

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: P673024

Luminaire Tested: **CCP-SA-2A-830-U-T1**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673024
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-830-U-T1
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T1
distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

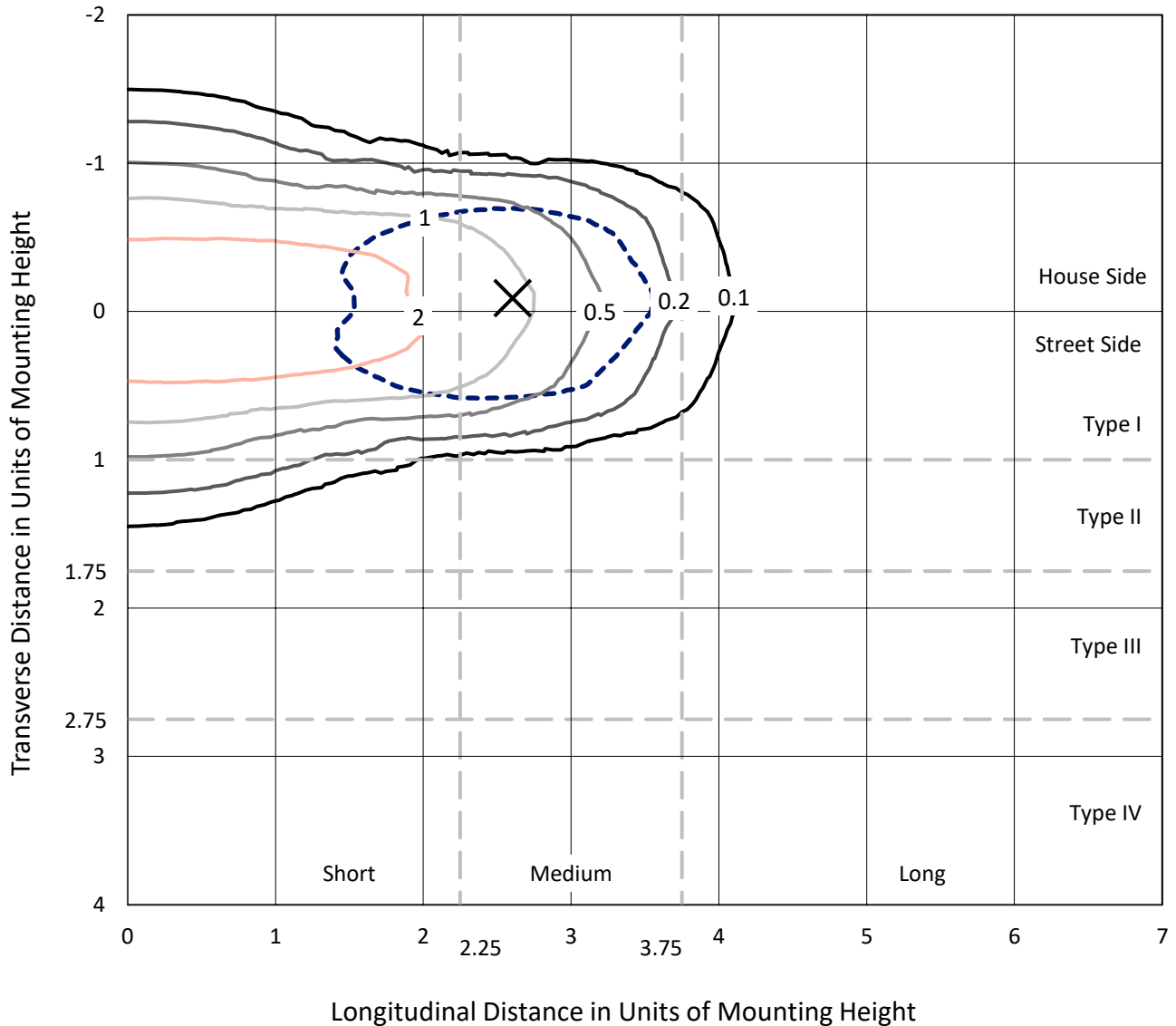
Lumens per Lamp: N/A
Luminaire Lumens: 4233.8 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

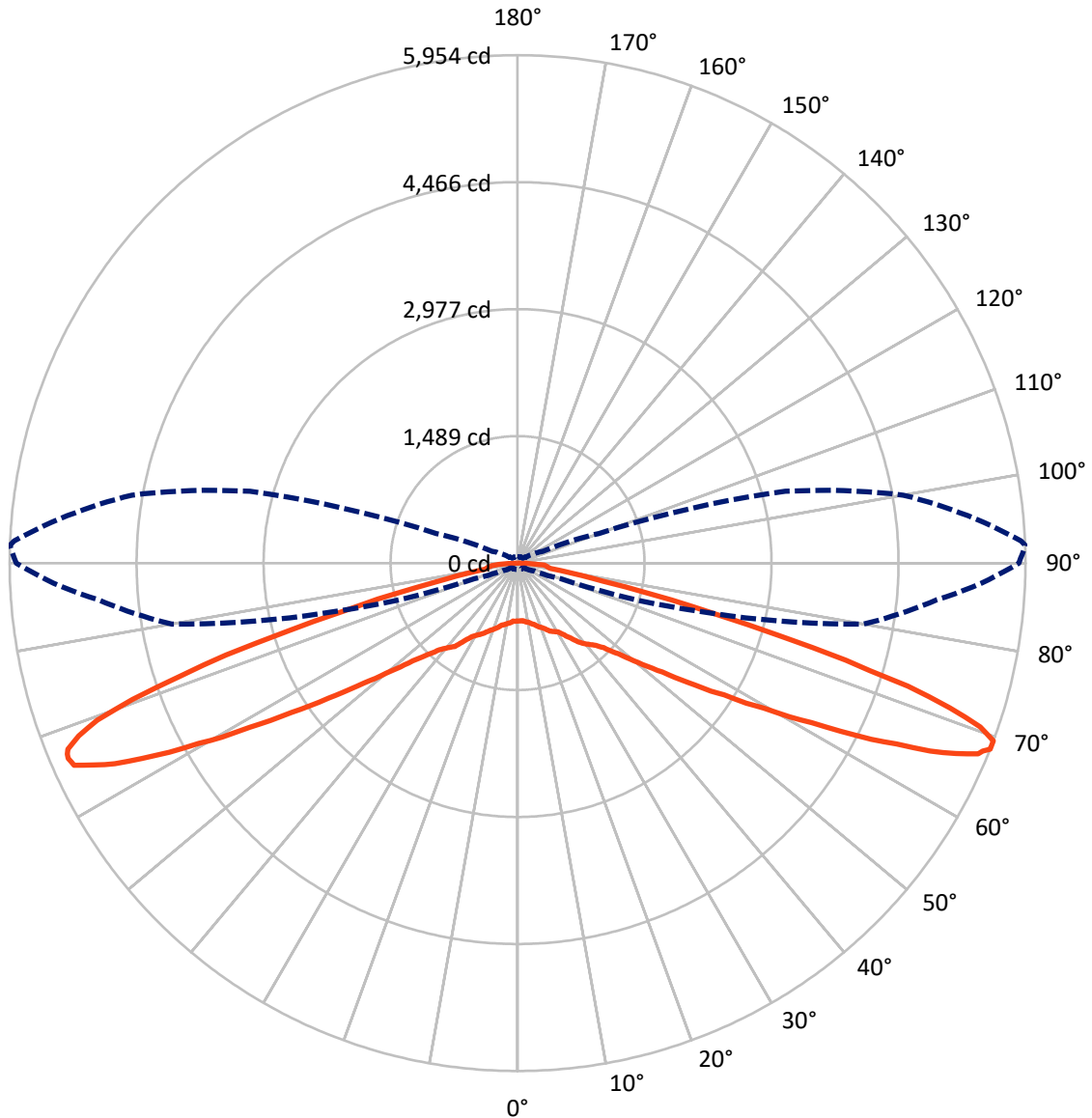
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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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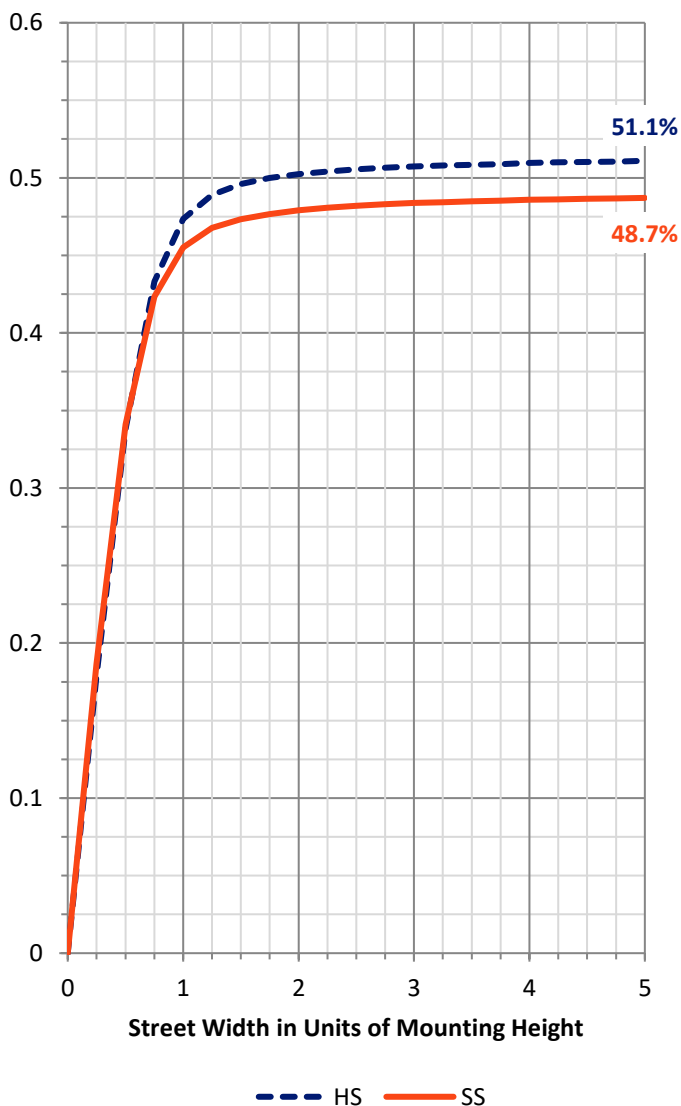
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2180.3 | 0.0 | 2180.3 |
| | % Fixture | 51.5 | 0.0 | 51.5 |
| Street Side | Lumens | 2053.4 | 0.0 | 2053.4 |
| | % Fixture | 48.5 | 0.0 | 48.5 |
| Total | Lumens | 4233.8 | 0.0 | 4233.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 67.8 | 1.6 |
| 10°-20° | 219.6 | 5.2 |
| 20°-30° | 374.8 | 8.9 |
| 30°-40° | 523.3 | 12.4 |
| 40°-50° | 665.7 | 15.7 |
| 50°-60° | 841.7 | 19.9 |
| 60°-70° | 1038.1 | 24.5 |
| 70°-80° | 453.5 | 10.7 |
| 80°-90° | 49.2 | 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° | 4233.8 | 100.0 |
| 0°-180° | 4233.8 | 100.0 |



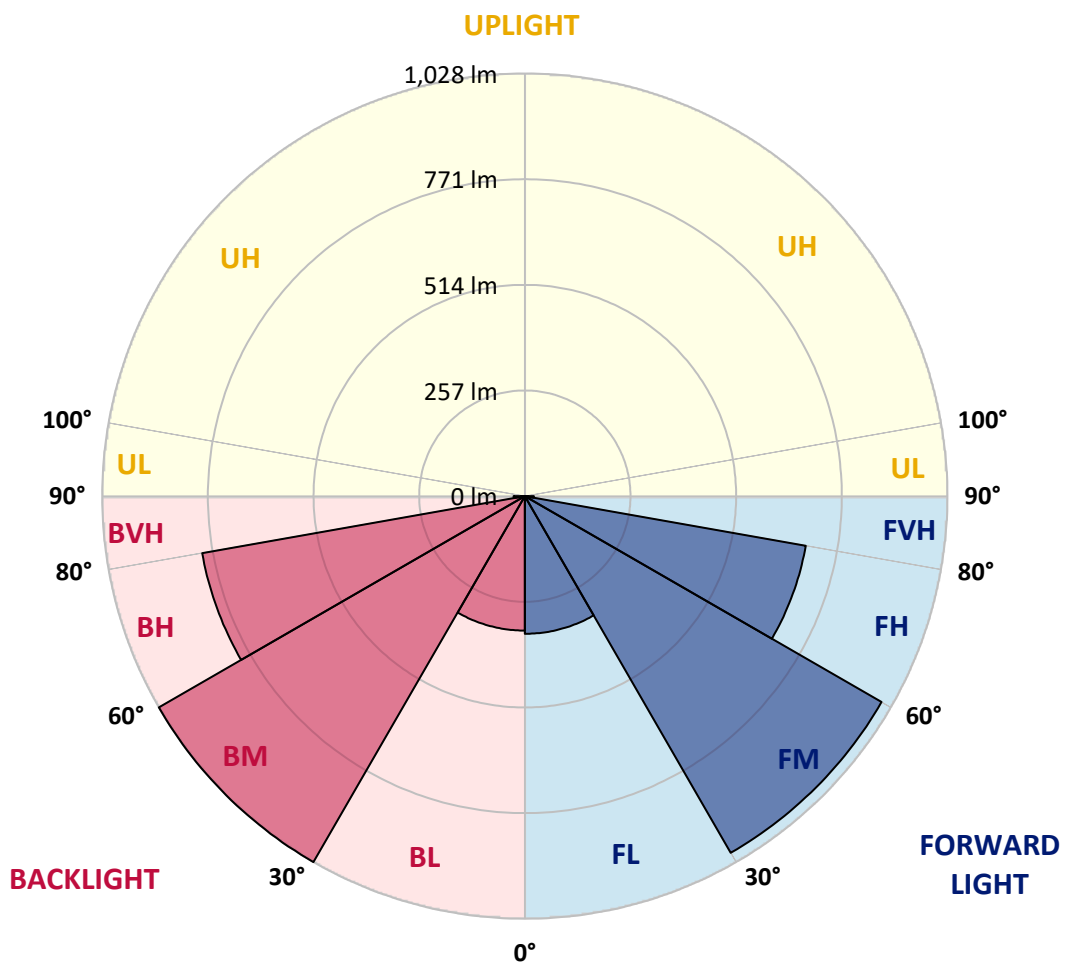
REPORT NUMBER: P673024
 CATALOG NUMBER: CCP-SA-2A-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 335.1 | 7.9 | | | |
| FM (30°-60°) | 1002.3 | 23.7 | | | |
| FH (60°-80°) | 694.3 | 16.4 | | | G1/1800 |
| FVH (80°-90°) | 21.8 | 0.5 | | | G1/100 |
| BL (0°-30°) | 327.2 | 7.7 | B1/500 | | |
| BM (30°-60°) | 1028.5 | 24.3 | B2/2500 | | |
| BH (60°-80°) | 797.3 | 18.8 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 27.4 | 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: P673024

CATALOG NUMBER: CCP-SA-2A-830-U-T1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0° | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 |
| 2.5° | 691.3 | 690.5 | 692.9 | 694.5 | 687.3 | 689.7 | 688.1 | 686.5 | 681.0 | 678.6 | 673.8 |
| 5° | 710.4 | 712.8 | 720.7 | 713.6 | 716.7 | 712.8 | 700.1 | 704.0 | 696.9 | 695.3 | 690.5 |
| 7.5° | 743.8 | 739.0 | 750.1 | 742.2 | 744.6 | 736.6 | 731.0 | 723.9 | 722.3 | 711.2 | 712.0 |
| 10° | 750.9 | 760.4 | 765.2 | 763.6 | 765.2 | 769.2 | 758.9 | 747.7 | 732.6 | 729.5 | 718.3 |
| 12.5° | 746.1 | 754.9 | 767.6 | 777.9 | 785.1 | 786.7 | 782.7 | 780.3 | 774.0 | 755.7 | 754.9 |
| 15° | 741.4 | 735.0 | 743.0 | 778.7 | 802.6 | 818.5 | 824.0 | 810.5 | 812.1 | 788.3 | 778.7 |
| 17.5° | 709.6 | 700.1 | 731.0 | 766.0 | 795.4 | 830.4 | 857.4 | 853.4 | 853.4 | 834.3 | 820.8 |
| 20° | 667.5 | 683.4 | 699.3 | 743.8 | 797.8 | 850.2 | 901.9 | 899.5 | 890.0 | 884.4 | 855.0 |
| 22.5° | 631.7 | 638.9 | 668.3 | 715.2 | 782.7 | 855.8 | 917.0 | 960.7 | 938.4 | 916.2 | 898.7 |
| 25° | 607.1 | 600.7 | 638.1 | 686.5 | 768.4 | 846.3 | 945.6 | 990.9 | 1002.8 | 986.1 | 952.7 |
| 27.5° | 572.1 | 572.1 | 601.5 | 647.6 | 722.3 | 841.5 | 973.4 | 1042.5 | 1060.0 | 1035.4 | 986.9 |
| 30° | 532.4 | 537.2 | 562.6 | 615.0 | 688.1 | 806.5 | 984.5 | 1102.1 | 1116.4 | 1095.0 | 1044.9 |
| 32.5° | 501.4 | 501.4 | 530.0 | 585.6 | 664.3 | 790.6 | 977.4 | 1160.9 | 1187.9 | 1172.1 | 1120.4 |
| 35° | 468.0 | 465.6 | 486.3 | 547.5 | 626.2 | 759.7 | 975.0 | 1207.8 | 1268.2 | 1269.0 | 1215.0 |
| 37.5° | 420.4 | 429.9 | 456.1 | 504.6 | 596.0 | 729.5 | 967.8 | 1264.2 | 1372.3 | 1390.6 | 1353.2 |
| 40° | 388.6 | 392.5 | 416.4 | 469.6 | 549.1 | 693.7 | 957.5 | 1310.3 | 1441.4 | 1504.2 | 1452.6 |
| 42.5° | 342.5 | 348.0 | 366.3 | 432.3 | 503.8 | 642.8 | 912.2 | 1342.9 | 1540.0 | 1611.5 | 1567.8 |
| 45° | 294.0 | 297.2 | 324.2 | 378.2 | 455.3 | 582.5 | 863.7 | 1395.3 | 1635.3 | 1781.5 | 1756.1 |
| 47.5° | 236.0 | 237.6 | 260.6 | 317.1 | 397.3 | 522.1 | 789.1 | 1393.0 | 1712.4 | 1951.6 | 2023.1 |
| 50° | 184.4 | 188.3 | 205.8 | 251.9 | 327.4 | 448.2 | 702.4 | 1373.9 | 1809.3 | 2145.5 | 2286.1 |
| 52.5° | 147.0 | 147.8 | 158.9 | 195.5 | 252.7 | 374.3 | 609.5 | 1313.5 | 1900.7 | 2335.4 | 2608.7 |
| 55° | 121.6 | 121.6 | 127.9 | 150.2 | 193.9 | 284.5 | 500.6 | 1213.4 | 1911.8 | 2545.2 | 2960.7 |
| 56° | 116.8 | 115.2 | 120.8 | 139.9 | 174.8 | 256.7 | 449.8 | 1145.8 | 1927.7 | 2642.1 | 3137.1 |
| 57° | 110.5 | 111.2 | 114.4 | 127.9 | 157.3 | 227.3 | 393.3 | 1079.9 | 1916.6 | 2721.6 | 3267.5 |
| 58° | 107.3 | 105.7 | 112.0 | 120.8 | 139.1 | 201.8 | 354.4 | 1002.0 | 1899.1 | 2786.7 | 3457.4 |
| 59° | 102.5 | 101.7 | 105.7 | 113.6 | 129.5 | 179.6 | 306.7 | 917.8 | 1865.0 | 2870.9 | 3598.8 |
| 60° | 100.9 | 100.1 | 101.7 | 108.1 | 119.2 | 157.3 | 270.2 | 819.2 | 1773.6 | 2957.6 | 3774.4 |
| 61° | 96.1 | 96.9 | 100.1 | 104.1 | 112.8 | 141.4 | 243.2 | 718.3 | 1714.0 | 3030.7 | 3968.3 |
| 62° | 96.9 | 95.4 | 96.9 | 100.1 | 106.5 | 130.3 | 213.0 | 619.0 | 1607.5 | 3113.3 | 4113.7 |
| 63° | 92.2 | 91.4 | 93.8 | 97.7 | 100.9 | 117.6 | 185.9 | 534.8 | 1486.7 | 3132.4 | 4236.9 |
| 64° | 90.6 | 89.8 | 90.6 | 96.1 | 96.9 | 110.5 | 164.5 | 456.9 | 1311.9 | 3165.0 | 4395.0 |
| 65° | 86.6 | 86.6 | 88.2 | 90.6 | 93.8 | 104.1 | 147.0 | 396.5 | 1137.9 | 3079.1 | 4443.5 |
| 66° | 83.4 | 84.2 | 84.2 | 88.2 | 90.6 | 96.9 | 135.1 | 336.9 | 971.0 | 2942.5 | 4490.4 |
| 67° | 81.1 | 81.1 | 81.8 | 85.0 | 87.4 | 91.4 | 121.6 | 291.6 | 819.2 | 2779.6 | 4418.1 |
| 67.5° | 79.5 | 80.3 | 80.3 | 83.4 | 85.8 | 91.4 | 116.0 | 276.5 | 732.6 | 2600.8 | 4364.0 |
| 68° | 77.1 | 77.9 | 77.9 | 81.1 | 83.4 | 88.2 | 112.0 | 252.7 | 675.4 | 2484.8 | 4263.9 |
| 69° | 75.5 | 74.7 | 74.7 | 77.9 | 81.1 | 84.2 | 104.1 | 220.9 | 537.2 | 2160.6 | 4117.7 |
| 70° | 70.7 | 70.7 | 72.3 | 74.7 | 77.1 | 80.3 | 96.1 | 194.7 | 454.5 | 1788.7 | 3741.0 |
| 71° | 68.3 | 67.5 | 68.3 | 70.7 | 73.1 | 77.1 | 88.2 | 172.4 | 371.9 | 1485.1 | 3370.8 |
| 72° | 63.6 | 65.2 | 65.2 | 67.5 | 69.9 | 72.3 | 82.6 | 150.2 | 312.3 | 1187.2 | 2963.1 |
| 72.5° | 62.8 | 62.8 | 63.6 | 66.0 | 67.5 | 71.5 | 79.5 | 143.8 | 285.3 | 1046.5 | 2792.3 |
| 73° | 60.4 | 60.4 | 61.2 | 63.6 | 65.2 | 69.1 | 77.1 | 129.5 | 259.8 | 931.3 | 2472.8 |
| 74° | 58.0 | 57.2 | 57.2 | 60.4 | 61.2 | 65.2 | 72.3 | 114.4 | 217.7 | 701.6 | 1984.9 |
| 75° | 54.0 | 54.0 | 54.8 | 56.4 | 57.2 | 60.4 | 66.7 | 101.7 | 183.6 | 544.3 | 1552.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|------|------|------|------|------|------|------|------|-------|-------|-------|
| 77.5° | 44.5 | 45.3 | 46.1 | 47.7 | 47.7 | 50.1 | 54.8 | 70.7 | 112.0 | 275.7 | 712.8 |
| 80° | 32.6 | 34.2 | 36.6 | 38.9 | 38.1 | 38.1 | 42.9 | 50.9 | 66.7 | 124.0 | 273.3 |
| 82.5° | 26.2 | 27.8 | 25.4 | 28.6 | 28.6 | 27.0 | 31.0 | 37.3 | 45.3 | 61.2 | 97.7 |
| 85° | 17.5 | 18.3 | 15.1 | 17.5 | 16.7 | 16.7 | 20.7 | 22.2 | 27.8 | 34.2 | 48.5 |
| 87.5° | 7.9 | 7.9 | 6.4 | 7.2 | 7.2 | 7.2 | 10.3 | 7.9 | 11.9 | 16.7 | 28.6 |
| 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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CATALOG NUMBER: CCP-SA-2A-830-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 |
| 2.5° | 678.6 | 681.8 | 681.8 | 678.6 | 676.2 | 678.6 | 677.0 | 673.0 | 677.0 | 678.6 | 679.4 |
| 5° | 688.1 | 681.8 | 685.0 | 677.8 | 682.6 | 681.8 | 680.2 | 684.2 | 685.0 | 685.0 | 690.5 |
| 7.5° | 698.5 | 706.4 | 696.1 | 696.9 | 699.3 | 689.7 | 692.9 | 694.5 | 691.3 | 697.7 | 702.4 |
| 10° | 716.7 | 719.9 | 716.7 | 704.8 | 712.8 | 706.4 | 704.0 | 711.2 | 709.6 | 711.2 | 718.3 |
| 12.5° | 733.4 | 739.0 | 730.3 | 729.5 | 725.5 | 719.9 | 723.1 | 722.3 | 733.4 | 735.0 | 743.8 |
| 15° | 767.6 | 753.3 | 750.1 | 749.3 | 747.7 | 745.3 | 746.9 | 747.7 | 762.0 | 764.4 | 785.1 |
| 17.5° | 797.0 | 794.6 | 777.1 | 783.5 | 783.5 | 774.0 | 770.0 | 783.5 | 794.6 | 806.5 | 820.8 |
| 20° | 827.2 | 824.8 | 805.7 | 806.5 | 799.4 | 808.1 | 803.4 | 816.1 | 835.1 | 839.1 | 851.8 |
| 22.5° | 863.0 | 852.6 | 839.1 | 840.7 | 843.1 | 836.7 | 833.6 | 851.0 | 870.1 | 881.2 | 882.0 |
| 25° | 919.4 | 893.1 | 882.0 | 883.6 | 880.4 | 875.7 | 878.0 | 900.3 | 909.8 | 933.7 | 928.9 |
| 27.5° | 949.6 | 934.5 | 926.5 | 908.2 | 909.0 | 901.9 | 911.4 | 944.8 | 963.9 | 982.1 | 945.6 |
| 30° | 986.1 | 976.6 | 941.6 | 935.3 | 934.5 | 931.3 | 948.8 | 991.7 | 1020.3 | 1030.6 | 978.2 |
| 32.5° | 1057.6 | 1019.5 | 1010.8 | 1005.2 | 992.5 | 996.4 | 1005.2 | 1061.6 | 1106.9 | 1104.5 | 1008.4 |
| 35° | 1139.5 | 1113.3 | 1088.6 | 1083.9 | 1082.3 | 1071.1 | 1086.2 | 1152.2 | 1187.2 | 1176.8 | 1019.5 |
| 37.5° | 1270.6 | 1230.9 | 1197.5 | 1179.2 | 1176.0 | 1168.1 | 1203.8 | 1256.3 | 1301.6 | 1261.1 | 1028.2 |
| 40° | 1335.0 | 1290.5 | 1259.5 | 1248.3 | 1250.7 | 1261.8 | 1296.8 | 1377.1 | 1396.9 | 1322.2 | 1035.4 |
| 42.5° | 1427.1 | 1378.7 | 1317.5 | 1311.9 | 1304.8 | 1310.3 | 1377.9 | 1485.9 | 1502.6 | 1404.9 | 1008.4 |
| 45° | 1590.8 | 1517.7 | 1447.0 | 1415.2 | 1416.8 | 1431.9 | 1536.8 | 1655.2 | 1624.2 | 1462.1 | 965.5 |
| 47.5° | 1797.4 | 1690.1 | 1632.9 | 1590.0 | 1610.7 | 1594.0 | 1760.9 | 1855.4 | 1749.7 | 1534.4 | 913.0 |
| 50° | 2108.1 | 1957.9 | 1880.1 | 1828.4 | 1837.1 | 1851.5 | 2020.7 | 2101.0 | 1888.8 | 1569.4 | 832.8 |
| 52.5° | 2499.9 | 2306.8 | 2192.3 | 2123.2 | 2129.6 | 2160.6 | 2379.1 | 2354.4 | 2047.7 | 1598.8 | 725.5 |
| 55° | 2968.7 | 2770.0 | 2548.3 | 2519.7 | 2512.6 | 2586.5 | 2827.2 | 2619.8 | 2190.8 | 1551.9 | 614.2 |
| 56° | 3216.6 | 3005.2 | 2774.8 | 2716.0 | 2698.5 | 2750.2 | 3033.0 | 2752.5 | 2240.0 | 1499.4 | 561.0 |
| 57° | 3427.2 | 3225.3 | 2972.7 | 2872.5 | 2894.8 | 2991.7 | 3237.3 | 2877.3 | 2285.3 | 1445.4 | 510.9 |
| 58° | 3716.4 | 3486.0 | 3219.0 | 3142.7 | 3122.8 | 3199.9 | 3457.4 | 3002.8 | 2300.4 | 1389.8 | 464.8 |
| 59° | 4004.9 | 3728.3 | 3487.6 | 3348.5 | 3354.1 | 3494.7 | 3674.3 | 3152.2 | 2323.5 | 1319.1 | 406.0 |
| 60° | 4224.2 | 4085.1 | 3763.3 | 3659.2 | 3644.9 | 3848.3 | 3890.4 | 3252.4 | 2348.1 | 1223.7 | 364.7 |
| 61° | 4534.9 | 4353.7 | 4054.1 | 3919.8 | 3958.8 | 4121.7 | 4124.1 | 3377.9 | 2311.5 | 1102.9 | 313.9 |
| 62° | 4758.2 | 4710.5 | 4395.8 | 4267.9 | 4256.0 | 4472.1 | 4367.2 | 3488.4 | 2279.8 | 988.5 | 277.3 |
| 63° | 5019.6 | 5019.6 | 4732.7 | 4632.6 | 4638.2 | 4809.0 | 4472.9 | 3598.8 | 2243.2 | 862.2 | 243.9 |
| 64° | 5155.5 | 5326.3 | 5061.7 | 4921.0 | 4957.6 | 5105.4 | 4661.2 | 3671.1 | 2130.4 | 734.2 | 214.5 |
| 65° | 5273.1 | 5529.7 | 5382.7 | 5317.6 | 5261.9 | 5349.3 | 4824.1 | 3738.7 | 1957.9 | 624.6 | 190.7 |
| 66° | 5372.4 | 5721.2 | 5672.8 | 5602.8 | 5597.3 | 5577.4 | 4855.9 | 3736.3 | 1779.9 | 527.6 | 166.9 |
| 67° | 5322.3 | 5725.2 | 5813.4 | 5842.8 | 5834.1 | 5624.3 | 4800.3 | 3651.3 | 1551.9 | 445.8 | 148.6 |
| 67.5° | 5277.0 | 5692.6 | 5897.6 | 5880.9 | 5917.5 | 5664.0 | 4809.8 | 3547.2 | 1389.8 | 403.7 | 139.9 |
| 68° | 5237.3 | 5648.9 | 5931.8 | 5953.3 | 5935.0 | 5668.8 | 4757.4 | 3464.5 | 1279.3 | 379.0 | 131.9 |
| 69° | 4936.1 | 5441.5 | 5877.0 | 5954.0 | 5907.2 | 5486.8 | 4590.5 | 3249.2 | 1016.3 | 323.4 | 121.6 |
| 70° | 4634.2 | 5172.9 | 5610.8 | 5752.2 | 5694.2 | 5134.8 | 4379.9 | 2906.7 | 838.3 | 276.5 | 109.7 |
| 71° | 4216.2 | 4673.9 | 5256.4 | 5341.4 | 5271.5 | 4734.3 | 3944.5 | 2545.2 | 652.4 | 234.4 | 97.7 |
| 72° | 3648.9 | 4037.4 | 4593.7 | 4799.5 | 4696.2 | 4158.2 | 3504.3 | 2103.3 | 528.4 | 197.1 | 89.0 |
| 72.5° | 3367.6 | 3765.7 | 4302.0 | 4318.7 | 4338.6 | 3907.9 | 3317.5 | 1847.5 | 460.9 | 182.8 | 86.6 |
| 73° | 3100.6 | 3490.7 | 3954.8 | 4013.6 | 3929.4 | 3486.0 | 3038.6 | 1652.0 | 421.1 | 166.9 | 83.4 |
| 74° | 2512.6 | 2735.1 | 3119.7 | 3176.9 | 3103.0 | 2842.3 | 2483.2 | 1266.6 | 335.3 | 143.8 | 76.3 |
| 75° | 1977.0 | 2099.4 | 2447.4 | 2412.5 | 2302.0 | 2210.6 | 1925.4 | 967.8 | 271.8 | 126.3 | 70.7 |



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 CATALOG NUMBER: CCP-SA-2A-830-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|------|------|
| 77.5° | 888.4 | 962.3 | 1020.3 | 1020.3 | 1026.6 | 979.8 | 887.6 | 444.2 | 167.7 | 91.4 | 58.0 |
| 80° | 338.5 | 379.0 | 391.7 | 392.5 | 398.1 | 412.4 | 383.8 | 218.5 | 99.3 | 65.2 | 46.9 |
| 82.5° | 245.5 | 343.3 | 369.5 | 350.4 | 352.0 | 317.8 | 147.0 | 96.9 | 62.8 | 45.3 | 34.2 |
| 85° | 222.5 | 298.8 | 316.3 | 313.9 | 314.7 | 294.0 | 86.6 | 47.7 | 36.6 | 28.6 | 23.8 |
| 87.5° | 108.1 | 105.7 | 112.0 | 126.3 | 123.2 | 159.7 | 73.1 | 23.8 | 15.9 | 11.9 | 11.9 |
| 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):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|
| 0° | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 | 677.0 |
| 2.5° | 673.0 | 672.2 | 683.4 | 672.2 | 678.6 | 673.8 |
| 5° | 681.0 | 684.2 | 686.5 | 691.3 | 680.2 | 691.3 |
| 7.5° | 704.8 | 708.0 | 708.8 | 712.8 | 708.0 | 707.2 |
| 10° | 723.1 | 731.0 | 735.8 | 719.9 | 729.5 | 728.7 |
| 12.5° | 758.9 | 750.9 | 750.1 | 746.9 | 738.2 | 735.0 |
| 15° | 784.3 | 772.4 | 765.2 | 752.5 | 742.2 | 738.2 |
| 17.5° | 820.0 | 797.0 | 767.6 | 741.4 | 723.1 | 708.8 |
| 20° | 842.3 | 801.0 | 742.2 | 711.2 | 683.4 | 689.7 |
| 22.5° | 856.6 | 797.0 | 719.1 | 679.4 | 651.6 | 659.5 |
| 25° | 861.4 | 777.1 | 703.2 | 654.0 | 627.0 | 621.4 |
| 27.5° | 847.9 | 754.1 | 672.2 | 616.6 | 592.8 | 597.6 |
| 30° | 841.5 | 720.7 | 643.6 | 588.8 | 557.0 | 561.8 |
| 32.5° | 824.8 | 686.5 | 605.5 | 549.9 | 526.8 | 518.9 |
| 35° | 801.0 | 657.9 | 568.9 | 516.5 | 488.7 | 482.3 |
| 37.5° | 771.6 | 622.2 | 537.2 | 473.6 | 449.0 | 444.2 |
| 40° | 727.9 | 579.3 | 491.1 | 436.2 | 407.6 | 406.8 |
| 42.5° | 689.7 | 538.0 | 448.2 | 391.7 | 363.1 | 364.7 |
| 45° | 641.3 | 482.3 | 398.9 | 350.4 | 321.8 | 323.4 |
| 47.5° | 579.3 | 430.7 | 352.0 | 298.0 | 274.1 | 272.6 |
| 50° | 506.2 | 371.9 | 294.8 | 248.7 | 228.8 | 224.9 |
| 52.5° | 436.2 | 312.3 | 241.6 | 200.2 | 183.6 | 182.0 |
| 55° | 348.0 | 243.2 | 188.3 | 157.3 | 144.6 | 145.4 |
| 56° | 316.3 | 224.1 | 171.6 | 143.8 | 134.3 | 134.3 |
| 57° | 286.1 | 198.7 | 155.7 | 132.7 | 124.0 | 124.0 |
| 58° | 252.7 | 174.8 | 141.4 | 120.0 | 116.0 | 112.8 |
| 59° | 229.6 | 158.9 | 127.9 | 113.6 | 107.3 | 106.5 |
| 60° | 202.6 | 143.0 | 119.2 | 106.5 | 101.7 | 100.9 |
| 61° | 179.6 | 128.7 | 109.7 | 99.3 | 97.7 | 97.7 |
| 62° | 160.5 | 119.2 | 101.7 | 96.1 | 95.4 | 93.0 |
| 63° | 143.8 | 109.7 | 97.7 | 91.4 | 89.0 | 91.4 |
| 64° | 128.7 | 100.9 | 94.6 | 89.8 | 86.6 | 88.2 |
| 65° | 116.8 | 96.9 | 90.6 | 87.4 | 84.2 | 85.0 |
| 66° | 108.9 | 90.6 | 87.4 | 83.4 | 81.8 | 82.6 |
| 67° | 98.5 | 87.4 | 84.2 | 80.3 | 79.5 | 80.3 |
| 67.5° | 95.4 | 85.0 | 82.6 | 78.7 | 77.9 | 78.7 |
| 68° | 93.0 | 83.4 | 81.8 | 77.9 | 77.1 | 76.3 |
| 69° | 86.6 | 80.3 | 77.9 | 76.3 | 74.7 | 73.9 |
| 70° | 81.1 | 77.1 | 75.5 | 73.1 | 71.5 | 70.7 |
| 71° | 77.9 | 73.1 | 72.3 | 69.9 | 68.3 | 67.5 |
| 72° | 73.9 | 70.7 | 69.1 | 66.0 | 65.2 | 66.0 |
| 72.5° | 73.1 | 69.1 | 68.3 | 65.2 | 64.4 | 64.4 |
| 73° | 70.7 | 66.0 | 66.7 | 63.6 | 62.0 | 63.6 |
| 74° | 66.0 | 64.4 | 62.8 | 60.4 | 59.6 | 59.6 |
| 75° | 62.0 | 60.4 | 58.8 | 57.2 | 57.2 | 57.2 |



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CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|
| 77.5° | 52.4 | 51.6 | 52.4 | 49.3 | 48.5 | 47.7 |
| 80° | 42.1 | 42.1 | 42.9 | 40.5 | 38.9 | 38.1 |
| 82.5° | 31.8 | 32.6 | 34.2 | 31.8 | 30.2 | 28.6 |
| 85° | 20.7 | 21.5 | 21.5 | 19.1 | 22.2 | 20.7 |
| 87.5° | 10.3 | 11.1 | 10.3 | 9.5 | 11.1 | 11.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)