

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: P672931

Luminaire Tested: **CCP-SA-1B-722-U-T1**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672931
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-722-U-T1
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T1 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

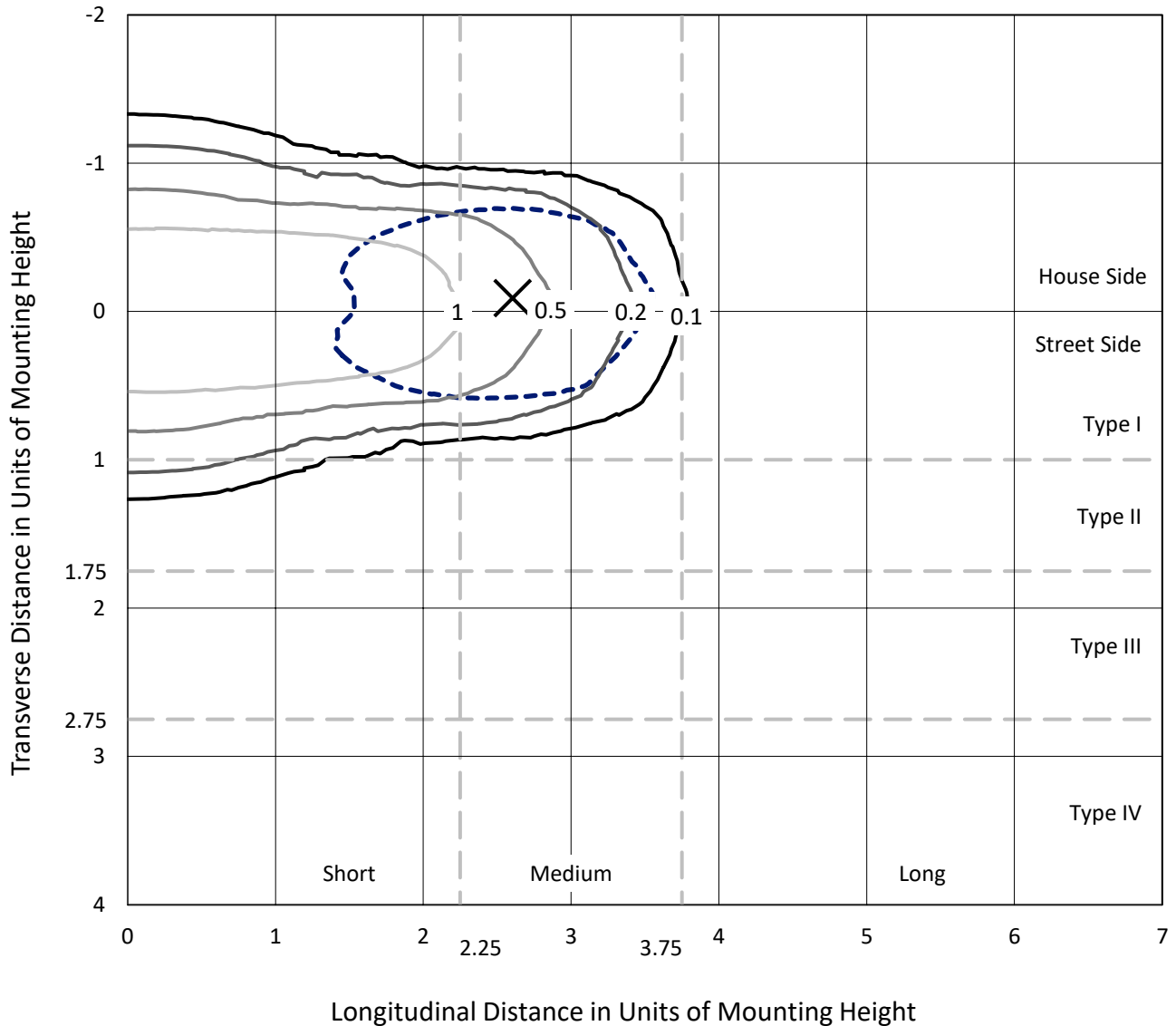
Lumens per Lamp: N/A
Luminaire Lumens: 2477.2 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P672931
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Iso-Footcandle Lines of Horizontal Illumination

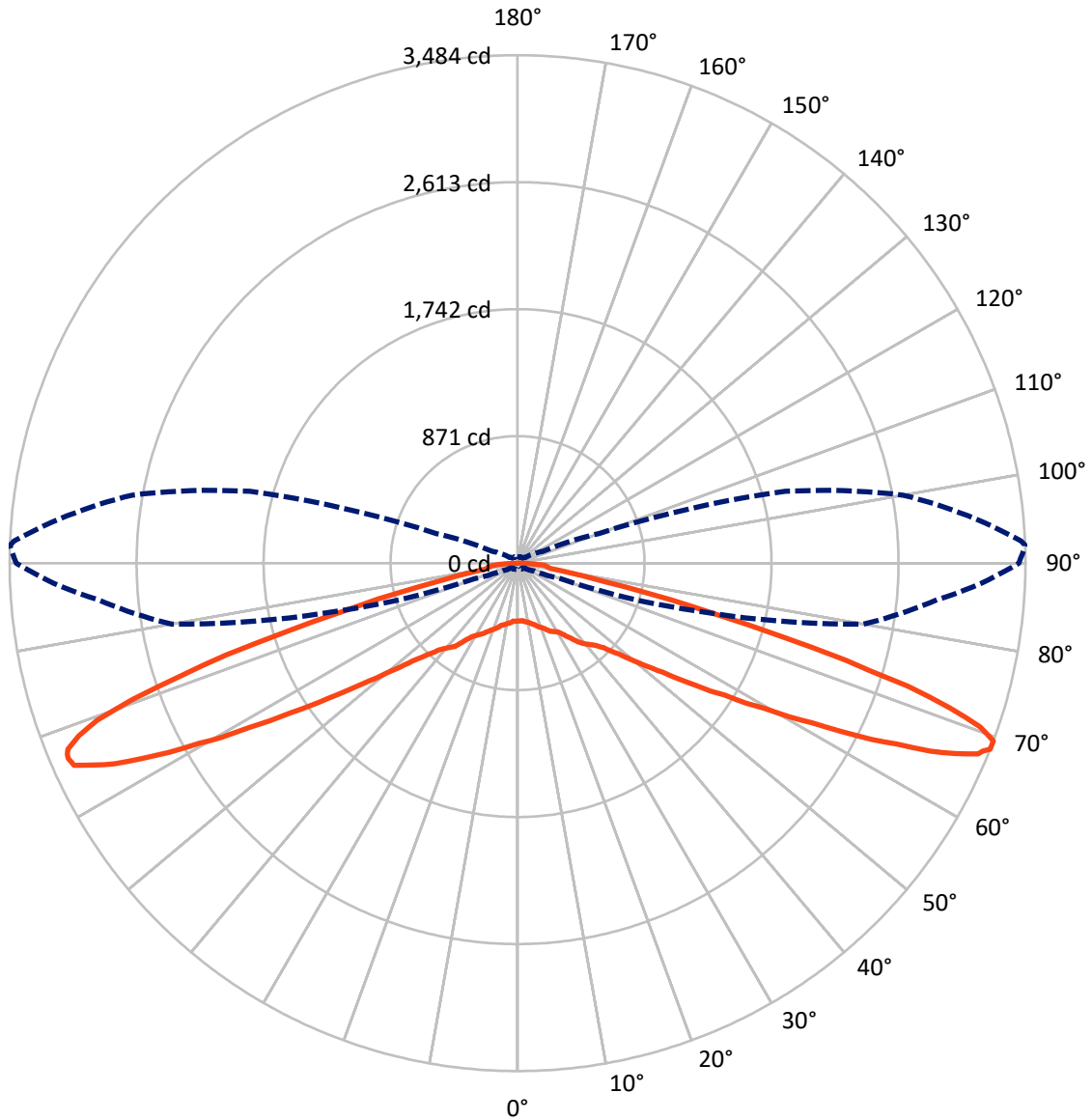
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 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 | 1275.7 | 0.0 | 1275.7 |
| | % Fixture | 51.5 | 0.0 | 51.5 |
| Street Side | Lumens | 1201.5 | 0.0 | 1201.5 |
| | % Fixture | 48.5 | 0.0 | 48.5 |
| Total | Lumens | 2477.2 | 0.0 | 2477.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.7 | 1.6 |
| 10°-20° | 128.5 | 5.2 |
| 20°-30° | 219.3 | 8.9 |
| 30°-40° | 306.2 | 12.4 |
| 40°-50° | 389.5 | 15.7 |
| 50°-60° | 492.5 | 19.9 |
| 60°-70° | 607.4 | 24.5 |
| 70°-80° | 265.3 | 10.7 |
| 80°-90° | 28.8 | 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° | 2477.2 | 100.0 |
| 0°-180° | 2477.2 | 100.0 |



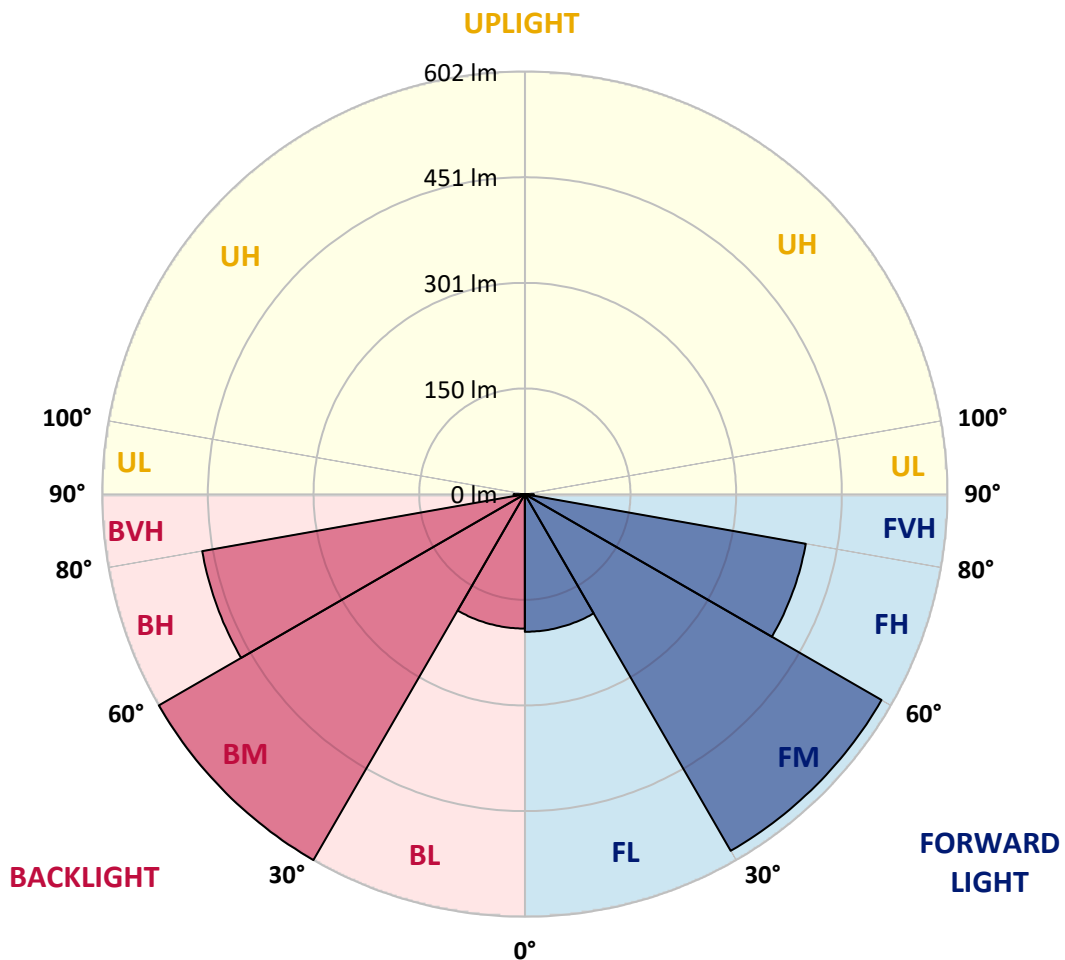
REPORT NUMBER: P672931
 CATALOG NUMBER: CCP-SA-1B-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 196.0 | 7.9 | | | |
| FM (30°-60°) | 586.5 | 23.7 | | | |
| FH (60°-80°) | 406.2 | 16.4 | | | G0/660 |
| FVH (80°-90°) | 12.8 | 0.5 | | | G1/100 |
| BL (0°-30°) | 191.4 | 7.7 | B1/500 | | |
| BM (30°-60°) | 601.8 | 24.3 | B1/1000 | | |
| BH (60°-80°) | 466.5 | 18.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 16.0 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type I Short





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 CATALOG NUMBER: CCP-SA-1B-722-U-T1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 |
| 2.5° | 404.5 | 404.0 | 405.4 | 406.4 | 402.2 | 403.6 | 402.6 | 401.7 | 398.5 | 397.1 | 394.3 |
| 5° | 415.7 | 417.0 | 421.7 | 417.5 | 419.4 | 417.0 | 409.6 | 411.9 | 407.8 | 406.8 | 404.0 |
| 7.5° | 435.2 | 432.4 | 438.9 | 434.3 | 435.6 | 431.0 | 427.7 | 423.6 | 422.6 | 416.1 | 416.6 |
| 10° | 439.4 | 444.9 | 447.7 | 446.8 | 447.7 | 450.1 | 444.0 | 437.5 | 428.7 | 426.8 | 420.3 |
| 12.5° | 436.6 | 441.7 | 449.1 | 455.2 | 459.4 | 460.3 | 458.0 | 456.6 | 452.9 | 442.2 | 441.7 |
| 15° | 433.8 | 430.1 | 434.7 | 455.6 | 469.6 | 478.9 | 482.1 | 474.2 | 475.2 | 461.2 | 455.6 |
| 17.5° | 415.2 | 409.6 | 427.7 | 448.2 | 465.4 | 485.9 | 501.7 | 499.3 | 499.3 | 488.2 | 480.3 |
| 20° | 390.5 | 399.8 | 409.1 | 435.2 | 466.8 | 497.5 | 527.7 | 526.3 | 520.7 | 517.5 | 500.3 |
| 22.5° | 369.6 | 373.8 | 391.0 | 418.4 | 458.0 | 500.7 | 536.5 | 562.1 | 549.1 | 536.1 | 525.8 |
| 25° | 355.2 | 351.5 | 373.3 | 401.7 | 449.6 | 495.2 | 553.3 | 579.8 | 586.8 | 577.0 | 557.5 |
| 27.5° | 334.8 | 334.8 | 352.0 | 378.9 | 422.6 | 492.4 | 569.5 | 610.0 | 620.2 | 605.8 | 577.5 |
| 30° | 311.5 | 314.3 | 329.2 | 359.9 | 402.6 | 471.9 | 576.1 | 644.9 | 653.2 | 640.7 | 611.4 |
| 32.5° | 293.4 | 293.4 | 310.1 | 342.7 | 388.7 | 462.6 | 571.9 | 679.3 | 695.1 | 685.8 | 655.6 |
| 35° | 273.8 | 272.5 | 284.5 | 320.3 | 366.4 | 444.5 | 570.5 | 706.7 | 742.0 | 742.5 | 710.9 |
| 37.5° | 246.0 | 251.5 | 266.9 | 295.2 | 348.7 | 426.8 | 566.3 | 739.7 | 802.9 | 813.6 | 791.8 |
| 40° | 227.4 | 229.7 | 243.6 | 274.8 | 321.3 | 405.9 | 560.3 | 766.7 | 843.4 | 880.1 | 849.9 |
| 42.5° | 200.4 | 203.6 | 214.3 | 252.9 | 294.8 | 376.1 | 533.7 | 785.7 | 901.1 | 942.9 | 917.3 |
| 45° | 172.0 | 173.9 | 189.7 | 221.3 | 266.4 | 340.8 | 505.4 | 816.4 | 956.8 | 1042.4 | 1027.5 |
| 47.5° | 138.1 | 139.0 | 152.5 | 185.5 | 232.5 | 305.5 | 461.7 | 815.0 | 1001.9 | 1141.9 | 1183.7 |
| 50° | 107.9 | 110.2 | 120.4 | 147.4 | 191.6 | 262.2 | 411.0 | 803.9 | 1058.7 | 1255.3 | 1337.6 |
| 52.5° | 86.0 | 86.5 | 93.0 | 114.4 | 147.9 | 219.0 | 356.6 | 768.5 | 1112.1 | 1366.5 | 1526.4 |
| 55° | 71.1 | 71.1 | 74.9 | 87.9 | 113.4 | 166.4 | 292.9 | 710.0 | 1118.6 | 1489.2 | 1732.4 |
| 56° | 68.3 | 67.4 | 70.7 | 81.8 | 102.3 | 150.2 | 263.2 | 670.4 | 1127.9 | 1545.9 | 1835.6 |
| 57° | 64.6 | 65.1 | 67.0 | 74.9 | 92.1 | 133.0 | 230.1 | 631.9 | 1121.4 | 1592.4 | 1911.8 |
| 58° | 62.8 | 61.8 | 65.6 | 70.7 | 81.4 | 118.1 | 207.4 | 586.3 | 1111.2 | 1630.5 | 2022.9 |
| 59° | 60.0 | 59.5 | 61.8 | 66.5 | 75.8 | 105.1 | 179.5 | 537.0 | 1091.2 | 1679.8 | 2105.7 |
| 60° | 59.0 | 58.6 | 59.5 | 63.2 | 69.7 | 92.1 | 158.1 | 479.4 | 1037.7 | 1730.5 | 2208.5 |
| 61° | 56.3 | 56.7 | 58.6 | 60.9 | 66.0 | 82.8 | 142.3 | 420.3 | 1002.9 | 1773.3 | 2321.9 |
| 62° | 56.7 | 55.8 | 56.7 | 58.6 | 62.3 | 76.2 | 124.6 | 362.2 | 940.6 | 1821.6 | 2407.0 |
| 63° | 53.9 | 53.5 | 54.9 | 57.2 | 59.0 | 68.8 | 108.8 | 312.9 | 869.9 | 1832.8 | 2479.1 |
| 64° | 53.0 | 52.5 | 53.0 | 56.3 | 56.7 | 64.6 | 96.2 | 267.3 | 767.6 | 1851.9 | 2571.6 |
| 65° | 50.7 | 50.7 | 51.6 | 53.0 | 54.9 | 60.9 | 86.0 | 232.0 | 665.8 | 1801.6 | 2599.9 |
| 66° | 48.8 | 49.3 | 49.3 | 51.6 | 53.0 | 56.7 | 79.0 | 197.1 | 568.2 | 1721.7 | 2627.4 |
| 67° | 47.4 | 47.4 | 47.9 | 49.7 | 51.1 | 53.5 | 71.1 | 170.6 | 479.4 | 1626.4 | 2585.1 |
| 67.5° | 46.5 | 47.0 | 47.0 | 48.8 | 50.2 | 53.5 | 67.9 | 161.8 | 428.7 | 1521.7 | 2553.4 |
| 68° | 45.1 | 45.6 | 45.6 | 47.4 | 48.8 | 51.6 | 65.6 | 147.9 | 395.2 | 1453.9 | 2494.9 |
| 69° | 44.2 | 43.7 | 43.7 | 45.6 | 47.4 | 49.3 | 60.9 | 129.3 | 314.3 | 1264.2 | 2409.3 |
| 70° | 41.4 | 41.4 | 42.3 | 43.7 | 45.1 | 47.0 | 56.3 | 113.9 | 265.9 | 1046.6 | 2188.9 |
| 71° | 40.0 | 39.5 | 40.0 | 41.4 | 42.8 | 45.1 | 51.6 | 100.9 | 217.6 | 869.0 | 1972.3 |
| 72° | 37.2 | 38.1 | 38.1 | 39.5 | 40.9 | 42.3 | 48.4 | 87.9 | 182.7 | 694.6 | 1733.8 |
| 72.5° | 36.7 | 36.7 | 37.2 | 38.6 | 39.5 | 41.8 | 46.5 | 84.2 | 166.9 | 612.3 | 1633.8 |
| 73° | 35.3 | 35.3 | 35.8 | 37.2 | 38.1 | 40.4 | 45.1 | 75.8 | 152.0 | 544.9 | 1446.9 |
| 74° | 33.9 | 33.5 | 33.5 | 35.3 | 35.8 | 38.1 | 42.3 | 67.0 | 127.4 | 410.5 | 1161.4 |
| 75° | 31.6 | 31.6 | 32.1 | 33.0 | 33.5 | 35.3 | 39.1 | 59.5 | 107.4 | 318.5 | 908.5 |



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CATALOG NUMBER: CCP-SA-1B-722-U-T1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|------|------|------|------|------|------|------|------|------|-------|-------|
| 77.5° | 26.0 | 26.5 | 27.0 | 27.9 | 27.9 | 29.3 | 32.1 | 41.4 | 65.6 | 161.3 | 417.0 |
| 80° | 19.1 | 20.0 | 21.4 | 22.8 | 22.3 | 22.3 | 25.1 | 29.8 | 39.1 | 72.5 | 159.9 |
| 82.5° | 15.3 | 16.3 | 14.9 | 16.7 | 16.7 | 15.8 | 18.1 | 21.9 | 26.5 | 35.8 | 57.2 |
| 85° | 10.2 | 10.7 | 8.8 | 10.2 | 9.8 | 9.8 | 12.1 | 13.0 | 16.3 | 20.0 | 28.4 |
| 87.5° | 4.6 | 4.6 | 3.7 | 4.2 | 4.2 | 4.2 | 6.0 | 4.6 | 7.0 | 9.8 | 16.7 |
| 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-722-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 |
| 2.5° | 397.1 | 398.9 | 398.9 | 397.1 | 395.7 | 397.1 | 396.1 | 393.8 | 396.1 | 397.1 | 397.5 |
| 5° | 402.6 | 398.9 | 400.8 | 396.6 | 399.4 | 398.9 | 398.0 | 400.3 | 400.8 | 400.8 | 404.0 |
| 7.5° | 408.7 | 413.3 | 407.3 | 407.8 | 409.1 | 403.6 | 405.4 | 406.4 | 404.5 | 408.2 | 411.0 |
| 10° | 419.4 | 421.2 | 419.4 | 412.4 | 417.0 | 413.3 | 411.9 | 416.1 | 415.2 | 416.1 | 420.3 |
| 12.5° | 429.1 | 432.4 | 427.3 | 426.8 | 424.5 | 421.2 | 423.1 | 422.6 | 429.1 | 430.1 | 435.2 |
| 15° | 449.1 | 440.8 | 438.9 | 438.4 | 437.5 | 436.1 | 437.0 | 437.5 | 445.9 | 447.3 | 459.4 |
| 17.5° | 466.3 | 464.9 | 454.7 | 458.4 | 458.4 | 452.9 | 450.5 | 458.4 | 464.9 | 471.9 | 480.3 |
| 20° | 484.0 | 482.6 | 471.4 | 471.9 | 467.7 | 472.8 | 470.1 | 477.5 | 488.7 | 491.0 | 498.4 |
| 22.5° | 504.9 | 498.9 | 491.0 | 491.9 | 493.3 | 489.6 | 487.7 | 497.9 | 509.1 | 515.6 | 516.1 |
| 25° | 537.9 | 522.6 | 516.1 | 517.0 | 515.2 | 512.4 | 513.8 | 526.8 | 532.4 | 546.3 | 543.5 |
| 27.5° | 555.6 | 546.8 | 542.1 | 531.4 | 531.9 | 527.7 | 533.3 | 552.8 | 564.0 | 574.7 | 553.3 |
| 30° | 577.0 | 571.4 | 551.0 | 547.2 | 546.8 | 544.9 | 555.1 | 580.2 | 597.0 | 603.0 | 572.3 |
| 32.5° | 618.8 | 596.5 | 591.4 | 588.1 | 580.7 | 583.0 | 588.1 | 621.2 | 647.7 | 646.3 | 590.0 |
| 35° | 666.7 | 651.4 | 637.0 | 634.2 | 633.2 | 626.7 | 635.6 | 674.2 | 694.6 | 688.6 | 596.5 |
| 37.5° | 743.4 | 720.2 | 700.7 | 690.0 | 688.1 | 683.5 | 704.4 | 735.1 | 761.6 | 737.9 | 601.6 |
| 40° | 781.1 | 755.1 | 736.9 | 730.4 | 731.8 | 738.3 | 758.8 | 805.7 | 817.4 | 773.7 | 605.8 |
| 42.5° | 835.0 | 806.7 | 770.9 | 767.6 | 763.4 | 766.7 | 806.2 | 869.4 | 879.2 | 822.0 | 590.0 |
| 45° | 930.8 | 888.0 | 846.7 | 828.1 | 829.0 | 837.8 | 899.2 | 968.5 | 950.3 | 855.5 | 564.9 |
| 47.5° | 1051.7 | 988.9 | 955.4 | 930.3 | 942.4 | 932.7 | 1030.3 | 1085.6 | 1023.8 | 897.8 | 534.2 |
| 50° | 1233.5 | 1145.6 | 1100.0 | 1069.8 | 1074.9 | 1083.3 | 1182.3 | 1229.3 | 1105.2 | 918.3 | 487.3 |
| 52.5° | 1462.7 | 1349.7 | 1282.8 | 1242.3 | 1246.0 | 1264.2 | 1392.0 | 1377.6 | 1198.1 | 935.5 | 424.5 |
| 55° | 1737.0 | 1620.8 | 1491.1 | 1474.3 | 1470.1 | 1513.4 | 1654.3 | 1532.9 | 1281.8 | 908.0 | 359.4 |
| 56° | 1882.1 | 1758.4 | 1623.6 | 1589.2 | 1578.9 | 1609.2 | 1774.7 | 1610.5 | 1310.7 | 877.3 | 328.2 |
| 57° | 2005.3 | 1887.2 | 1739.3 | 1680.8 | 1693.8 | 1750.5 | 1894.2 | 1683.5 | 1337.2 | 845.7 | 299.0 |
| 58° | 2174.5 | 2039.7 | 1883.5 | 1838.8 | 1827.2 | 1872.3 | 2022.9 | 1757.0 | 1346.0 | 813.2 | 272.0 |
| 59° | 2343.3 | 2181.5 | 2040.6 | 1959.3 | 1962.5 | 2044.8 | 2149.9 | 1844.4 | 1359.5 | 771.8 | 237.6 |
| 60° | 2471.6 | 2390.2 | 2201.9 | 2141.0 | 2132.7 | 2251.7 | 2276.3 | 1903.0 | 1373.9 | 716.0 | 213.4 |
| 61° | 2653.4 | 2547.4 | 2372.1 | 2293.5 | 2316.3 | 2411.6 | 2413.0 | 1976.5 | 1352.5 | 645.3 | 183.7 |
| 62° | 2784.1 | 2756.2 | 2572.0 | 2497.2 | 2490.2 | 2616.7 | 2555.3 | 2041.1 | 1333.9 | 578.4 | 162.3 |
| 63° | 2937.0 | 2937.0 | 2769.2 | 2710.6 | 2713.8 | 2813.8 | 2617.1 | 2105.7 | 1312.5 | 504.5 | 142.7 |
| 64° | 3016.5 | 3116.5 | 2961.7 | 2879.4 | 2900.8 | 2987.2 | 2727.3 | 2148.0 | 1246.5 | 429.6 | 125.5 |
| 65° | 3085.3 | 3235.5 | 3149.5 | 3111.4 | 3078.8 | 3130.0 | 2822.6 | 2187.5 | 1145.6 | 365.4 | 111.6 |
| 66° | 3143.4 | 3347.6 | 3319.2 | 3278.3 | 3275.0 | 3263.4 | 2841.2 | 2186.1 | 1041.5 | 308.7 | 97.6 |
| 67° | 3114.2 | 3349.9 | 3401.5 | 3418.7 | 3413.6 | 3290.8 | 2808.7 | 2136.4 | 908.0 | 260.8 | 86.9 |
| 67.5° | 3087.7 | 3330.8 | 3450.8 | 3441.0 | 3462.4 | 3314.1 | 2814.3 | 2075.5 | 813.2 | 236.2 | 81.8 |
| 68° | 3064.4 | 3305.2 | 3470.8 | 3483.3 | 3472.6 | 3316.9 | 2783.6 | 2027.1 | 748.6 | 221.8 | 77.2 |
| 69° | 2888.2 | 3183.9 | 3438.7 | 3483.8 | 3456.4 | 3210.4 | 2685.9 | 1901.1 | 594.7 | 189.2 | 71.1 |
| 70° | 2711.5 | 3026.7 | 3282.9 | 3365.7 | 3331.7 | 3004.4 | 2562.7 | 1700.7 | 490.5 | 161.8 | 64.2 |
| 71° | 2467.0 | 2734.8 | 3075.6 | 3125.3 | 3084.4 | 2770.1 | 2308.0 | 1489.2 | 381.7 | 137.2 | 57.2 |
| 72° | 2135.0 | 2362.4 | 2687.8 | 2808.2 | 2747.8 | 2433.0 | 2050.4 | 1230.7 | 309.2 | 115.3 | 52.1 |
| 72.5° | 1970.4 | 2203.3 | 2517.2 | 2526.9 | 2538.6 | 2286.6 | 1941.1 | 1081.0 | 269.7 | 106.9 | 50.7 |
| 73° | 1814.2 | 2042.5 | 2314.0 | 2348.4 | 2299.1 | 2039.7 | 1777.9 | 966.6 | 246.4 | 97.6 | 48.8 |
| 74° | 1470.1 | 1600.3 | 1825.3 | 1858.8 | 1815.6 | 1663.1 | 1452.9 | 741.1 | 196.2 | 84.2 | 44.6 |
| 75° | 1156.8 | 1228.4 | 1432.0 | 1411.6 | 1346.9 | 1293.5 | 1126.5 | 566.3 | 159.0 | 73.9 | 41.4 |



REPORT NUMBER: P672931
 CATALOG NUMBER: CCP-SA-1B-722-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 77.5° | 519.8 | 563.0 | 597.0 | 597.0 | 600.7 | 573.3 | 519.3 | 259.9 | 98.1 | 53.5 | 33.9 |
| 80° | 198.1 | 221.8 | 229.2 | 229.7 | 232.9 | 241.3 | 224.6 | 127.9 | 58.1 | 38.1 | 27.4 |
| 82.5° | 143.7 | 200.9 | 216.2 | 205.0 | 206.0 | 186.0 | 86.0 | 56.7 | 36.7 | 26.5 | 20.0 |
| 85° | 130.2 | 174.8 | 185.0 | 183.7 | 184.1 | 172.0 | 50.7 | 27.9 | 21.4 | 16.7 | 13.9 |
| 87.5° | 63.2 | 61.8 | 65.6 | 73.9 | 72.1 | 93.5 | 42.8 | 13.9 | 9.3 | 7.0 | 7.0 |
| 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: P672931

CATALOG NUMBER: CCP-SA-1B-722-U-T1

CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|
| 0° | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 | 396.1 |
| 2.5° | 393.8 | 393.3 | 399.8 | 393.3 | 397.1 | 394.3 |
| 5° | 398.5 | 400.3 | 401.7 | 404.5 | 398.0 | 404.5 |
| 7.5° | 412.4 | 414.3 | 414.7 | 417.0 | 414.3 | 413.8 |
| 10° | 423.1 | 427.7 | 430.5 | 421.2 | 426.8 | 426.3 |
| 12.5° | 444.0 | 439.4 | 438.9 | 437.0 | 431.9 | 430.1 |
| 15° | 458.9 | 451.9 | 447.7 | 440.3 | 434.3 | 431.9 |
| 17.5° | 479.8 | 466.3 | 449.1 | 433.8 | 423.1 | 414.7 |
| 20° | 492.8 | 468.7 | 434.3 | 416.1 | 399.8 | 403.6 |
| 22.5° | 501.2 | 466.3 | 420.8 | 397.5 | 381.2 | 385.9 |
| 25° | 504.0 | 454.7 | 411.5 | 382.6 | 366.8 | 363.6 |
| 27.5° | 496.1 | 441.2 | 393.3 | 360.8 | 346.8 | 349.6 |
| 30° | 492.4 | 421.7 | 376.6 | 344.5 | 325.9 | 328.7 |
| 32.5° | 482.6 | 401.7 | 354.3 | 321.7 | 308.3 | 303.6 |
| 35° | 468.7 | 385.0 | 332.9 | 302.2 | 285.9 | 282.2 |
| 37.5° | 451.5 | 364.0 | 314.3 | 277.1 | 262.7 | 259.9 |
| 40° | 425.9 | 338.9 | 287.3 | 255.3 | 238.5 | 238.0 |
| 42.5° | 403.6 | 314.8 | 262.2 | 229.2 | 212.5 | 213.4 |
| 45° | 375.2 | 282.2 | 233.4 | 205.0 | 188.3 | 189.2 |
| 47.5° | 338.9 | 252.0 | 206.0 | 174.4 | 160.4 | 159.5 |
| 50° | 296.2 | 217.6 | 172.5 | 145.5 | 133.9 | 131.6 |
| 52.5° | 255.3 | 182.7 | 141.3 | 117.2 | 107.4 | 106.5 |
| 55° | 203.6 | 142.3 | 110.2 | 92.1 | 84.6 | 85.1 |
| 56° | 185.0 | 131.1 | 100.4 | 84.2 | 78.6 | 78.6 |
| 57° | 167.4 | 116.2 | 91.1 | 77.6 | 72.5 | 72.5 |
| 58° | 147.9 | 102.3 | 82.8 | 70.2 | 67.9 | 66.0 |
| 59° | 134.4 | 93.0 | 74.9 | 66.5 | 62.8 | 62.3 |
| 60° | 118.6 | 83.7 | 69.7 | 62.3 | 59.5 | 59.0 |
| 61° | 105.1 | 75.3 | 64.2 | 58.1 | 57.2 | 57.2 |
| 62° | 93.9 | 69.7 | 59.5 | 56.3 | 55.8 | 54.4 |
| 63° | 84.2 | 64.2 | 57.2 | 53.5 | 52.1 | 53.5 |
| 64° | 75.3 | 59.0 | 55.3 | 52.5 | 50.7 | 51.6 |
| 65° | 68.3 | 56.7 | 53.0 | 51.1 | 49.3 | 49.7 |
| 66° | 63.7 | 53.0 | 51.1 | 48.8 | 47.9 | 48.4 |
| 67° | 57.7 | 51.1 | 49.3 | 47.0 | 46.5 | 47.0 |
| 67.5° | 55.8 | 49.7 | 48.4 | 46.0 | 45.6 | 46.0 |
| 68° | 54.4 | 48.8 | 47.9 | 45.6 | 45.1 | 44.6 |
| 69° | 50.7 | 47.0 | 45.6 | 44.6 | 43.7 | 43.2 |
| 70° | 47.4 | 45.1 | 44.2 | 42.8 | 41.8 | 41.4 |
| 71° | 45.6 | 42.8 | 42.3 | 40.9 | 40.0 | 39.5 |
| 72° | 43.2 | 41.4 | 40.4 | 38.6 | 38.1 | 38.6 |
| 72.5° | 42.8 | 40.4 | 40.0 | 38.1 | 37.7 | 37.7 |
| 73° | 41.4 | 38.6 | 39.1 | 37.2 | 36.3 | 37.2 |
| 74° | 38.6 | 37.7 | 36.7 | 35.3 | 34.9 | 34.9 |
| 75° | 36.3 | 35.3 | 34.4 | 33.5 | 33.5 | 33.5 |



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