

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: P673030

Luminaire Tested: **CCP-SA-1B-835-U-T1**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673030
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-835-U-T1
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T1 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

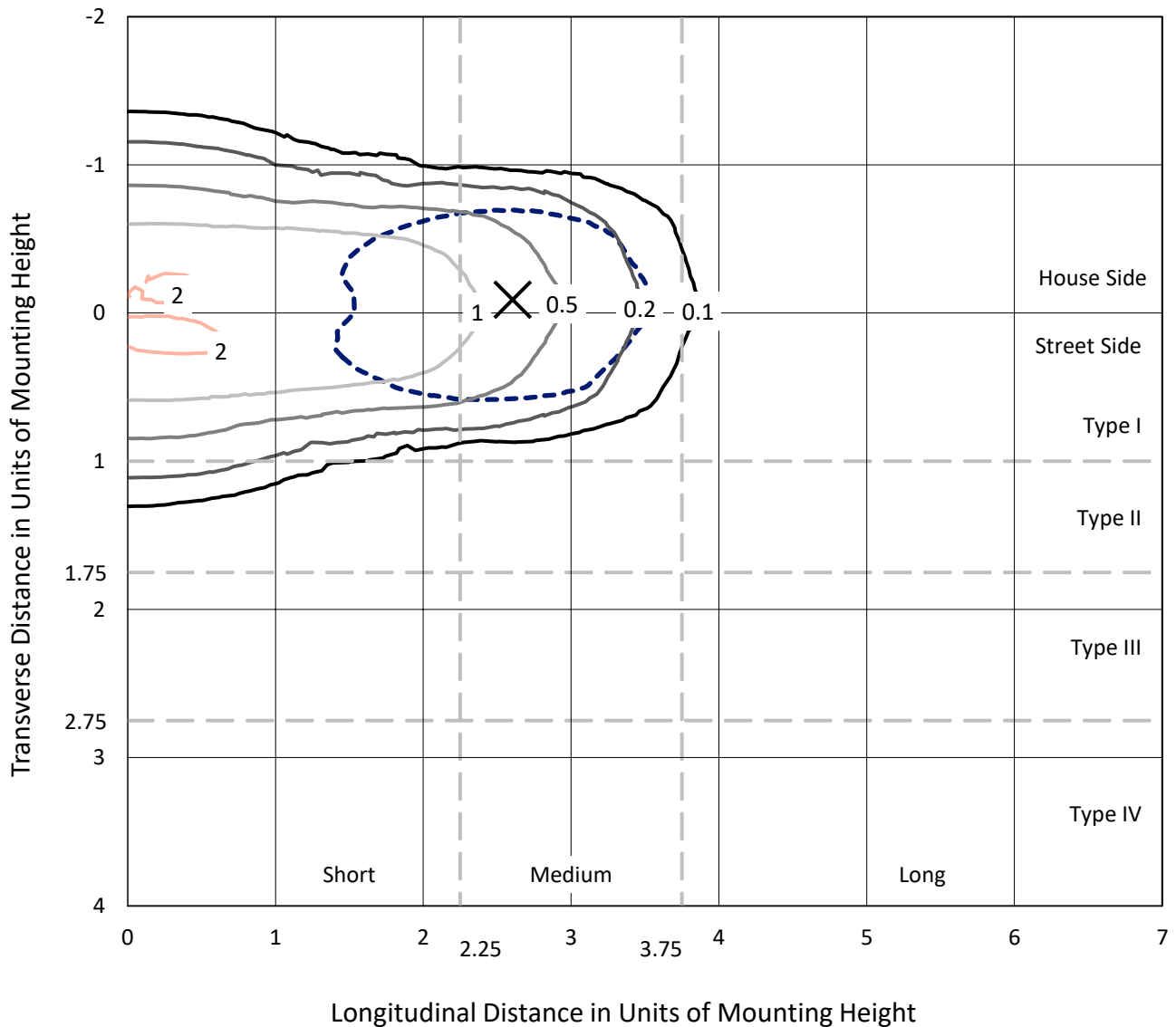
Lumens per Lamp: N/A
Luminaire Lumens: 2771.2 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 24
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

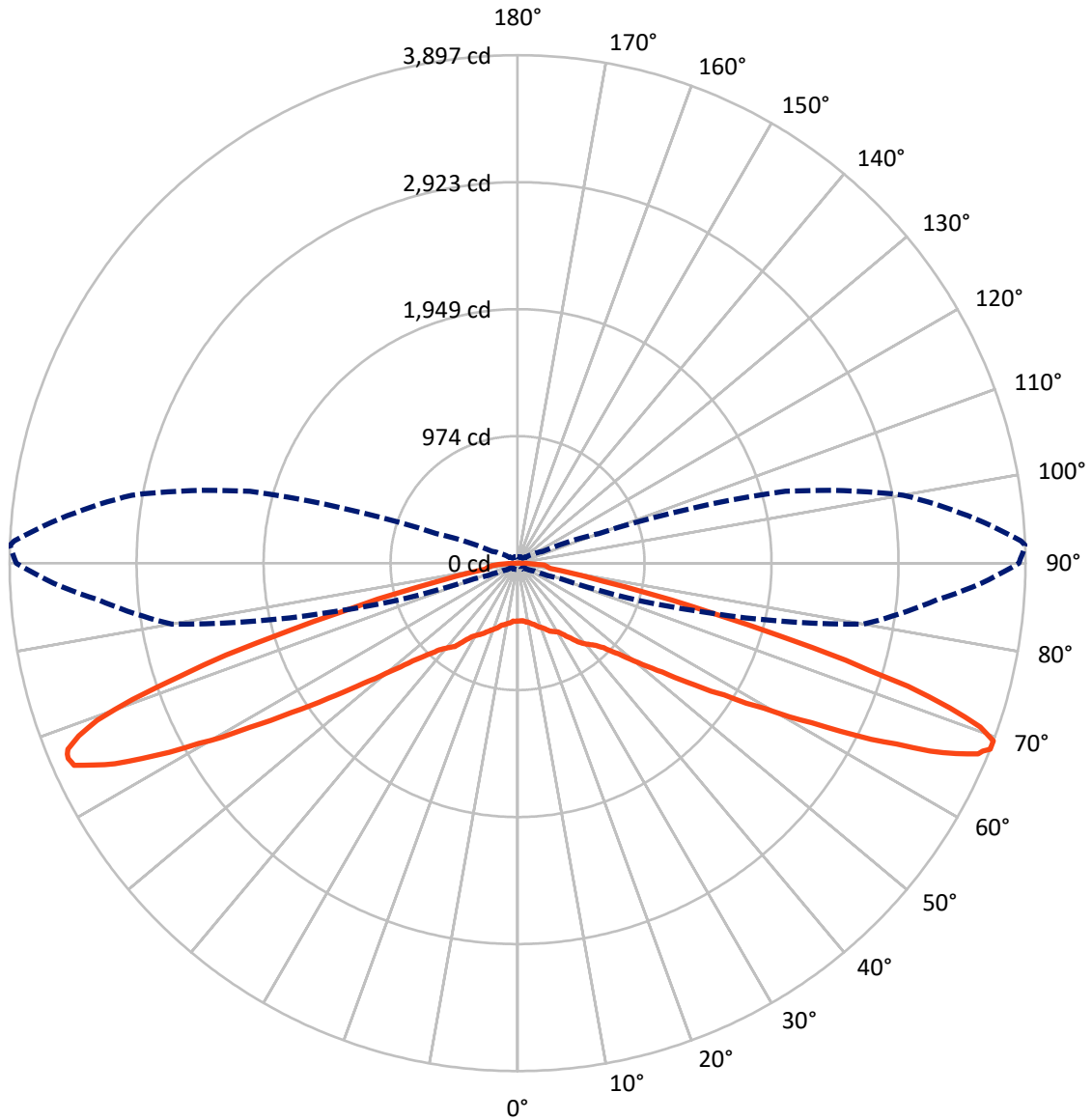
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 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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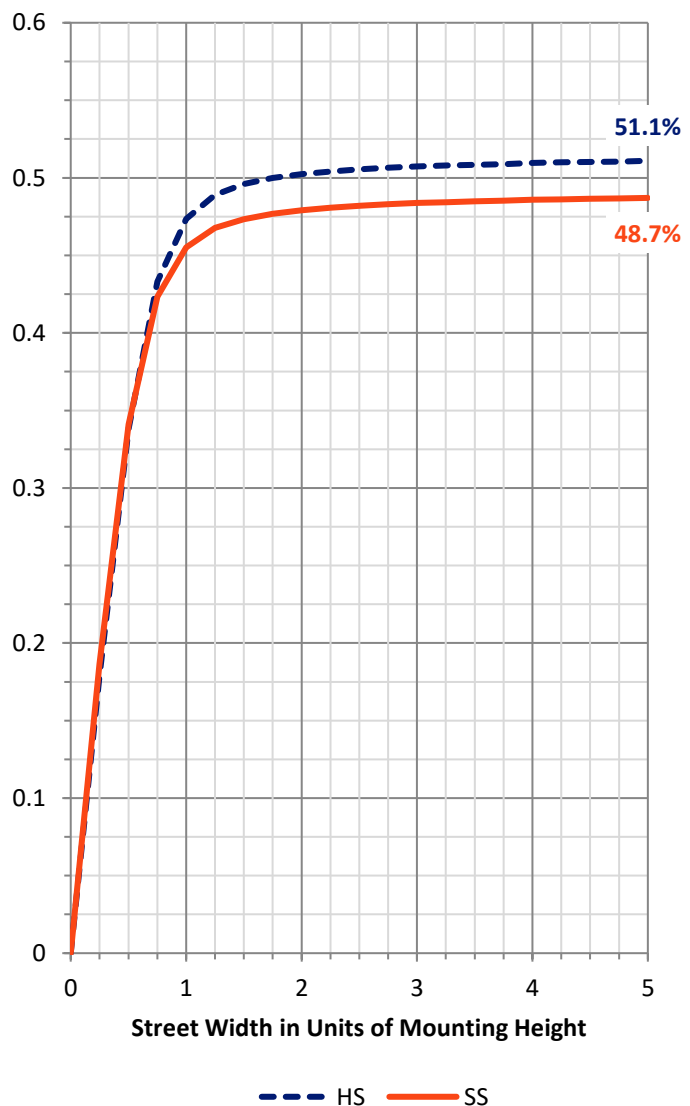
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1427.1 | 0.0 | 1427.1 |
| | % Fixture | 51.5 | 0.0 | 51.5 |
| Street Side | Lumens | 1344.1 | 0.0 | 1344.1 |
| | % Fixture | 48.5 | 0.0 | 48.5 |
| Total | Lumens | 2771.2 | 0.0 | 2771.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.4 | 1.6 |
| 10°-20° | 143.8 | 5.2 |
| 20°-30° | 245.3 | 8.9 |
| 30°-40° | 342.5 | 12.4 |
| 40°-50° | 435.7 | 15.7 |
| 50°-60° | 550.9 | 19.9 |
| 60°-70° | 679.5 | 24.5 |
| 70°-80° | 296.8 | 10.7 |
| 80°-90° | 32.2 | 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° | 2771.2 | 100.0 |
| 0°-180° | 2771.2 | 100.0 |



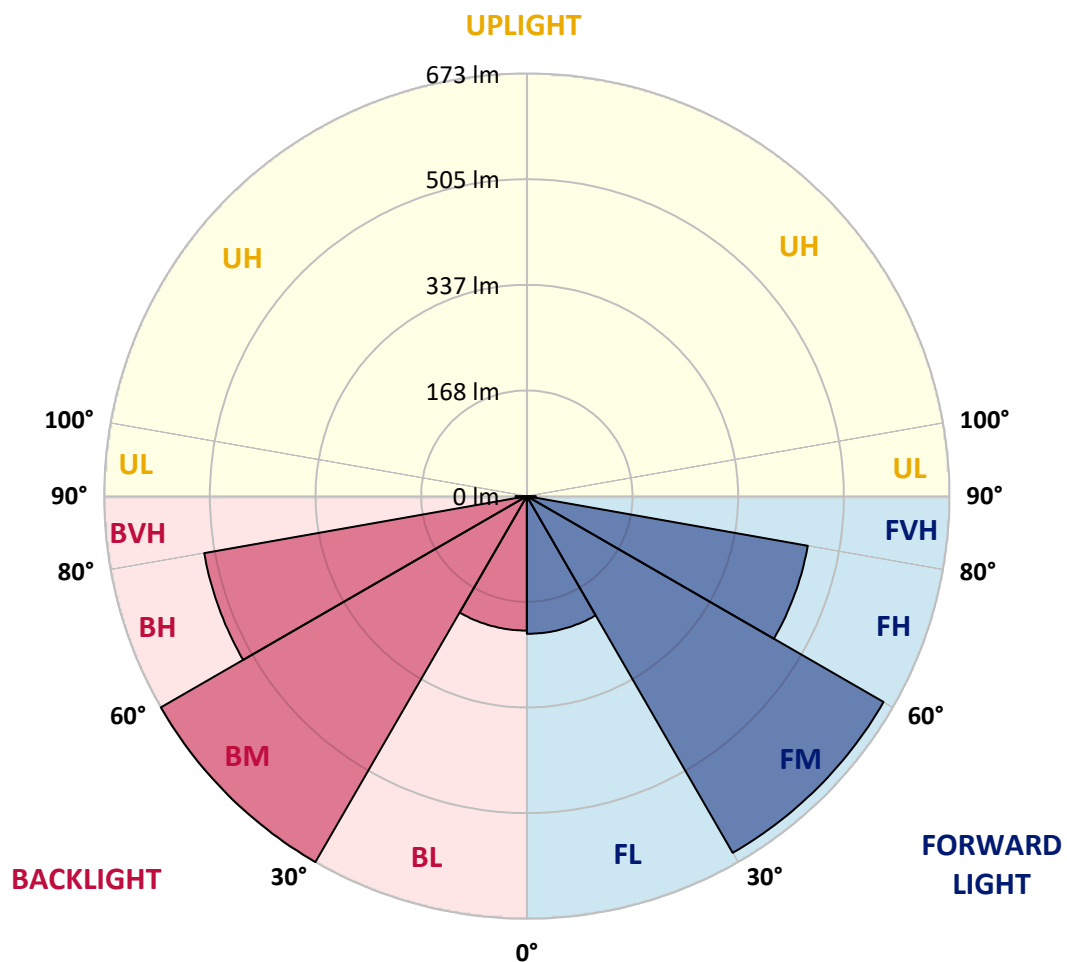
REPORT NUMBER: P673030
 CATALOG NUMBER: CCP-SA-1B-835-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 219.3 | 7.9 | | | |
| FM (30°-60°) | 656.1 | 23.7 | | | |
| FH (60°-80°) | 454.4 | 16.4 | | | G0/660 |
| FVH (80°-90°) | 14.3 | 0.5 | | | G1/100 |
| BL (0°-30°) | 214.2 | 7.7 | B1/500 | | |
| BM (30°-60°) | 673.2 | 24.3 | B1/1000 | | |
| BH (60°-80°) | 521.9 | 18.8 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 17.9 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type I Short





REPORT NUMBER: P673030
 CATALOG NUMBER: CCP-SA-1B-835-U-T1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 |
| 2.5° | 452.5 | 452.0 | 453.5 | 454.6 | 449.9 | 451.5 | 450.4 | 449.4 | 445.7 | 444.2 | 441.0 |
| 5° | 465.0 | 466.5 | 471.7 | 467.1 | 469.1 | 466.5 | 458.2 | 460.8 | 456.1 | 455.1 | 452.0 |
| 7.5° | 486.8 | 483.7 | 491.0 | 485.8 | 487.3 | 482.1 | 478.5 | 473.8 | 472.8 | 465.5 | 466.0 |
| 10° | 491.5 | 497.7 | 500.9 | 499.8 | 500.9 | 503.5 | 496.7 | 489.4 | 479.5 | 477.5 | 470.2 |
| 12.5° | 488.4 | 494.1 | 502.4 | 509.2 | 513.9 | 514.9 | 512.3 | 510.7 | 506.6 | 494.6 | 494.1 |
| 15° | 485.3 | 481.1 | 486.3 | 509.7 | 525.3 | 535.7 | 539.3 | 530.5 | 531.5 | 515.9 | 509.7 |
| 17.5° | 464.5 | 458.2 | 478.5 | 501.4 | 520.6 | 543.5 | 561.2 | 558.6 | 558.6 | 546.1 | 537.3 |
| 20° | 436.9 | 447.3 | 457.7 | 486.8 | 522.2 | 556.5 | 590.3 | 588.8 | 582.5 | 578.9 | 559.6 |
| 22.5° | 413.5 | 418.2 | 437.4 | 468.1 | 512.3 | 560.2 | 600.2 | 628.8 | 614.2 | 599.7 | 588.2 |
| 25° | 397.4 | 393.2 | 417.6 | 449.4 | 502.9 | 553.9 | 618.9 | 648.6 | 656.4 | 645.5 | 623.6 |
| 27.5° | 374.5 | 374.5 | 393.7 | 423.9 | 472.8 | 550.8 | 637.1 | 682.4 | 693.8 | 677.7 | 646.0 |
| 30° | 348.5 | 351.6 | 368.2 | 402.6 | 450.4 | 527.9 | 644.4 | 721.4 | 730.7 | 716.7 | 683.9 |
| 32.5° | 328.2 | 328.2 | 346.9 | 383.3 | 434.8 | 517.5 | 639.7 | 759.9 | 777.6 | 767.2 | 733.3 |
| 35° | 306.3 | 304.8 | 318.3 | 358.4 | 409.8 | 497.2 | 638.2 | 790.6 | 830.1 | 830.6 | 795.2 |
| 37.5° | 275.1 | 281.4 | 298.5 | 330.3 | 390.1 | 477.5 | 633.5 | 827.5 | 898.2 | 910.2 | 885.7 |
| 40° | 254.3 | 256.9 | 272.5 | 307.4 | 359.4 | 454.1 | 626.7 | 857.7 | 943.5 | 984.6 | 950.8 |
| 42.5° | 224.2 | 227.8 | 239.8 | 282.9 | 329.7 | 420.8 | 597.1 | 879.0 | 1008.0 | 1054.8 | 1026.2 |
| 45° | 192.4 | 194.5 | 212.2 | 247.6 | 298.0 | 381.2 | 565.4 | 913.3 | 1070.4 | 1166.1 | 1149.4 |
| 47.5° | 154.5 | 155.5 | 170.6 | 207.5 | 260.1 | 341.7 | 516.5 | 911.7 | 1120.8 | 1277.4 | 1324.2 |
| 50° | 120.7 | 123.3 | 134.7 | 164.9 | 214.3 | 293.3 | 459.8 | 899.3 | 1184.3 | 1404.3 | 1496.3 |
| 52.5° | 96.2 | 96.7 | 104.0 | 127.9 | 165.4 | 245.0 | 398.9 | 859.7 | 1244.1 | 1528.6 | 1707.5 |
| 55° | 79.6 | 79.6 | 83.7 | 98.3 | 126.9 | 186.2 | 327.7 | 794.2 | 1251.4 | 1665.9 | 1937.9 |
| 56° | 76.5 | 75.4 | 79.1 | 91.5 | 114.4 | 168.0 | 294.4 | 750.0 | 1261.8 | 1729.3 | 2053.4 |
| 57° | 72.3 | 72.8 | 74.9 | 83.7 | 103.0 | 148.8 | 257.5 | 706.8 | 1254.5 | 1781.4 | 2138.7 |
| 58° | 70.2 | 69.2 | 73.3 | 79.1 | 91.0 | 132.1 | 232.0 | 655.9 | 1243.1 | 1824.0 | 2263.0 |
| 59° | 67.1 | 66.6 | 69.2 | 74.4 | 84.8 | 117.5 | 200.8 | 600.7 | 1220.7 | 1879.1 | 2355.6 |
| 60° | 66.1 | 65.5 | 66.6 | 70.7 | 78.0 | 103.0 | 176.8 | 536.2 | 1160.9 | 1935.8 | 2470.5 |
| 61° | 62.9 | 63.5 | 65.5 | 68.1 | 73.9 | 92.6 | 159.2 | 470.2 | 1121.9 | 1983.7 | 2597.4 |
| 62° | 63.5 | 62.4 | 63.5 | 65.5 | 69.7 | 85.3 | 139.4 | 405.2 | 1052.2 | 2037.8 | 2692.6 |
| 63° | 60.3 | 59.8 | 61.4 | 64.0 | 66.1 | 77.0 | 121.7 | 350.0 | 973.1 | 2050.3 | 2773.2 |
| 64° | 59.3 | 58.8 | 59.3 | 62.9 | 63.5 | 72.3 | 107.7 | 299.1 | 858.7 | 2071.6 | 2876.7 |
| 65° | 56.7 | 56.7 | 57.7 | 59.3 | 61.4 | 68.1 | 96.2 | 259.5 | 744.8 | 2015.4 | 2908.4 |
| 66° | 54.6 | 55.1 | 55.1 | 57.7 | 59.3 | 63.5 | 88.4 | 220.5 | 635.6 | 1925.9 | 2939.1 |
| 67° | 53.1 | 53.1 | 53.6 | 55.7 | 57.2 | 59.8 | 79.6 | 190.9 | 536.2 | 1819.3 | 2891.8 |
| 67.5° | 52.0 | 52.5 | 52.5 | 54.6 | 56.2 | 59.8 | 75.9 | 181.0 | 479.5 | 1702.3 | 2856.4 |
| 68° | 50.5 | 51.0 | 51.0 | 53.1 | 54.6 | 57.7 | 73.3 | 165.4 | 442.1 | 1626.4 | 2790.9 |
| 69° | 49.4 | 48.9 | 48.9 | 51.0 | 53.1 | 55.1 | 68.1 | 144.6 | 351.6 | 1414.2 | 2695.2 |
| 70° | 46.3 | 46.3 | 47.3 | 48.9 | 50.5 | 52.5 | 62.9 | 127.4 | 297.5 | 1170.8 | 2448.7 |
| 71° | 44.7 | 44.2 | 44.7 | 46.3 | 47.8 | 50.5 | 57.7 | 112.9 | 243.4 | 972.1 | 2206.3 |
| 72° | 41.6 | 42.6 | 42.6 | 44.2 | 45.8 | 47.3 | 54.1 | 98.3 | 204.4 | 777.0 | 1939.5 |
| 72.5° | 41.1 | 41.1 | 41.6 | 43.2 | 44.2 | 46.8 | 52.0 | 94.1 | 186.7 | 685.0 | 1827.6 |
| 73° | 39.5 | 39.5 | 40.0 | 41.6 | 42.6 | 45.2 | 50.5 | 84.8 | 170.1 | 609.6 | 1618.6 |
| 74° | 38.0 | 37.4 | 37.4 | 39.5 | 40.0 | 42.6 | 47.3 | 74.9 | 142.5 | 459.3 | 1299.2 |
| 75° | 35.4 | 35.4 | 35.9 | 36.9 | 37.4 | 39.5 | 43.7 | 66.6 | 120.1 | 356.3 | 1016.3 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|------|------|------|------|------|------|------|------|------|-------|-------|
| 77.5° | 29.1 | 29.6 | 30.2 | 31.2 | 31.2 | 32.8 | 35.9 | 46.3 | 73.3 | 180.5 | 466.5 |
| 80° | 21.3 | 22.4 | 23.9 | 25.5 | 25.0 | 25.0 | 28.1 | 33.3 | 43.7 | 81.1 | 178.9 |
| 82.5° | 17.2 | 18.2 | 16.6 | 18.7 | 18.7 | 17.7 | 20.3 | 24.4 | 29.6 | 40.0 | 64.0 |
| 85° | 11.4 | 12.0 | 9.9 | 11.4 | 10.9 | 10.9 | 13.5 | 14.6 | 18.2 | 22.4 | 31.7 |
| 87.5° | 5.2 | 5.2 | 4.2 | 4.7 | 4.7 | 4.7 | 6.8 | 5.2 | 7.8 | 10.9 | 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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CATALOG NUMBER: CCP-SA-1B-835-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 |
| 2.5° | 444.2 | 446.3 | 446.3 | 444.2 | 442.6 | 444.2 | 443.1 | 440.5 | 443.1 | 444.2 | 444.7 |
| 5° | 450.4 | 446.3 | 448.3 | 443.6 | 446.8 | 446.3 | 445.2 | 447.8 | 448.3 | 448.3 | 452.0 |
| 7.5° | 457.2 | 462.4 | 455.6 | 456.1 | 457.7 | 451.5 | 453.5 | 454.6 | 452.5 | 456.7 | 459.8 |
| 10° | 469.1 | 471.2 | 469.1 | 461.3 | 466.5 | 462.4 | 460.8 | 465.5 | 464.5 | 465.5 | 470.2 |
| 12.5° | 480.1 | 483.7 | 478.0 | 477.5 | 474.9 | 471.2 | 473.3 | 472.8 | 480.1 | 481.1 | 486.8 |
| 15° | 502.4 | 493.1 | 491.0 | 490.5 | 489.4 | 487.9 | 488.9 | 489.4 | 498.8 | 500.3 | 513.9 |
| 17.5° | 521.7 | 520.1 | 508.7 | 512.8 | 512.8 | 506.6 | 504.0 | 512.8 | 520.1 | 527.9 | 537.3 |
| 20° | 541.4 | 539.9 | 527.4 | 527.9 | 523.2 | 528.9 | 525.8 | 534.1 | 546.6 | 549.2 | 557.6 |
| 22.5° | 564.8 | 558.1 | 549.2 | 550.3 | 551.8 | 547.7 | 545.6 | 557.0 | 569.5 | 576.8 | 577.3 |
| 25° | 601.8 | 584.6 | 577.3 | 578.4 | 576.3 | 573.2 | 574.7 | 589.3 | 595.5 | 611.1 | 608.0 |
| 27.5° | 621.5 | 611.6 | 606.4 | 594.5 | 595.0 | 590.3 | 596.6 | 618.4 | 630.9 | 642.8 | 618.9 |
| 30° | 645.5 | 639.2 | 616.3 | 612.2 | 611.6 | 609.6 | 621.0 | 649.1 | 667.8 | 674.6 | 640.2 |
| 32.5° | 692.3 | 667.3 | 661.6 | 657.9 | 649.6 | 652.2 | 657.9 | 694.9 | 724.5 | 722.9 | 660.0 |
| 35° | 745.8 | 728.7 | 712.5 | 709.4 | 708.4 | 701.1 | 711.0 | 754.2 | 777.0 | 770.3 | 667.3 |
| 37.5° | 831.6 | 805.6 | 783.8 | 771.8 | 769.8 | 764.6 | 788.0 | 822.3 | 851.9 | 825.4 | 673.0 |
| 40° | 873.8 | 844.7 | 824.4 | 817.1 | 818.6 | 825.9 | 848.8 | 901.3 | 914.3 | 865.5 | 677.7 |
| 42.5° | 934.1 | 902.4 | 862.3 | 858.7 | 854.0 | 857.7 | 901.9 | 972.6 | 983.5 | 919.5 | 660.0 |
| 45° | 1041.3 | 993.4 | 947.1 | 926.3 | 927.3 | 937.2 | 1005.9 | 1083.4 | 1063.1 | 957.0 | 631.9 |
| 47.5° | 1176.5 | 1106.3 | 1068.8 | 1040.7 | 1054.3 | 1043.3 | 1152.6 | 1214.4 | 1145.3 | 1004.3 | 597.6 |
| 50° | 1379.8 | 1281.5 | 1230.6 | 1196.8 | 1202.5 | 1211.8 | 1322.6 | 1375.2 | 1236.3 | 1027.2 | 545.1 |
| 52.5° | 1636.3 | 1509.9 | 1435.0 | 1389.7 | 1393.9 | 1414.2 | 1557.2 | 1541.1 | 1340.3 | 1046.5 | 474.9 |
| 55° | 1943.1 | 1813.1 | 1668.0 | 1649.3 | 1644.6 | 1692.9 | 1850.5 | 1714.8 | 1433.9 | 1015.8 | 402.0 |
| 56° | 2105.4 | 1967.0 | 1816.2 | 1777.7 | 1766.3 | 1800.1 | 1985.2 | 1801.6 | 1466.2 | 981.4 | 367.2 |
| 57° | 2243.2 | 2111.1 | 1945.7 | 1880.2 | 1894.7 | 1958.2 | 2118.9 | 1883.3 | 1495.8 | 946.1 | 334.4 |
| 58° | 2432.5 | 2281.7 | 2106.9 | 2057.0 | 2044.0 | 2094.5 | 2263.0 | 1965.5 | 1505.7 | 909.7 | 304.3 |
| 59° | 2621.3 | 2440.3 | 2282.7 | 2191.7 | 2195.4 | 2287.4 | 2405.0 | 2063.3 | 1520.8 | 863.4 | 265.8 |
| 60° | 2764.9 | 2673.9 | 2463.2 | 2395.1 | 2385.7 | 2518.9 | 2546.4 | 2128.8 | 1536.9 | 801.0 | 238.7 |
| 61° | 2968.2 | 2849.7 | 2653.6 | 2565.7 | 2591.2 | 2697.8 | 2699.3 | 2211.0 | 1513.0 | 721.9 | 205.4 |
| 62° | 3114.4 | 3083.2 | 2877.2 | 2793.5 | 2785.7 | 2927.2 | 2858.5 | 2283.3 | 1492.2 | 647.0 | 181.5 |
| 63° | 3285.5 | 3285.5 | 3097.7 | 3032.2 | 3035.9 | 3147.7 | 2927.7 | 2355.6 | 1468.3 | 564.3 | 159.7 |
| 64° | 3374.4 | 3486.3 | 3313.1 | 3221.0 | 3244.9 | 3341.7 | 3050.9 | 2402.9 | 1394.4 | 480.6 | 140.4 |
| 65° | 3451.4 | 3619.4 | 3523.2 | 3480.5 | 3444.1 | 3501.3 | 3157.6 | 2447.1 | 1281.5 | 408.8 | 124.8 |
| 66° | 3516.4 | 3744.8 | 3713.0 | 3667.3 | 3663.6 | 3650.6 | 3178.4 | 2445.5 | 1165.0 | 345.3 | 109.2 |
| 67° | 3483.7 | 3747.4 | 3805.1 | 3824.3 | 3818.6 | 3681.3 | 3142.0 | 2389.9 | 1015.8 | 291.8 | 97.3 |
| 67.5° | 3454.0 | 3726.0 | 3860.2 | 3849.3 | 3873.2 | 3707.3 | 3148.2 | 2321.7 | 909.7 | 264.2 | 91.5 |
| 68° | 3428.0 | 3697.4 | 3882.6 | 3896.6 | 3884.7 | 3710.4 | 3113.9 | 2267.7 | 837.4 | 248.1 | 86.3 |
| 69° | 3230.9 | 3561.7 | 3846.7 | 3897.1 | 3866.5 | 3591.3 | 3004.6 | 2126.7 | 665.2 | 211.7 | 79.6 |
| 70° | 3033.3 | 3385.9 | 3672.5 | 3765.0 | 3727.1 | 3360.9 | 2866.8 | 1902.5 | 548.7 | 181.0 | 71.8 |
| 71° | 2759.7 | 3059.3 | 3440.5 | 3496.1 | 3450.4 | 3098.8 | 2581.8 | 1665.9 | 427.0 | 153.4 | 64.0 |
| 72° | 2388.3 | 2642.7 | 3006.7 | 3141.4 | 3073.8 | 2721.7 | 2293.7 | 1376.7 | 345.9 | 129.0 | 58.3 |
| 72.5° | 2204.2 | 2464.8 | 2815.8 | 2826.8 | 2839.8 | 2557.9 | 2171.4 | 1209.2 | 301.7 | 119.6 | 56.7 |
| 73° | 2029.4 | 2284.8 | 2588.6 | 2627.1 | 2571.9 | 2281.7 | 1988.9 | 1081.3 | 275.7 | 109.2 | 54.6 |
| 74° | 1644.6 | 1790.2 | 2041.9 | 2079.4 | 2031.0 | 1860.4 | 1625.3 | 829.0 | 219.5 | 94.1 | 49.9 |
| 75° | 1294.0 | 1374.1 | 1601.9 | 1579.0 | 1506.7 | 1446.9 | 1260.2 | 633.5 | 177.9 | 82.7 | 46.3 |



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 CATALOG NUMBER: CCP-SA-1B-835-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 77.5° | 581.5 | 629.8 | 667.8 | 667.8 | 672.0 | 641.3 | 581.0 | 290.7 | 109.7 | 59.8 | 38.0 |
| 80° | 221.6 | 248.1 | 256.4 | 256.9 | 260.6 | 269.9 | 251.2 | 143.0 | 65.0 | 42.6 | 30.7 |
| 82.5° | 160.7 | 224.7 | 241.8 | 229.4 | 230.4 | 208.0 | 96.2 | 63.5 | 41.1 | 29.6 | 22.4 |
| 85° | 145.6 | 195.6 | 207.0 | 205.4 | 206.0 | 192.4 | 56.7 | 31.2 | 23.9 | 18.7 | 15.6 |
| 87.5° | 70.7 | 69.2 | 73.3 | 82.7 | 80.6 | 104.5 | 47.8 | 15.6 | 10.4 | 7.8 | 7.8 |
| 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: P673030

CATALOG NUMBER: CCP-SA-1B-835-U-T1

CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|
| 0° | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 | 443.1 |
| 2.5° | 440.5 | 440.0 | 447.3 | 440.0 | 444.2 | 441.0 |
| 5° | 445.7 | 447.8 | 449.4 | 452.5 | 445.2 | 452.5 |
| 7.5° | 461.3 | 463.4 | 463.9 | 466.5 | 463.4 | 462.9 |
| 10° | 473.3 | 478.5 | 481.6 | 471.2 | 477.5 | 476.9 |
| 12.5° | 496.7 | 491.5 | 491.0 | 488.9 | 483.2 | 481.1 |
| 15° | 513.3 | 505.5 | 500.9 | 492.5 | 485.8 | 483.2 |
| 17.5° | 536.7 | 521.7 | 502.4 | 485.3 | 473.3 | 463.9 |
| 20° | 551.3 | 524.3 | 485.8 | 465.5 | 447.3 | 451.5 |
| 22.5° | 560.7 | 521.7 | 470.7 | 444.7 | 426.5 | 431.7 |
| 25° | 563.8 | 508.7 | 460.3 | 428.0 | 410.4 | 406.7 |
| 27.5° | 555.0 | 493.6 | 440.0 | 403.6 | 388.0 | 391.1 |
| 30° | 550.8 | 471.7 | 421.3 | 385.4 | 364.6 | 367.7 |
| 32.5° | 539.9 | 449.4 | 396.3 | 359.9 | 344.8 | 339.6 |
| 35° | 524.3 | 430.6 | 372.4 | 338.1 | 319.9 | 315.7 |
| 37.5° | 505.0 | 407.2 | 351.6 | 310.0 | 293.9 | 290.7 |
| 40° | 476.4 | 379.2 | 321.4 | 285.5 | 266.8 | 266.3 |
| 42.5° | 451.5 | 352.1 | 293.3 | 256.4 | 237.7 | 238.7 |
| 45° | 419.7 | 315.7 | 261.1 | 229.4 | 210.6 | 211.7 |
| 47.5° | 379.2 | 281.9 | 230.4 | 195.0 | 179.4 | 178.4 |
| 50° | 331.3 | 243.4 | 193.0 | 162.8 | 149.8 | 147.2 |
| 52.5° | 285.5 | 204.4 | 158.1 | 131.1 | 120.1 | 119.1 |
| 55° | 227.8 | 159.2 | 123.3 | 103.0 | 94.7 | 95.2 |
| 56° | 207.0 | 146.7 | 112.3 | 94.1 | 87.9 | 87.9 |
| 57° | 187.2 | 130.0 | 101.9 | 86.9 | 81.1 | 81.1 |
| 58° | 165.4 | 114.4 | 92.6 | 78.5 | 75.9 | 73.9 |
| 59° | 150.3 | 104.0 | 83.7 | 74.4 | 70.2 | 69.7 |
| 60° | 132.6 | 93.6 | 78.0 | 69.7 | 66.6 | 66.1 |
| 61° | 117.5 | 84.3 | 71.8 | 65.0 | 64.0 | 64.0 |
| 62° | 105.1 | 78.0 | 66.6 | 62.9 | 62.4 | 60.9 |
| 63° | 94.1 | 71.8 | 64.0 | 59.8 | 58.3 | 59.8 |
| 64° | 84.3 | 66.1 | 61.9 | 58.8 | 56.7 | 57.7 |
| 65° | 76.5 | 63.5 | 59.3 | 57.2 | 55.1 | 55.7 |
| 66° | 71.3 | 59.3 | 57.2 | 54.6 | 53.6 | 54.1 |
| 67° | 64.5 | 57.2 | 55.1 | 52.5 | 52.0 | 52.5 |
| 67.5° | 62.4 | 55.7 | 54.1 | 51.5 | 51.0 | 51.5 |
| 68° | 60.9 | 54.6 | 53.6 | 51.0 | 50.5 | 49.9 |
| 69° | 56.7 | 52.5 | 51.0 | 49.9 | 48.9 | 48.4 |
| 70° | 53.1 | 50.5 | 49.4 | 47.8 | 46.8 | 46.3 |
| 71° | 51.0 | 47.8 | 47.3 | 45.8 | 44.7 | 44.2 |
| 72° | 48.4 | 46.3 | 45.2 | 43.2 | 42.6 | 43.2 |
| 72.5° | 47.8 | 45.2 | 44.7 | 42.6 | 42.1 | 42.1 |
| 73° | 46.3 | 43.2 | 43.7 | 41.6 | 40.6 | 41.6 |
| 74° | 43.2 | 42.1 | 41.1 | 39.5 | 39.0 | 39.0 |
| 75° | 40.6 | 39.5 | 38.5 | 37.4 | 37.4 | 37.4 |



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| 80° | 27.6 | 27.6 | 28.1 | 26.5 | 25.5 | 25.0 |
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