1097.0 | 1154.3 | 1178.5 | 1137.7 | 1092.5 | 1087.9 | 1131.7 | 1157.3 | 1119.6 | 1033.6 |
| 22.5° | 1180.0 | 1207.1 | 1253.9 | 1199.6 | 1124.2 | 1063.8 | 1057.8 | 1112.1 | 1198.1 | 1205.6 | 1125.7 |
| 25° | 1296.2 | 1323.3 | 1347.5 | 1281.1 | 1122.6 | 1056.2 | 1060.8 | 1103.0 | 1247.9 | 1327.9 | 1279.6 |
| 27.5° | 1421.4 | 1438.0 | 1472.7 | 1370.1 | 1158.9 | 1047.2 | 1051.7 | 1115.1 | 1294.7 | 1407.8 | 1400.3 |
| 30° | 1492.3 | 1510.4 | 1502.9 | 1386.7 | 1183.0 | 1053.2 | 1041.2 | 1131.7 | 1269.0 | 1407.8 | 1478.7 |
| 32.5° | 1561.7 | 1551.2 | 1546.7 | 1413.9 | 1213.2 | 1091.0 | 1060.8 | 1166.4 | 1284.1 | 1430.5 | 1579.8 |
| 35° | 1646.2 | 1631.2 | 1619.1 | 1466.7 | 1263.0 | 1127.2 | 1113.6 | 1211.7 | 1317.3 | 1477.2 | 1661.3 |
| 37.5° | 1739.8 | 1739.8 | 1680.9 | 1505.9 | 1321.8 | 1186.0 | 1170.9 | 1276.6 | 1370.1 | 1505.9 | 1773.0 |
| 40° | 1849.9 | 1854.5 | 1750.4 | 1558.7 | 1388.2 | 1279.6 | 1275.0 | 1361.1 | 1421.4 | 1548.2 | 1880.1 |
| 42.5° | 1931.4 | 1934.4 | 1810.7 | 1578.3 | 1465.2 | 1409.3 | 1429.0 | 1496.9 | 1480.3 | 1585.9 | 1887.7 |
| 45° | 1987.3 | 1972.2 | 1853.0 | 1634.2 | 1549.7 | 1604.0 | 1610.0 | 1629.6 | 1557.2 | 1608.5 | 1917.8 |
| 47.5° | 2014.4 | 2011.4 | 1871.1 | 1699.1 | 1727.7 | 1801.7 | 1836.4 | 1809.2 | 1628.1 | 1584.4 | 1917.8 |
| 50° | 2041.6 | 2015.9 | 1887.7 | 1788.1 | 1901.2 | 2050.6 | 2043.1 | 1993.3 | 1726.2 | 1614.6 | 1889.2 |
| 52.5° | 2059.7 | 2037.1 | 1920.9 | 1868.1 | 2067.2 | 2236.2 | 2266.4 | 2174.4 | 1840.9 | 1670.4 | 1902.8 |
| 55° | 2124.6 | 2106.5 | 2020.5 | 1976.7 | 2258.9 | 2432.4 | 2436.9 | 2308.7 | 1961.6 | 1762.4 | 1991.8 |
| 57.5° | 2203.0 | 2213.6 | 2157.8 | 2130.6 | 2405.2 | 2575.7 | 2559.1 | 2408.2 | 2064.2 | 1874.1 | 2094.4 |
| 60° | 2258.9 | 2275.5 | 2261.9 | 2264.9 | 2477.7 | 2624.0 | 2586.3 | 2470.1 | 2139.7 | 1958.6 | 2219.6 |
| 62.5° | 2228.7 | 2261.9 | 2317.7 | 2305.6 | 2480.7 | 2589.3 | 2536.5 | 2388.6 | 2148.7 | 2068.7 | 2314.7 |
| 65° | 2145.7 | 2148.7 | 2257.4 | 2323.7 | 2344.9 | 2409.8 | 2340.3 | 2218.1 | 2055.2 | 2136.6 | 2301.1 |
| 67.5° | 1932.9 | 1957.1 | 2055.2 | 2184.9 | 2095.9 | 2111.0 | 2105.0 | 1928.4 | 1913.3 | 2089.9 | 2197.0 |
| 70° | 1706.6 | 1723.2 | 1830.3 | 1982.7 | 1770.0 | 1699.1 | 1712.6 | 1581.4 | 1643.2 | 1945.0 | 1987.3 |
| 72.5° | 1410.8 | 1421.4 | 1543.6 | 1677.9 | 1419.9 | 1293.2 | 1324.8 | 1217.7 | 1305.2 | 1702.1 | 1676.4 |
| 75° | 1065.3 | 1084.9 | 1180.0 | 1338.4 | 1045.7 | 964.2 | 995.9 | 952.1 | 1033.6 | 1401.8 | 1300.7 |
| 77.5° | 757.5 | 742.4 | 860.1 | 1047.2 | 786.2 | 737.9 | 740.9 | 748.4 | 835.9 | 1181.5 | 934.0 |
| 80° | 516.1 | 520.6 | 626.2 | 768.0 | 617.2 | 609.6 | 602.1 | 662.4 | 701.7 | 935.5 | 679.0 |
| 82.5° | 306.3 | 306.3 | 422.5 | 546.2 | 487.4 | 549.2 | 514.5 | 568.9 | 549.2 | 688.1 | 445.1 |
| 85° | 143.3 | 143.3 | 217.3 | 393.8 | 377.2 | 452.7 | 384.8 | 430.0 | 405.9 | 479.8 | 200.7 |
| 87.5° | 24.1 | 21.1 | 43.8 | 193.1 | 155.4 | 176.5 | 69.4 | 229.4 | 255.0 | 335.0 | 49.8 |
| 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: CCP-SA-1D-827-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5° | 1121.1 | 1110.6 | 1089.4 | 1062.3 | 1039.7 | 1011.0 | 1001.9 | 982.3 | 955.2 | 952.1 | 940.1 |
| 5° | 1056.2 | 1020.0 | 974.8 | 918.9 | 881.2 | 842.0 | 808.8 | 789.2 | 766.5 | 763.5 | 757.5 |
| 7.5° | 985.3 | 940.1 | 864.6 | 798.2 | 733.3 | 671.5 | 641.3 | 603.6 | 577.9 | 558.3 | 549.2 |
| 10° | 918.9 | 876.7 | 783.1 | 692.6 | 635.3 | 594.5 | 558.3 | 519.1 | 487.4 | 463.2 | 454.2 |
| 12.5° | 875.2 | 825.4 | 724.3 | 638.3 | 596.0 | 549.2 | 508.5 | 466.3 | 425.5 | 393.8 | 377.2 |
| 15° | 855.6 | 808.8 | 706.2 | 611.1 | 549.2 | 484.4 | 437.6 | 395.3 | 345.5 | 322.9 | 315.4 |
| 17.5° | 902.3 | 832.9 | 700.1 | 579.4 | 491.9 | 418.0 | 360.6 | 315.4 | 279.2 | 256.5 | 247.5 |
| 20° | 962.7 | 876.7 | 710.7 | 541.7 | 437.6 | 354.6 | 291.2 | 242.9 | 218.8 | 202.2 | 200.7 |
| 22.5° | 1039.7 | 941.6 | 727.3 | 514.5 | 377.2 | 285.2 | 227.8 | 199.2 | 182.6 | 181.1 | 178.1 |
| 25° | 1177.0 | 1059.3 | 754.5 | 478.3 | 328.9 | 235.4 | 194.7 | 178.1 | 170.5 | 166.0 | 169.0 |
| 27.5° | 1294.7 | 1136.2 | 774.1 | 455.7 | 309.3 | 221.8 | 188.6 | 170.5 | 163.0 | 161.5 | 163.0 |
| 30° | 1364.1 | 1207.1 | 768.0 | 413.4 | 270.1 | 211.2 | 200.7 | 194.7 | 179.6 | 167.5 | 167.5 |
| 32.5° | 1427.4 | 1252.4 | 766.5 | 375.7 | 230.9 | 176.5 | 167.5 | 163.0 | 172.0 | 178.1 | 173.5 |
| 35° | 1515.0 | 1323.3 | 762.0 | 354.6 | 214.3 | 163.0 | 147.9 | 135.8 | 129.8 | 126.7 | 131.3 |
| 37.5° | 1608.5 | 1371.6 | 749.9 | 351.6 | 205.2 | 155.4 | 143.3 | 131.3 | 125.2 | 122.2 | 120.7 |
| 40° | 1711.1 | 1422.9 | 736.4 | 336.5 | 200.7 | 150.9 | 138.8 | 128.3 | 120.7 | 116.2 | 114.7 |
| 42.5° | 1777.5 | 1463.7 | 722.8 | 328.9 | 191.6 | 147.9 | 134.3 | 125.2 | 117.7 | 111.7 | 111.7 |
| 45° | 1815.2 | 1511.9 | 709.2 | 321.4 | 181.1 | 149.4 | 134.3 | 122.2 | 113.2 | 110.2 | 107.1 |
| 47.5° | 1831.8 | 1548.2 | 704.7 | 309.3 | 172.0 | 143.3 | 131.3 | 119.2 | 110.2 | 104.1 | 102.6 |
| 50° | 1875.6 | 1625.1 | 721.3 | 300.3 | 161.5 | 137.3 | 138.8 | 117.7 | 108.6 | 101.1 | 99.6 |
| 52.5° | 1901.2 | 1687.0 | 757.5 | 286.7 | 153.9 | 129.8 | 135.8 | 114.7 | 104.1 | 96.6 | 96.6 |
| 55° | 1994.8 | 1789.6 | 796.7 | 276.1 | 144.9 | 119.2 | 125.2 | 108.6 | 96.6 | 92.0 | 92.0 |
| 57.5° | 2114.0 | 1898.2 | 829.9 | 271.6 | 138.8 | 111.7 | 111.7 | 105.6 | 92.0 | 86.0 | 84.5 |
| 60° | 2197.0 | 1987.3 | 849.5 | 268.6 | 132.8 | 104.1 | 99.6 | 105.6 | 87.5 | 81.5 | 80.0 |
| 62.5° | 2206.1 | 1936.0 | 829.9 | 267.1 | 131.3 | 96.6 | 90.5 | 101.1 | 83.0 | 77.0 | 73.9 |
| 65° | 2148.7 | 1831.8 | 775.6 | 261.0 | 129.8 | 89.0 | 84.5 | 87.5 | 77.0 | 72.4 | 69.4 |
| 67.5° | 2034.0 | 1662.8 | 697.1 | 258.0 | 128.3 | 83.0 | 77.0 | 75.4 | 70.9 | 66.4 | 63.4 |
| 70° | 1767.0 | 1442.5 | 605.1 | 244.4 | 125.2 | 78.5 | 69.4 | 67.9 | 63.4 | 60.4 | 58.8 |
| 72.5° | 1483.3 | 1180.0 | 499.5 | 226.3 | 119.2 | 70.9 | 63.4 | 60.4 | 58.8 | 54.3 | 52.8 |
| 75° | 1136.2 | 908.4 | 399.9 | 200.7 | 104.1 | 63.4 | 55.8 | 52.8 | 51.3 | 48.3 | 46.8 |
| 77.5° | 798.2 | 676.0 | 295.7 | 163.0 | 87.5 | 57.3 | 49.8 | 46.8 | 45.3 | 40.7 | 40.7 |
| 80° | 541.7 | 473.8 | 200.7 | 113.2 | 67.9 | 46.8 | 43.8 | 40.7 | 37.7 | 34.7 | 34.7 |
| 82.5° | 336.5 | 332.0 | 144.9 | 73.9 | 49.8 | 37.7 | 34.7 | 34.7 | 30.2 | 27.2 | 27.2 |
| 85° | 153.9 | 203.7 | 101.1 | 51.3 | 37.7 | 28.7 | 28.7 | 27.2 | 24.1 | 19.6 | 19.6 |
| 87.5° | 48.3 | 67.9 | 52.8 | 22.6 | 21.1 | 16.6 | 16.6 | 15.1 | 15.1 | 12.1 | 12.1 |
| 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: CCP-SA-1D-827-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5° | 952.1 | 950.6 | 950.6 | 944.6 | 959.7 | 959.7 | 968.7 | 961.2 | 965.7 | 967.2 | 979.3 |
| 5° | 756.0 | 768.0 | 777.1 | 795.2 | 805.8 | 810.3 | 810.3 | 822.4 | 817.8 | 826.9 | 845.0 |
| 7.5° | 553.8 | 568.9 | 596.0 | 618.7 | 636.8 | 642.8 | 641.3 | 644.3 | 648.8 | 638.3 | 641.3 |
| 10° | 448.2 | 437.6 | 446.6 | 467.8 | 484.4 | 504.0 | 488.9 | 487.4 | 491.9 | 487.4 | 496.4 |
| 12.5° | 374.2 | 362.1 | 354.6 | 354.6 | 366.7 | 375.7 | 371.2 | 378.7 | 395.3 | 399.9 | 410.4 |
| 15° | 303.3 | 292.7 | 286.7 | 279.2 | 291.2 | 294.2 | 298.8 | 309.3 | 321.4 | 327.4 | 339.5 |
| 17.5° | 242.9 | 242.9 | 242.9 | 236.9 | 241.4 | 246.0 | 247.5 | 261.0 | 262.6 | 268.6 | 273.1 |
| 20° | 199.2 | 203.7 | 211.2 | 214.3 | 218.8 | 218.8 | 215.8 | 223.3 | 217.3 | 221.8 | 224.8 |
| 22.5° | 179.6 | 185.6 | 188.6 | 190.1 | 196.2 | 197.7 | 190.1 | 191.6 | 193.1 | 188.6 | 190.1 |
| 25° | 169.0 | 172.0 | 169.0 | 170.5 | 172.0 | 169.0 | 170.5 | 173.5 | 172.0 | 175.0 | 173.5 |
| 27.5° | 164.5 | 161.5 | 159.9 | 158.4 | 158.4 | 155.4 | 156.9 | 156.9 | 159.9 | 161.5 | 161.5 |
| 30° | 164.5 | 159.9 | 153.9 | 149.4 | 149.4 | 144.9 | 147.9 | 150.9 | 152.4 | 155.4 | 155.4 |
| 32.5° | 169.0 | 159.9 | 149.4 | 144.9 | 140.3 | 137.3 | 140.3 | 144.9 | 150.9 | 152.4 | 153.9 |
| 35° | 134.3 | 138.8 | 137.3 | 131.3 | 129.8 | 129.8 | 128.3 | 128.3 | 123.7 | 123.7 | 122.2 |
| 37.5° | 120.7 | 119.2 | 122.2 | 123.7 | 125.2 | 120.7 | 120.7 | 114.7 | 113.2 | 114.7 | 114.7 |
| 40° | 113.2 | 113.2 | 113.2 | 117.7 | 119.2 | 116.2 | 111.7 | 108.6 | 108.6 | 108.6 | 110.2 |
| 42.5° | 110.2 | 107.1 | 105.6 | 108.6 | 113.2 | 110.2 | 105.6 | 104.1 | 104.1 | 105.6 | 105.6 |
| 45° | 105.6 | 104.1 | 102.6 | 101.1 | 107.1 | 102.6 | 101.1 | 99.6 | 99.6 | 99.6 | 101.1 |
| 47.5° | 101.1 | 99.6 | 96.6 | 96.6 | 98.1 | 96.6 | 95.1 | 95.1 | 95.1 | 98.1 | 98.1 |
| 50° | 98.1 | 96.6 | 93.6 | 93.6 | 93.6 | 93.6 | 92.0 | 92.0 | 92.0 | 93.6 | 95.1 |
| 52.5° | 93.6 | 92.0 | 90.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 90.5 | 92.0 |
| 55° | 89.0 | 87.5 | 86.0 | 86.0 | 87.5 | 87.5 | 86.0 | 87.5 | 86.0 | 87.5 | 89.0 |
| 57.5° | 84.5 | 83.0 | 81.5 | 83.0 | 84.5 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 84.5 |
| 60° | 78.5 | 78.5 | 78.5 | 78.5 | 81.5 | 81.5 | 81.5 | 81.5 | 78.5 | 80.0 | 81.5 |
| 62.5° | 75.4 | 73.9 | 73.9 | 75.4 | 77.0 | 77.0 | 78.5 | 77.0 | 75.4 | 77.0 | 77.0 |
| 65° | 69.4 | 69.4 | 69.4 | 70.9 | 70.9 | 72.4 | 72.4 | 72.4 | 70.9 | 72.4 | 72.4 |
| 67.5° | 64.9 | 64.9 | 64.9 | 64.9 | 67.9 | 67.9 | 67.9 | 67.9 | 66.4 | 66.4 | 67.9 |
| 70° | 57.3 | 58.8 | 57.3 | 60.4 | 63.4 | 61.9 | 63.4 | 63.4 | 61.9 | 60.4 | 63.4 |
| 72.5° | 52.8 | 52.8 | 52.8 | 52.8 | 57.3 | 57.3 | 57.3 | 58.8 | 57.3 | 55.8 | 57.3 |
| 75° | 46.8 | 46.8 | 46.8 | 48.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 49.8 | 49.8 |
| 77.5° | 40.7 | 42.2 | 40.7 | 42.2 | 45.3 | 43.8 | 45.3 | 46.8 | 45.3 | 43.8 | 43.8 |
| 80° | 34.7 | 34.7 | 34.7 | 36.2 | 37.7 | 37.7 | 37.7 | 39.2 | 37.7 | 36.2 | 36.2 |
| 82.5° | 27.2 | 27.2 | 28.7 | 28.7 | 30.2 | 30.2 | 30.2 | 31.7 | 30.2 | 28.7 | 28.7 |
| 85° | 21.1 | 21.1 | 21.1 | 22.6 | 22.6 | 24.1 | 24.1 | 25.7 | 25.7 | 24.1 | 24.1 |
| 87.5° | 13.6 | 12.1 | 13.6 | 13.6 | 15.1 | 15.1 | 13.6 | 12.1 | 13.6 | 12.1 | 10.6 |
| 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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| 37.5° | 117.7 | 125.2 | 137.3 | 164.5 | 256.5 | 446.6 | 995.9 | 1617.6 | 1730.7 | 1739.8 |
| 40° | 114.7 | 120.7 | 129.8 | 152.4 | 239.9 | 416.5 | 1004.9 | 1714.1 | 1862.0 | 1849.9 |
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| 47.5° | 101.1 | 110.2 | 119.2 | 141.8 | 193.1 | 354.6 | 953.6 | 1846.9 | 2022.0 | 2014.4 |
| 50° | 99.6 | 108.6 | 123.7 | 134.3 | 182.6 | 345.5 | 947.6 | 1914.8 | 2043.1 | 2041.6 |
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| 70° | 66.4 | 67.9 | 67.9 | 72.4 | 114.7 | 239.9 | 725.8 | 1401.8 | 1652.3 | 1706.6 |
| 72.5° | 60.4 | 60.4 | 60.4 | 66.4 | 105.6 | 220.3 | 597.5 | 1077.4 | 1373.1 | 1410.8 |
| 75° | 52.8 | 52.8 | 52.8 | 58.8 | 95.1 | 200.7 | 470.8 | 801.2 | 1011.0 | 1065.3 |
| 77.5° | 46.8 | 46.8 | 45.3 | 52.8 | 83.0 | 163.0 | 339.5 | 565.8 | 712.2 | 757.5 |
| 80° | 39.2 | 37.7 | 37.7 | 42.2 | 64.9 | 117.7 | 218.8 | 399.9 | 496.4 | 516.1 |
| 82.5° | 31.7 | 30.2 | 28.7 | 31.7 | 46.8 | 73.9 | 135.8 | 279.2 | 318.4 | 306.3 |
| 85° | 30.2 | 31.7 | 25.7 | 24.1 | 33.2 | 48.3 | 86.0 | 172.0 | 143.3 | 143.3 |
| 87.5° | 12.1 | 10.6 | 10.6 | 9.1 | 16.6 | 18.1 | 37.7 | 31.7 | 24.1 | 24.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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