

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: P673080

Luminaire Tested: **CCP-SA-2A-722-U-T2-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673080
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-722-U-T2-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2 distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3111.6 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

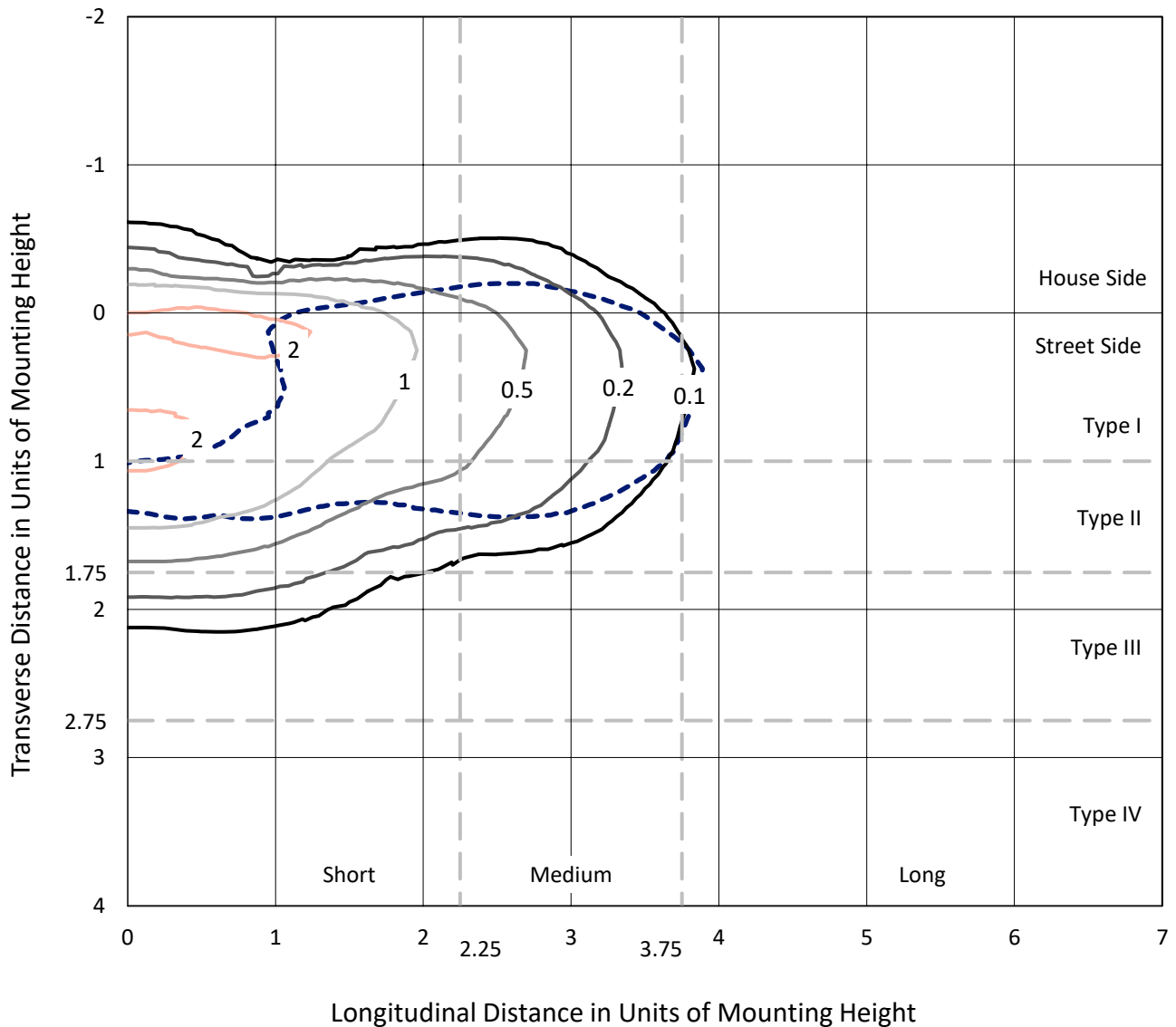
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P673080
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Iso-Footcandle Lines of Horizontal Illumination

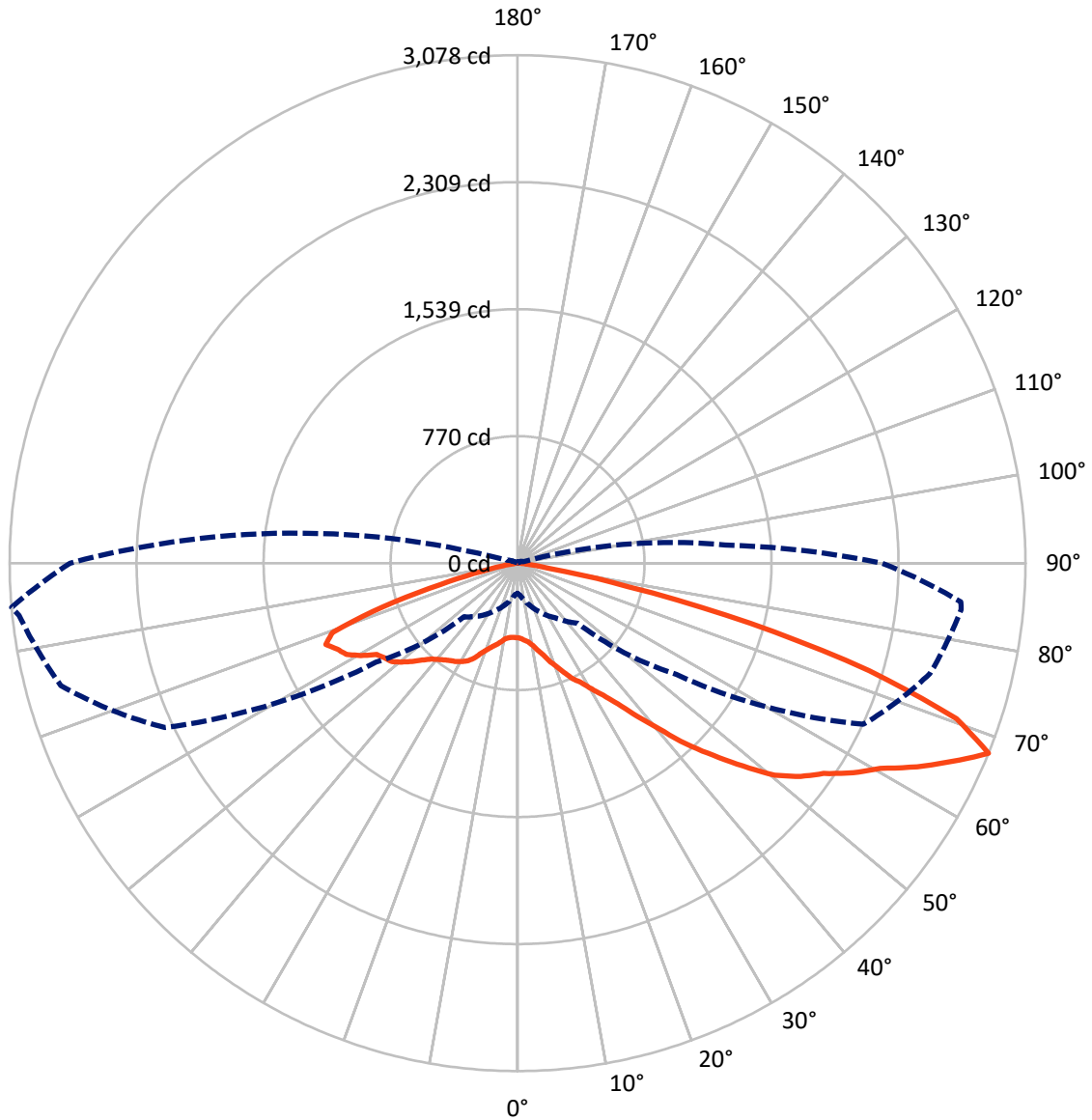
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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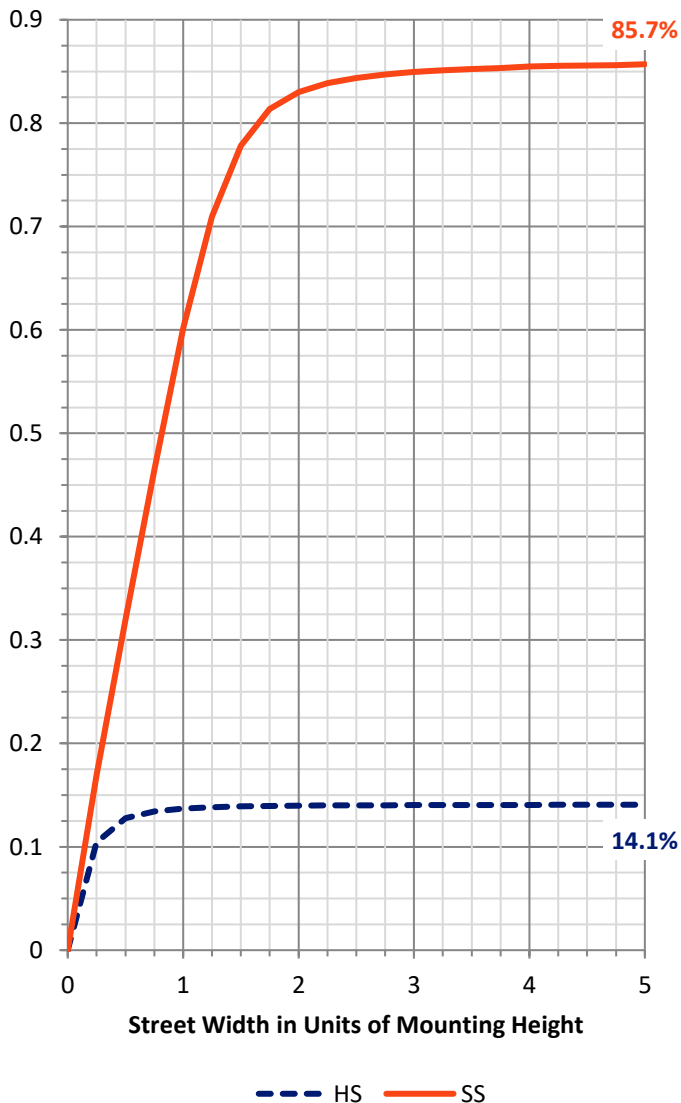
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 442.1 | 0.0 | 442.1 |
| | % Fixture | 14.2 | 0.0 | 14.2 |
| Street Side | Lumens | 2669.6 | 0.0 | 2669.6 |
| | % Fixture | 85.8 | 0.0 | 85.8 |
| Total | Lumens | 3111.6 | 0.0 | 3111.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 41.3 | 1.3 |
| 10°-20° | 110.9 | 3.6 |
| 20°-30° | 184.2 | 5.9 |
| 30°-40° | 317.0 | 10.2 |
| 40°-50° | 569.6 | 18.3 |
| 50°-60° | 811.0 | 26.1 |
| 60°-70° | 739.3 | 23.8 |
| 70°-80° | 314.8 | 10.1 |
| 80°-90° | 23.4 | 0.8 |
| 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° | 3111.6 | 100.0 |
| 0°-180° | 3111.6 | 100.0 |



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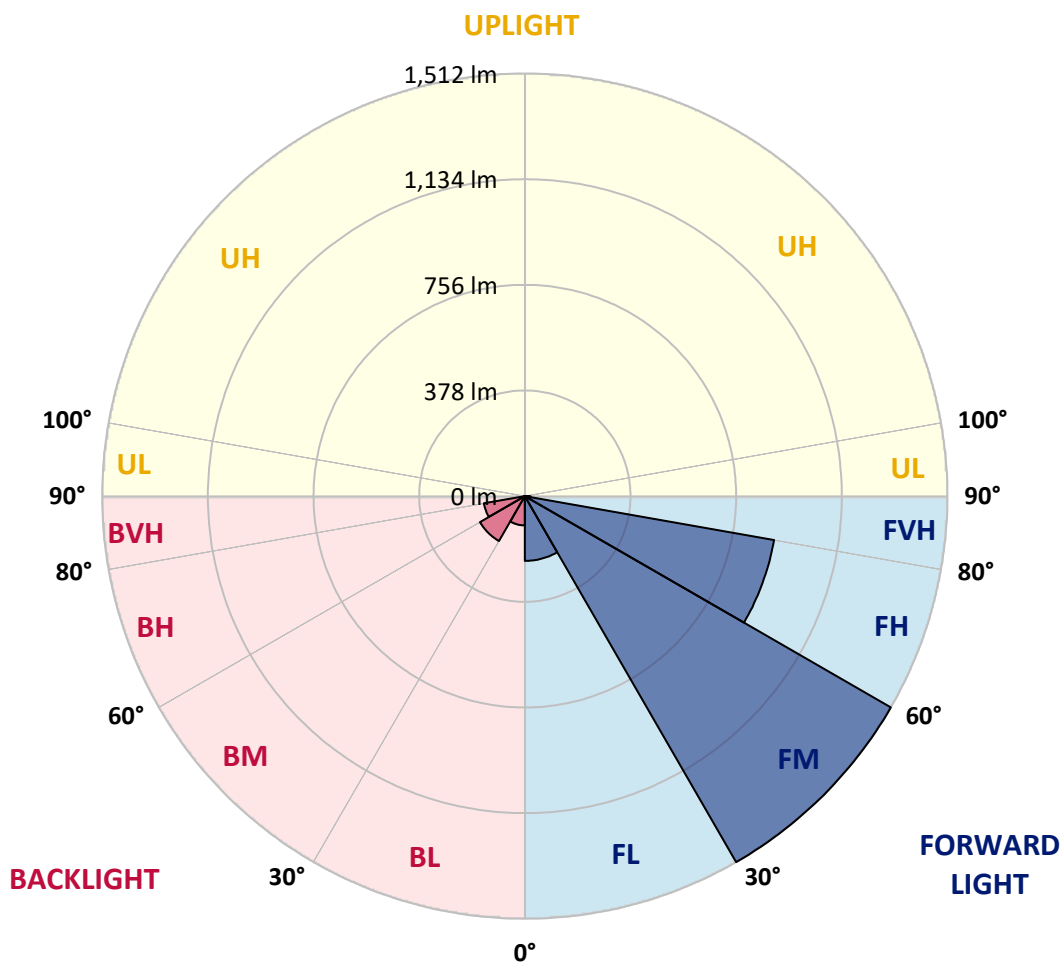
CATALOG NUMBER: CCP-SA-2A-722-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 231.8 | 7.4 | | | |
| FM (30°-60°) | 1512.3 | 48.6 | | | |
| FH (60°-80°) | 905.6 | 29.1 | | | G1/1800 |
| FVH (80°-90°) | 19.9 | 0.6 | | | G1/100 |
| BL (0°-30°) | 104.6 | 3.4 | B0/110 | | |
| BM (30°-60°) | 185.3 | 6.0 | B0/220 | | |
| BH (60°-80°) | 148.5 | 4.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.5 | 0.1 | | | 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 II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 84° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 |
| 2.5° | 468.8 | 473.2 | 473.2 | 471.8 | 467.3 | 464.3 | 462.9 | 459.9 | 456.9 | 456.9 | 458.4 |
| 5° | 473.2 | 468.8 | 474.7 | 467.3 | 467.3 | 467.3 | 473.2 | 470.3 | 468.8 | 461.4 | 461.4 |
| 7.5° | 473.2 | 468.8 | 468.8 | 473.2 | 468.8 | 471.8 | 479.2 | 476.2 | 482.1 | 468.8 | 471.8 |
| 10° | 459.9 | 458.4 | 461.4 | 467.3 | 468.8 | 474.7 | 482.1 | 497.0 | 498.5 | 489.6 | 488.1 |
| 12.5° | 433.2 | 431.7 | 442.1 | 445.1 | 462.9 | 477.7 | 499.9 | 511.8 | 525.2 | 520.7 | 511.8 |
| 15° | 413.9 | 416.9 | 424.3 | 436.2 | 452.5 | 479.2 | 504.4 | 531.1 | 554.8 | 548.9 | 545.9 |
| 17.5° | 421.3 | 419.8 | 421.3 | 428.7 | 449.5 | 476.2 | 519.2 | 550.4 | 584.5 | 584.5 | 587.5 |
| 20° | 443.6 | 448.0 | 446.5 | 442.1 | 452.5 | 474.7 | 519.2 | 574.1 | 630.5 | 626.0 | 626.0 |
| 22.5° | 482.1 | 483.6 | 474.7 | 471.8 | 470.3 | 483.6 | 528.1 | 603.8 | 669.1 | 678.0 | 675.0 |
| 25° | 522.2 | 523.7 | 520.7 | 511.8 | 499.9 | 502.9 | 544.5 | 627.5 | 722.5 | 737.3 | 734.3 |
| 27.5° | 589.0 | 587.5 | 580.1 | 569.7 | 551.9 | 538.5 | 569.7 | 645.3 | 764.0 | 789.2 | 781.8 |
| 30° | 655.7 | 651.3 | 640.9 | 627.5 | 611.2 | 586.0 | 600.8 | 679.5 | 815.9 | 839.7 | 823.4 |
| 32.5° | 737.3 | 728.4 | 731.4 | 710.6 | 676.5 | 636.4 | 633.5 | 710.6 | 857.5 | 891.6 | 878.2 |
| 35° | 841.2 | 830.8 | 815.9 | 796.7 | 764.0 | 710.6 | 694.3 | 761.0 | 927.2 | 952.4 | 952.4 |
| 37.5° | 977.6 | 988.0 | 970.2 | 890.1 | 854.5 | 804.1 | 770.0 | 813.0 | 988.0 | 1048.9 | 1034.0 |
| 40° | 1117.1 | 1126.0 | 1093.4 | 1034.0 | 956.9 | 894.6 | 873.8 | 897.5 | 1080.0 | 1152.7 | 1124.5 |
| 42.5° | 1229.8 | 1241.7 | 1229.8 | 1152.7 | 1091.9 | 1011.8 | 974.7 | 996.9 | 1198.7 | 1286.2 | 1249.1 |
| 45° | 1348.5 | 1360.4 | 1347.0 | 1296.6 | 1237.3 | 1191.3 | 1097.8 | 1126.0 | 1323.3 | 1453.9 | 1412.3 |
| 47.5° | 1437.5 | 1452.4 | 1428.6 | 1418.3 | 1370.8 | 1363.4 | 1204.6 | 1235.8 | 1453.9 | 1623.0 | 1571.1 |
| 50° | 1458.3 | 1474.6 | 1495.4 | 1507.3 | 1490.9 | 1508.7 | 1348.5 | 1375.2 | 1590.3 | 1778.7 | 1728.3 |
| 52.5° | 1409.4 | 1425.7 | 1471.7 | 1526.5 | 1602.2 | 1655.6 | 1493.9 | 1516.2 | 1732.8 | 1907.8 | 1881.1 |
| 55° | 1265.4 | 1280.3 | 1373.7 | 1447.9 | 1628.9 | 1716.4 | 1633.4 | 1726.8 | 1835.1 | 2042.8 | 1977.5 |
| 57.5° | 1023.6 | 1041.4 | 1164.6 | 1278.8 | 1539.9 | 1682.3 | 1716.4 | 1901.9 | 2004.2 | 2142.2 | 2066.6 |
| 60° | 726.9 | 737.3 | 844.1 | 1045.9 | 1293.6 | 1511.7 | 1700.1 | 2032.4 | 2137.8 | 2275.7 | 2235.7 |
| 62.5° | 418.4 | 427.3 | 538.5 | 728.4 | 976.2 | 1262.5 | 1627.4 | 2155.6 | 2281.7 | 2422.6 | 2400.3 |
| 65° | 277.4 | 280.4 | 356.0 | 459.9 | 634.9 | 930.2 | 1443.5 | 2265.3 | 2424.1 | 2539.8 | 2514.6 |
| 67.5° | 182.5 | 198.8 | 258.1 | 329.3 | 406.5 | 514.8 | 1176.4 | 2311.3 | 2587.3 | 2703.0 | 2697.1 |
| 70° | 130.6 | 136.5 | 185.4 | 253.7 | 305.6 | 289.3 | 688.4 | 1986.4 | 2579.9 | 2747.5 | 2698.5 |
| 72.5° | 77.1 | 83.1 | 123.1 | 189.9 | 240.3 | 184.0 | 321.9 | 1404.9 | 2137.8 | 2192.7 | 2179.3 |
| 75° | 56.4 | 56.4 | 75.7 | 136.5 | 175.1 | 132.0 | 151.3 | 888.6 | 1419.7 | 1541.4 | 1539.9 |
| 77.5° | 40.1 | 41.5 | 51.9 | 81.6 | 135.0 | 96.4 | 83.1 | 494.0 | 775.9 | 848.6 | 808.5 |
| 80° | 23.7 | 25.2 | 35.6 | 49.0 | 97.9 | 69.7 | 54.9 | 225.5 | 298.2 | 301.2 | 286.3 |
| 82.5° | 17.8 | 17.8 | 23.7 | 34.1 | 68.2 | 47.5 | 34.1 | 86.0 | 96.4 | 87.5 | 74.2 |
| 85° | 10.4 | 8.9 | 17.8 | 25.2 | 40.1 | 26.7 | 23.7 | 40.1 | 44.5 | 32.6 | 29.7 |
| 87.5° | 3.0 | 3.0 | 7.4 | 8.9 | 17.8 | 14.8 | 10.4 | 14.8 | 20.8 | 11.9 | 8.9 |
| 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° | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 |
| 2.5° | 455.4 | 451.0 | 443.6 | 440.6 | 430.2 | 425.8 | 422.8 | 415.4 | 416.9 | 412.4 | 412.4 |
| 5° | 451.0 | 451.0 | 436.2 | 419.8 | 403.5 | 393.1 | 381.3 | 366.4 | 366.4 | 360.5 | 362.0 |
| 7.5° | 467.3 | 455.4 | 436.2 | 406.5 | 379.8 | 356.0 | 345.7 | 330.8 | 321.9 | 317.5 | 317.5 |
| 10° | 477.7 | 465.8 | 433.2 | 397.6 | 363.5 | 333.8 | 311.5 | 290.8 | 278.9 | 278.9 | 277.4 |
| 12.5° | 505.9 | 488.1 | 445.1 | 396.1 | 345.7 | 301.2 | 267.0 | 243.3 | 227.0 | 215.1 | 218.1 |
| 15° | 529.6 | 510.3 | 451.0 | 384.2 | 314.5 | 252.2 | 210.7 | 166.2 | 143.9 | 132.0 | 127.6 |
| 17.5° | 566.7 | 531.1 | 464.3 | 363.5 | 267.0 | 197.3 | 136.5 | 99.4 | 90.5 | 89.0 | 89.0 |
| 20° | 597.9 | 556.3 | 465.8 | 323.4 | 219.6 | 126.1 | 87.5 | 81.6 | 77.1 | 75.7 | 74.2 |
| 22.5° | 640.9 | 589.0 | 459.9 | 277.4 | 157.3 | 84.6 | 74.2 | 68.2 | 65.3 | 60.8 | 60.8 |
| 25° | 685.4 | 632.0 | 448.0 | 234.4 | 96.4 | 72.7 | 65.3 | 59.3 | 53.4 | 50.4 | 51.9 |
| 27.5° | 732.9 | 664.6 | 413.9 | 182.5 | 74.2 | 63.8 | 53.4 | 49.0 | 46.0 | 44.5 | 44.5 |
| 30° | 771.4 | 685.4 | 363.5 | 121.6 | 66.8 | 56.4 | 47.5 | 43.0 | 40.1 | 38.6 | 38.6 |
| 32.5° | 799.6 | 703.2 | 307.1 | 81.6 | 60.8 | 50.4 | 43.0 | 38.6 | 35.6 | 34.1 | 34.1 |
| 35° | 847.1 | 716.5 | 255.2 | 69.7 | 54.9 | 44.5 | 37.1 | 34.1 | 31.2 | 31.2 | 31.2 |
| 37.5° | 919.8 | 734.3 | 203.2 | 63.8 | 50.4 | 40.1 | 35.6 | 31.2 | 29.7 | 28.2 | 28.2 |
| 40° | 983.6 | 756.6 | 145.4 | 57.9 | 46.0 | 37.1 | 31.2 | 28.2 | 26.7 | 25.2 | 25.2 |
| 42.5° | 1075.6 | 781.8 | 94.9 | 51.9 | 41.5 | 34.1 | 28.2 | 25.2 | 23.7 | 22.3 | 22.3 |
| 45° | 1192.8 | 823.4 | 74.2 | 46.0 | 37.1 | 31.2 | 26.7 | 23.7 | 20.8 | 20.8 | 19.3 |
| 47.5° | 1317.4 | 873.8 | 66.8 | 43.0 | 34.1 | 28.2 | 23.7 | 20.8 | 19.3 | 17.8 | 17.8 |
| 50° | 1433.1 | 922.8 | 62.3 | 40.1 | 31.2 | 26.7 | 22.3 | 19.3 | 16.3 | 14.8 | 14.8 |
| 52.5° | 1536.9 | 968.7 | 59.3 | 37.1 | 29.7 | 23.7 | 19.3 | 16.3 | 14.8 | 13.4 | 13.4 |
| 55° | 1591.8 | 989.5 | 57.9 | 35.6 | 26.7 | 22.3 | 17.8 | 14.8 | 13.4 | 11.9 | 11.9 |
| 57.5° | 1677.9 | 1016.2 | 56.4 | 34.1 | 25.2 | 19.3 | 16.3 | 13.4 | 11.9 | 10.4 | 10.4 |
| 60° | 1817.3 | 1103.7 | 54.9 | 32.6 | 23.7 | 19.3 | 14.8 | 11.9 | 8.9 | 7.4 | 7.4 |
| 62.5° | 1933.0 | 1176.4 | 49.0 | 28.2 | 20.8 | 16.3 | 11.9 | 8.9 | 5.9 | 4.5 | 4.5 |
| 65° | 2065.1 | 1210.6 | 43.0 | 25.2 | 17.8 | 13.4 | 8.9 | 5.9 | 4.5 | 1.5 | 1.5 |
| 67.5° | 2209.0 | 1262.5 | 35.6 | 22.3 | 16.3 | 10.4 | 7.4 | 4.5 | 1.5 | 0.0 | 0.0 |
| 70° | 2133.3 | 1197.2 | 29.7 | 19.3 | 14.8 | 8.9 | 5.9 | 3.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1671.9 | 857.5 | 23.7 | 17.8 | 13.4 | 8.9 | 5.9 | 1.5 | 0.0 | 0.0 | 0.0 |
| 75° | 1117.1 | 485.1 | 20.8 | 14.8 | 10.4 | 7.4 | 4.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 77.5° | 606.8 | 218.1 | 17.8 | 13.4 | 8.9 | 5.9 | 4.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 80° | 197.3 | 86.0 | 14.8 | 11.9 | 8.9 | 5.9 | 4.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 82.5° | 53.4 | 26.7 | 14.8 | 11.9 | 8.9 | 5.9 | 4.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 85° | 22.3 | 17.8 | 14.8 | 11.9 | 8.9 | 5.9 | 4.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 87.5° | 8.9 | 5.9 | 5.9 | 7.4 | 5.9 | 4.5 | 3.0 | 1.5 | 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 |



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 CATALOG NUMBER: CCP-SA-2A-722-U-T2-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 | 452.5 |
| 2.5° | 413.9 | 416.9 | 418.4 | 418.4 | 425.8 | 433.2 | 442.1 | 449.5 | 449.5 | 454.0 | 458.4 |
| 5° | 363.5 | 366.4 | 370.9 | 384.2 | 399.1 | 415.4 | 431.7 | 443.6 | 459.9 | 467.3 | 471.8 |
| 7.5° | 321.9 | 324.9 | 336.8 | 350.1 | 370.9 | 399.1 | 427.3 | 454.0 | 470.3 | 477.7 | 483.6 |
| 10° | 278.9 | 283.4 | 296.7 | 320.4 | 347.1 | 381.3 | 413.9 | 459.9 | 486.6 | 501.4 | 507.4 |
| 12.5° | 216.6 | 228.5 | 246.3 | 271.5 | 305.6 | 357.5 | 418.4 | 465.8 | 511.8 | 529.6 | 541.5 |
| 15° | 136.5 | 146.9 | 175.1 | 215.1 | 261.1 | 321.9 | 406.5 | 474.7 | 538.5 | 556.3 | 575.6 |
| 17.5° | 87.5 | 89.0 | 97.9 | 140.9 | 200.3 | 277.4 | 388.7 | 488.1 | 568.2 | 593.4 | 623.1 |
| 20° | 74.2 | 77.1 | 78.6 | 84.6 | 133.5 | 228.5 | 351.6 | 504.4 | 603.8 | 637.9 | 666.1 |
| 22.5° | 62.3 | 63.8 | 66.8 | 71.2 | 80.1 | 166.2 | 301.2 | 504.4 | 634.9 | 685.4 | 718.0 |
| 25° | 50.4 | 53.4 | 56.4 | 60.8 | 69.7 | 103.8 | 249.2 | 495.5 | 672.0 | 734.3 | 775.9 |
| 27.5° | 44.5 | 44.5 | 47.5 | 51.9 | 59.3 | 72.7 | 197.3 | 468.8 | 700.2 | 764.0 | 818.9 |
| 30° | 38.6 | 40.1 | 41.5 | 46.0 | 53.4 | 63.8 | 136.5 | 425.8 | 729.9 | 821.9 | 884.2 |
| 32.5° | 34.1 | 34.1 | 37.1 | 40.1 | 47.5 | 57.9 | 87.5 | 360.5 | 768.5 | 866.4 | 953.9 |
| 35° | 31.2 | 31.2 | 32.6 | 35.6 | 43.0 | 51.9 | 68.2 | 305.6 | 814.5 | 950.9 | 1047.4 |
| 37.5° | 28.2 | 28.2 | 29.7 | 32.6 | 38.6 | 46.0 | 62.3 | 262.6 | 861.9 | 1035.5 | 1176.4 |
| 40° | 25.2 | 25.2 | 26.7 | 29.7 | 34.1 | 41.5 | 56.4 | 212.1 | 921.3 | 1160.1 | 1317.4 |
| 42.5° | 22.3 | 22.3 | 23.7 | 26.7 | 31.2 | 37.1 | 49.0 | 158.7 | 999.9 | 1295.1 | 1499.8 |
| 45° | 19.3 | 19.3 | 20.8 | 23.7 | 26.7 | 34.1 | 44.5 | 121.6 | 1085.9 | 1445.0 | 1660.1 |
| 47.5° | 16.3 | 17.8 | 19.3 | 22.3 | 25.2 | 31.2 | 40.1 | 106.8 | 1170.5 | 1603.7 | 1838.1 |
| 50° | 14.8 | 14.8 | 16.3 | 19.3 | 23.7 | 28.2 | 37.1 | 105.3 | 1256.5 | 1725.3 | 2020.6 |
| 52.5° | 13.4 | 13.4 | 14.8 | 17.8 | 22.3 | 26.7 | 35.6 | 108.3 | 1327.8 | 1838.1 | 2148.1 |
| 55° | 11.9 | 11.9 | 13.4 | 14.8 | 19.3 | 25.2 | 32.6 | 111.3 | 1378.2 | 1952.3 | 2250.5 |
| 57.5° | 10.4 | 10.4 | 11.9 | 14.8 | 17.8 | 22.3 | 29.7 | 114.2 | 1459.8 | 2065.1 | 2398.9 |
| 60° | 7.4 | 7.4 | 10.4 | 13.4 | 16.3 | 19.3 | 28.2 | 117.2 | 1590.3 | 2220.8 | 2525.0 |
| 62.5° | 4.5 | 4.5 | 5.9 | 10.4 | 13.4 | 17.8 | 25.2 | 111.3 | 1712.0 | 2421.1 | 2717.8 |
| 65° | 1.5 | 3.0 | 4.5 | 5.9 | 10.4 | 14.8 | 20.8 | 100.9 | 1814.4 | 2621.4 | 2895.8 |
| 67.5° | 0.0 | 0.0 | 1.5 | 4.5 | 8.9 | 11.9 | 17.8 | 74.2 | 1830.7 | 2711.9 | 3078.3 |
| 70° | 0.0 | 0.0 | 1.5 | 4.5 | 7.4 | 11.9 | 16.3 | 41.5 | 1559.2 | 2422.6 | 2821.7 |
| 72.5° | 0.0 | 0.0 | 0.0 | 3.0 | 7.4 | 10.4 | 14.8 | 31.2 | 1149.7 | 1826.2 | 2229.7 |
| 75° | 0.0 | 0.0 | 0.0 | 1.5 | 5.9 | 8.9 | 13.4 | 23.7 | 698.7 | 1218.0 | 1455.3 |
| 77.5° | 0.0 | 0.0 | 0.0 | 1.5 | 4.5 | 8.9 | 13.4 | 20.8 | 246.3 | 580.1 | 683.9 |
| 80° | 0.0 | 0.0 | 0.0 | 3.0 | 5.9 | 8.9 | 11.9 | 17.8 | 59.3 | 145.4 | 195.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 1.5 | 4.5 | 7.4 | 10.4 | 14.8 | 23.7 | 43.0 | 68.2 |
| 85° | 0.0 | 0.0 | 0.0 | 1.5 | 3.0 | 7.4 | 10.4 | 13.4 | 16.3 | 20.8 | 29.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.0 | 4.5 | 5.9 | 5.9 | 5.9 | 10.4 |
| 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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| 50° | 2041.3 | 1768.4 | 1590.3 | 1534.0 | 1646.7 | 1594.8 | 1554.7 | 1528.0 | 1480.6 | 1458.3 |
| 52.5° | 2210.5 | 1878.1 | 1735.7 | 1677.9 | 1795.1 | 1657.1 | 1584.4 | 1502.8 | 1433.1 | 1409.4 |
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| 57.5° | 2407.8 | 2180.8 | 2127.4 | 1904.8 | 1772.8 | 1550.3 | 1301.1 | 1166.1 | 1038.5 | 1023.6 |
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| 70° | 2839.5 | 2630.3 | 1864.8 | 599.3 | 267.0 | 295.2 | 244.8 | 169.1 | 133.5 | 130.6 |
| 72.5° | 2268.3 | 1952.3 | 1255.1 | 281.9 | 166.2 | 231.4 | 178.0 | 114.2 | 80.1 | 77.1 |
| 75° | 1547.3 | 1228.4 | 787.8 | 130.6 | 117.2 | 169.1 | 130.6 | 66.8 | 56.4 | 56.4 |
| 77.5° | 691.3 | 626.0 | 403.5 | 80.1 | 87.5 | 129.1 | 75.7 | 46.0 | 41.5 | 40.1 |
| 80° | 210.7 | 221.0 | 164.7 | 54.9 | 65.3 | 97.9 | 46.0 | 31.2 | 25.2 | 23.7 |
| 82.5° | 71.2 | 83.1 | 74.2 | 32.6 | 44.5 | 69.7 | 31.2 | 20.8 | 17.8 | 17.8 |
| 85° | 34.1 | 41.5 | 37.1 | 20.8 | 23.7 | 34.1 | 25.2 | 16.3 | 10.4 | 10.4 |
| 87.5° | 13.4 | 19.3 | 13.4 | 8.9 | 13.4 | 17.8 | 10.4 | 7.4 | 3.0 | 3.0 |
| 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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