

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: P674170

Luminaire Tested: **CCP-SA-1A-830-U-SLL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674170
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-830-U-SLL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ SLL distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

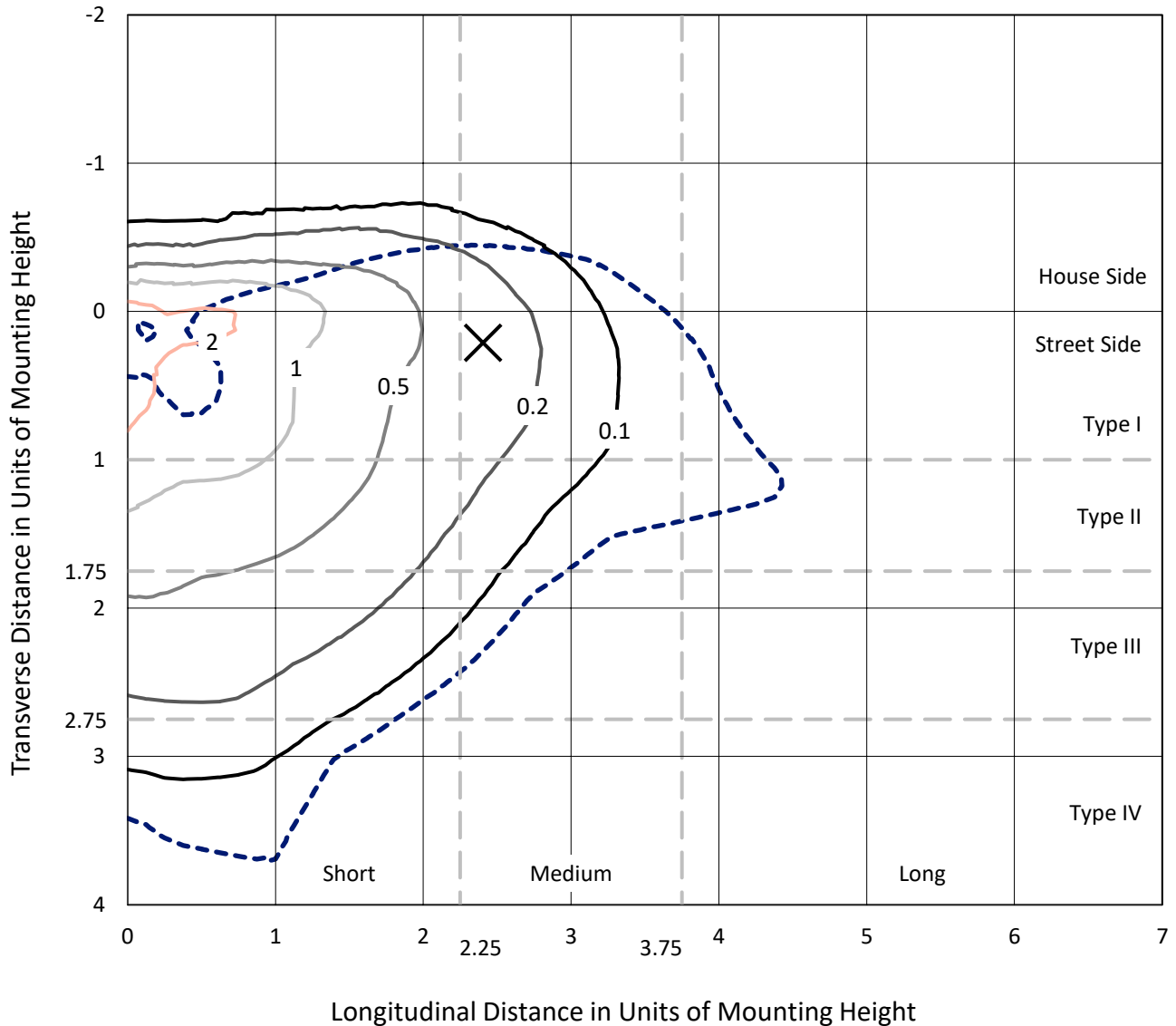
Lumens per Lamp: N/A
Luminaire Lumens: 1577.2 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 18
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: P674170
 CATALOG NUMBER: CCP-SA-1A-830-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

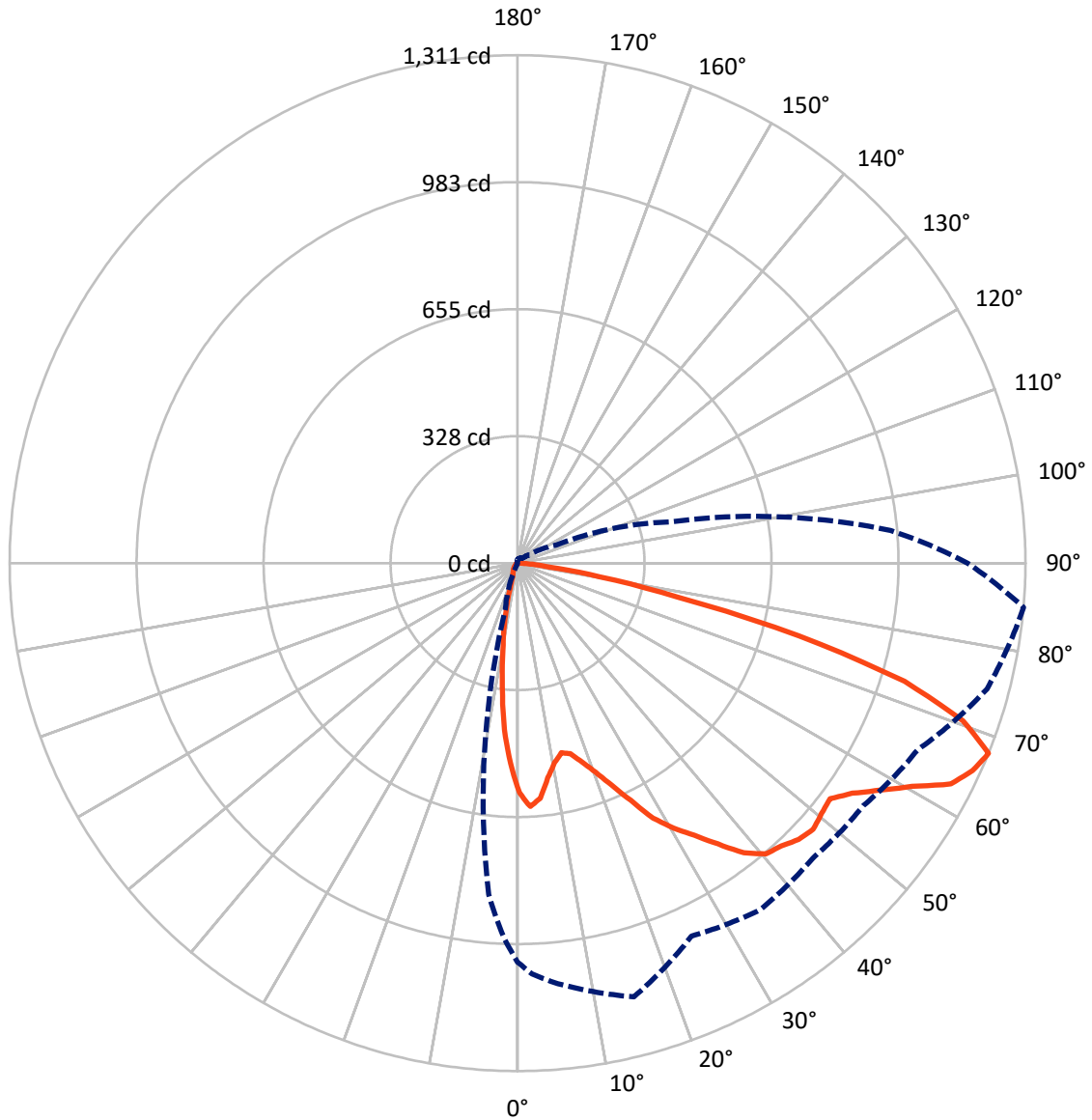
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - N/A

REPORT NUMBER: P674170
CATALOG NUMBER: CCP-SA-1A-830-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P674170
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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 273.9 | 0.0 | 273.9 |
| | % Fixture | 17.4 | 0.0 | 17.4 |
| Street Side | Lumens | 1303.4 | 0.0 | 1303.4 |
| | % Fixture | 82.6 | 0.0 | 82.6 |
| Total | Lumens | 1577.2 | 0.0 | 1577.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.1 | 2.9 |
| 10°-20° | 88.3 | 5.6 |
| 20°-30° | 122.3 | 7.8 |
| 30°-40° | 172.8 | 11.0 |
| 40°-50° | 235.2 | 14.9 |
| 50°-60° | 311.6 | 19.8 |
| 60°-70° | 361.7 | 22.9 |
| 70°-80° | 204.9 | 13.0 |
| 80°-90° | 35.4 | 2.2 |
| 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° | 1577.2 | 100.0 |
| 0°-180° | 1577.2 | 100.0 |



REPORT NUMBER: P674170

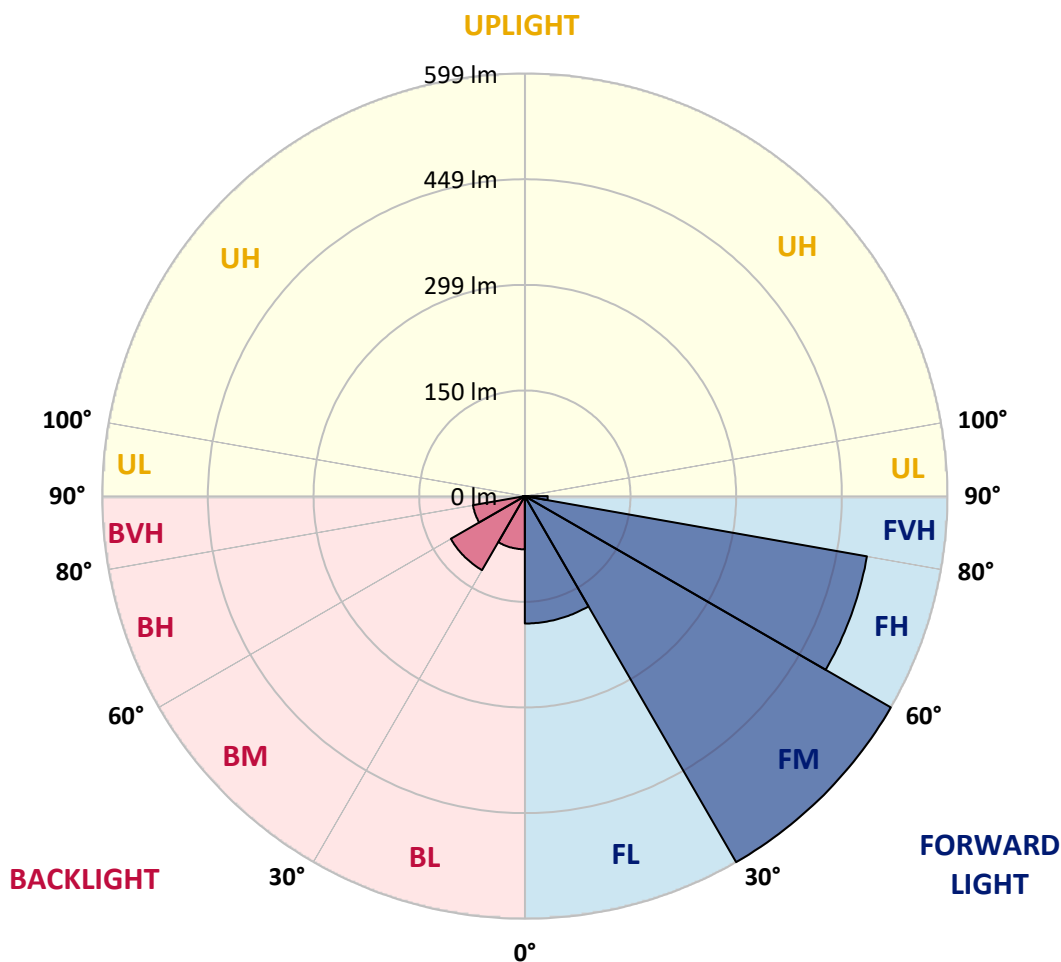
CATALOG NUMBER: CCP-SA-1A-830-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 180.4 | 11.4 | | | |
| FM (30°-60°) | 598.6 | 38.0 | | | |
| FH (60°-80°) | 492.0 | 31.2 | | | G0/660 |
| FVH (80°-90°) | 32.4 | 2.1 | | | G1/100 |
| BL (0°-30°) | 75.3 | 4.8 | B0/110 | | |
| BM (30°-60°) | 121.0 | 7.7 | B0/220 | | |
| BH (60°-80°) | 74.6 | 4.7 | B0/110 | | G0/110 |
| BVH (80°-90°) | 3.0 | 0.2 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type III Medium





REPORT NUMBER: P674170

CATALOG NUMBER: CCP-SA-1A-830-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 2° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 |
| 2.5° | 616.2 | 629.3 | 629.7 | 635.6 | 641.5 | 641.5 | 655.4 | 652.0 | 639.8 | 637.7 | 628.8 |
| 5° | 620.8 | 625.5 | 628.8 | 658.7 | 684.0 | 681.5 | 689.1 | 684.0 | 660.4 | 630.1 | 609.5 |
| 7.5° | 580.8 | 585.9 | 599.3 | 650.3 | 684.4 | 695.8 | 710.1 | 678.5 | 653.7 | 598.9 | 559.3 |
| 10° | 527.7 | 537.4 | 562.3 | 620.4 | 662.5 | 698.7 | 698.7 | 673.5 | 625.5 | 572.0 | 523.5 |
| 12.5° | 498.3 | 517.6 | 531.1 | 590.1 | 644.8 | 669.7 | 668.8 | 655.4 | 624.2 | 556.8 | 502.1 |
| 15° | 503.3 | 508.8 | 537.4 | 583.3 | 619.6 | 618.3 | 633.5 | 629.3 | 607.3 | 570.3 | 510.1 |
| 17.5° | 526.5 | 534.9 | 559.8 | 583.3 | 600.6 | 595.6 | 595.1 | 615.4 | 616.6 | 593.0 | 540.0 |
| 20° | 564.4 | 589.2 | 601.0 | 608.2 | 587.1 | 565.7 | 563.1 | 591.3 | 613.2 | 622.1 | 575.8 |
| 22.5° | 625.0 | 641.5 | 665.5 | 628.8 | 574.1 | 547.1 | 542.1 | 573.2 | 617.5 | 656.6 | 622.1 |
| 25° | 684.4 | 697.1 | 720.2 | 673.1 | 588.8 | 543.3 | 534.5 | 561.4 | 633.5 | 704.6 | 678.1 |
| 27.5° | 747.2 | 758.1 | 760.7 | 705.5 | 596.8 | 535.7 | 525.2 | 561.4 | 646.9 | 729.9 | 745.1 |
| 30° | 785.5 | 798.6 | 801.1 | 734.1 | 609.9 | 542.1 | 537.0 | 564.0 | 656.2 | 751.4 | 793.1 |
| 32.5° | 828.5 | 831.8 | 829.7 | 739.2 | 624.2 | 560.6 | 539.5 | 580.8 | 666.7 | 777.1 | 836.9 |
| 35° | 879.9 | 885.8 | 864.3 | 762.3 | 656.2 | 572.4 | 564.8 | 601.5 | 684.8 | 788.9 | 890.0 |
| 37.5° | 919.0 | 937.6 | 889.1 | 771.2 | 662.5 | 597.2 | 598.5 | 644.4 | 697.5 | 803.2 | 948.5 |
| 40° | 992.7 | 961.6 | 931.2 | 801.5 | 686.5 | 639.4 | 632.6 | 688.6 | 740.0 | 812.5 | 986.8 |
| 42.5° | 1033.2 | 1016.7 | 947.7 | 804.5 | 723.6 | 697.5 | 699.2 | 738.8 | 762.3 | 838.6 | 997.4 |
| 45° | 1043.3 | 1026.0 | 970.0 | 806.6 | 760.2 | 766.1 | 795.2 | 802.8 | 795.2 | 855.8 | 1017.2 |
| 47.5° | 1069.0 | 1031.5 | 967.5 | 834.8 | 819.6 | 842.4 | 879.4 | 895.9 | 839.8 | 849.5 | 1026.4 |
| 50° | 1063.9 | 1042.4 | 962.0 | 846.6 | 892.1 | 952.3 | 977.2 | 970.4 | 889.5 | 836.5 | 1016.3 |
| 52.5° | 1042.9 | 1019.7 | 978.8 | 878.6 | 959.9 | 1032.7 | 1067.3 | 1050.4 | 933.8 | 866.0 | 1009.6 |
| 55° | 1073.6 | 1055.9 | 1000.7 | 922.0 | 1010.8 | 1103.5 | 1127.9 | 1115.3 | 988.1 | 893.3 | 1047.9 |
| 57.5° | 1106.9 | 1103.1 | 1060.1 | 972.9 | 1071.1 | 1176.4 | 1176.4 | 1160.8 | 1035.3 | 932.9 | 1104.8 |
| 60° | 1154.9 | 1163.3 | 1103.9 | 1006.6 | 1091.7 | 1172.2 | 1233.2 | 1215.1 | 1082.9 | 1002.4 | 1169.2 |
| 62.5° | 1139.3 | 1166.3 | 1160.4 | 1079.1 | 1115.3 | 1192.8 | 1226.1 | 1239.5 | 1141.8 | 1087.1 | 1255.1 |
| 65° | 1089.2 | 1117.8 | 1159.9 | 1126.7 | 1097.6 | 1142.7 | 1159.5 | 1200.4 | 1171.3 | 1166.7 | 1290.5 |
| 67.5° | 1029.4 | 1060.5 | 1086.7 | 1158.7 | 1061.8 | 1091.7 | 1077.0 | 1090.0 | 1139.3 | 1253.9 | 1310.7 |
| 70° | 898.8 | 928.7 | 970.0 | 1087.5 | 967.0 | 940.1 | 936.3 | 930.0 | 1006.6 | 1222.7 | 1218.9 |
| 72.5° | 739.2 | 753.1 | 821.3 | 884.1 | 715.6 | 710.5 | 716.4 | 709.3 | 798.1 | 1106.9 | 1044.1 |
| 75° | 553.4 | 567.3 | 606.1 | 679.0 | 487.3 | 458.2 | 491.9 | 525.2 | 609.5 | 859.2 | 750.1 |
| 77.5° | 416.1 | 433.8 | 458.2 | 507.9 | 357.6 | 312.1 | 316.7 | 348.3 | 440.6 | 688.2 | 420.3 |
| 80° | 270.0 | 267.9 | 315.0 | 349.6 | 269.1 | 277.6 | 265.8 | 288.9 | 319.3 | 368.1 | 214.8 |
| 82.5° | 155.8 | 157.9 | 177.7 | 200.5 | 187.4 | 214.4 | 154.6 | 258.2 | 227.9 | 149.9 | 80.0 |
| 85° | 87.6 | 91.4 | 109.5 | 139.0 | 117.5 | 78.8 | 64.4 | 128.0 | 143.2 | 61.5 | 38.7 |
| 87.5° | 8.8 | 7.6 | 14.7 | 52.6 | 32.0 | 13.1 | 19.4 | 30.7 | 34.5 | 23.2 | 11.4 |
| 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: P674170
 CATALOG NUMBER: CCP-SA-1A-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 |
| 2.5° | 616.2 | 616.2 | 605.7 | 588.0 | 580.8 | 568.2 | 550.9 | 556.4 | 550.5 | 529.0 | 523.5 |
| 5° | 590.9 | 570.7 | 548.8 | 521.8 | 506.3 | 474.3 | 464.1 | 446.0 | 449.0 | 430.9 | 431.7 |
| 7.5° | 538.3 | 522.3 | 485.2 | 449.8 | 419.1 | 391.3 | 352.1 | 337.4 | 323.0 | 315.9 | 324.3 |
| 10° | 507.5 | 477.6 | 427.1 | 380.8 | 339.9 | 315.0 | 288.9 | 268.7 | 250.2 | 236.3 | 233.3 |
| 12.5° | 485.2 | 458.7 | 397.6 | 341.2 | 309.2 | 288.9 | 264.9 | 237.1 | 219.0 | 195.0 | 187.8 |
| 15° | 478.5 | 446.0 | 381.6 | 325.6 | 294.4 | 261.1 | 233.8 | 206.4 | 182.8 | 157.5 | 148.7 |
| 17.5° | 501.6 | 464.1 | 381.2 | 312.9 | 269.1 | 233.3 | 195.4 | 164.7 | 140.7 | 117.5 | 112.0 |
| 20° | 540.8 | 483.5 | 393.4 | 305.4 | 245.1 | 197.1 | 154.2 | 123.4 | 96.5 | 81.3 | 77.5 |
| 22.5° | 585.4 | 516.4 | 394.7 | 285.1 | 221.1 | 160.9 | 112.5 | 81.3 | 66.1 | 59.0 | 56.9 |
| 25° | 640.2 | 569.0 | 409.8 | 268.7 | 192.9 | 122.1 | 80.0 | 62.3 | 53.5 | 49.3 | 48.4 |
| 27.5° | 685.3 | 605.7 | 426.2 | 251.4 | 165.1 | 90.6 | 62.8 | 51.0 | 46.3 | 42.1 | 41.7 |
| 30° | 732.0 | 647.8 | 430.9 | 240.9 | 141.1 | 74.5 | 53.9 | 45.1 | 40.0 | 37.9 | 37.5 |
| 32.5° | 772.9 | 693.7 | 445.6 | 223.6 | 118.4 | 65.7 | 48.9 | 40.4 | 37.1 | 33.7 | 33.3 |
| 35° | 825.5 | 720.2 | 452.8 | 214.4 | 109.9 | 59.4 | 44.6 | 37.1 | 32.0 | 29.9 | 29.1 |
| 37.5° | 882.0 | 745.9 | 457.4 | 207.2 | 102.8 | 55.6 | 42.1 | 35.0 | 30.3 | 27.4 | 26.5 |
| 40° | 934.6 | 782.1 | 450.7 | 198.4 | 97.3 | 51.0 | 40.4 | 32.4 | 28.2 | 25.3 | 24.0 |
| 42.5° | 975.0 | 817.5 | 448.6 | 190.0 | 91.4 | 49.3 | 38.3 | 31.2 | 26.5 | 23.2 | 22.7 |
| 45° | 997.8 | 841.5 | 433.8 | 183.2 | 86.8 | 50.1 | 37.5 | 29.5 | 25.3 | 22.3 | 20.6 |
| 47.5° | 992.3 | 860.1 | 437.6 | 181.1 | 80.4 | 46.8 | 37.1 | 28.2 | 23.2 | 20.6 | 19.4 |
| 50° | 1022.6 | 897.5 | 431.3 | 174.4 | 75.8 | 42.1 | 40.4 | 28.2 | 22.7 | 19.8 | 18.5 |
| 52.5° | 1027.7 | 931.7 | 444.8 | 162.2 | 68.7 | 38.7 | 40.0 | 27.8 | 21.9 | 19.0 | 17.3 |
| 55° | 1069.8 | 971.3 | 470.9 | 155.4 | 62.8 | 33.7 | 36.6 | 27.0 | 19.8 | 17.3 | 16.4 |
| 57.5° | 1127.1 | 1053.4 | 487.7 | 149.1 | 54.8 | 29.5 | 30.7 | 26.5 | 18.1 | 16.0 | 14.7 |
| 60° | 1182.3 | 1086.2 | 489.0 | 137.7 | 47.2 | 26.5 | 24.0 | 26.5 | 16.8 | 14.3 | 13.1 |
| 62.5° | 1223.5 | 1086.2 | 480.6 | 128.0 | 41.3 | 23.6 | 21.1 | 25.3 | 15.2 | 12.6 | 11.8 |
| 65° | 1201.2 | 1057.2 | 458.7 | 120.0 | 37.5 | 20.6 | 18.1 | 19.4 | 13.5 | 11.0 | 10.1 |
| 67.5° | 1161.2 | 966.6 | 410.2 | 110.4 | 37.1 | 18.1 | 15.6 | 14.3 | 11.8 | 9.7 | 8.8 |
| 70° | 1097.2 | 844.5 | 341.6 | 99.4 | 36.2 | 16.4 | 13.9 | 12.2 | 10.5 | 8.4 | 7.6 |
| 72.5° | 884.1 | 697.5 | 280.5 | 93.1 | 35.4 | 14.3 | 11.8 | 10.5 | 8.8 | 7.2 | 6.3 |
| 75° | 612.4 | 445.6 | 216.1 | 79.6 | 34.5 | 13.1 | 11.0 | 9.3 | 7.6 | 5.9 | 5.5 |
| 77.5° | 367.3 | 297.8 | 139.4 | 59.8 | 22.7 | 10.5 | 9.3 | 7.2 | 6.3 | 5.1 | 4.6 |
| 80° | 171.8 | 140.7 | 56.4 | 23.2 | 11.0 | 7.6 | 6.3 | 5.5 | 5.1 | 4.2 | 3.8 |
| 82.5° | 67.4 | 59.4 | 27.4 | 13.5 | 8.8 | 5.9 | 5.1 | 4.6 | 4.2 | 3.4 | 2.9 |
| 85° | 36.2 | 32.0 | 13.1 | 9.3 | 6.3 | 4.2 | 4.2 | 3.8 | 3.4 | 2.9 | 2.5 |
| 87.5° | 8.0 | 5.9 | 5.5 | 5.5 | 4.6 | 3.4 | 3.4 | 2.9 | 2.5 | 2.1 | 1.7 |
| 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: P674170
 CATALOG NUMBER: CCP-SA-1A-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 |
| 2.5° | 520.6 | 526.9 | 516.8 | 523.1 | 514.3 | 521.0 | 521.8 | 515.5 | 517.2 | 525.6 | 529.4 |
| 5° | 443.5 | 439.3 | 430.0 | 427.1 | 427.5 | 422.0 | 424.1 | 427.1 | 431.7 | 434.2 | 441.8 |
| 7.5° | 319.7 | 329.4 | 328.9 | 336.1 | 336.5 | 335.7 | 329.8 | 317.2 | 321.4 | 318.0 | 322.2 |
| 10° | 228.7 | 232.9 | 240.9 | 245.6 | 254.0 | 249.3 | 235.9 | 230.8 | 228.3 | 227.9 | 232.1 |
| 12.5° | 182.8 | 172.7 | 171.8 | 173.5 | 177.7 | 172.3 | 165.5 | 159.6 | 162.6 | 168.5 | 173.1 |
| 15° | 141.5 | 133.1 | 122.1 | 120.5 | 121.3 | 118.8 | 111.6 | 104.0 | 106.1 | 112.0 | 115.4 |
| 17.5° | 108.7 | 99.0 | 91.4 | 86.3 | 84.7 | 75.8 | 65.3 | 59.0 | 57.3 | 56.9 | 59.8 |
| 20° | 73.3 | 71.6 | 70.3 | 64.0 | 64.0 | 51.4 | 42.5 | 37.9 | 37.9 | 38.7 | 39.2 |
| 22.5° | 54.8 | 52.6 | 53.1 | 51.8 | 48.4 | 38.3 | 33.7 | 32.4 | 32.4 | 33.3 | 33.3 |
| 25° | 47.6 | 44.6 | 43.8 | 43.4 | 40.0 | 32.9 | 29.5 | 28.2 | 28.2 | 29.1 | 29.1 |
| 27.5° | 40.4 | 39.6 | 38.3 | 36.6 | 33.7 | 28.2 | 26.1 | 24.8 | 25.3 | 25.7 | 25.3 |
| 30° | 37.1 | 35.0 | 33.3 | 33.3 | 29.9 | 25.3 | 23.6 | 22.7 | 21.9 | 22.7 | 23.2 |
| 32.5° | 32.9 | 31.6 | 30.7 | 29.5 | 25.7 | 22.3 | 20.6 | 19.8 | 19.4 | 19.4 | 19.8 |
| 35° | 28.2 | 28.2 | 27.4 | 25.7 | 22.3 | 20.2 | 18.1 | 17.3 | 16.8 | 17.3 | 17.3 |
| 37.5° | 25.3 | 24.0 | 24.4 | 22.7 | 19.8 | 17.7 | 15.6 | 14.7 | 14.7 | 14.3 | 14.7 |
| 40° | 23.6 | 21.5 | 20.2 | 19.4 | 17.7 | 15.2 | 13.5 | 12.6 | 12.2 | 12.2 | 12.2 |
| 42.5° | 21.1 | 19.4 | 16.8 | 16.4 | 16.0 | 13.1 | 11.0 | 10.5 | 10.1 | 9.7 | 9.7 |
| 45° | 19.8 | 17.3 | 15.2 | 13.1 | 13.1 | 11.0 | 9.3 | 8.4 | 8.0 | 7.6 | 8.0 |
| 47.5° | 18.1 | 15.6 | 13.1 | 11.0 | 10.5 | 8.8 | 7.2 | 6.3 | 5.9 | 5.9 | 5.9 |
| 50° | 17.3 | 13.9 | 11.4 | 9.3 | 8.0 | 7.2 | 5.5 | 4.6 | 4.2 | 4.2 | 4.2 |
| 52.5° | 16.0 | 13.1 | 10.1 | 8.0 | 6.3 | 5.5 | 4.2 | 3.4 | 2.9 | 2.9 | 2.9 |
| 55° | 14.3 | 11.8 | 8.8 | 6.7 | 5.5 | 4.2 | 2.9 | 2.1 | 1.7 | 1.7 | 1.7 |
| 57.5° | 13.5 | 10.5 | 7.6 | 5.9 | 4.2 | 2.9 | 1.7 | 1.3 | 1.3 | 0.8 | 1.3 |
| 60° | 12.2 | 9.3 | 6.3 | 4.6 | 3.4 | 2.1 | 1.3 | 0.4 | 0.4 | 0.4 | 0.4 |
| 62.5° | 10.5 | 8.0 | 5.5 | 3.8 | 2.5 | 1.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 8.8 | 6.3 | 4.2 | 2.9 | 1.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 7.6 | 5.5 | 3.4 | 2.1 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 6.7 | 4.6 | 2.5 | 1.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 5.5 | 3.8 | 2.1 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 4.6 | 2.9 | 1.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 3.8 | 2.1 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 2.9 | 1.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 2.5 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 1.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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-1A-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 358° | 360° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 |
| 2.5° | 534.9 | 532.4 | 545.0 | 565.7 | 576.2 | 596.8 | 601.9 | 614.9 | 611.6 | 616.2 |
| 5° | 442.7 | 447.7 | 466.3 | 496.6 | 507.5 | 537.4 | 565.7 | 593.9 | 612.0 | 620.8 |
| 7.5° | 328.5 | 345.4 | 368.1 | 395.9 | 424.1 | 463.3 | 511.3 | 544.2 | 561.9 | 580.8 |
| 10° | 244.7 | 262.8 | 288.9 | 316.3 | 362.2 | 406.0 | 454.0 | 494.9 | 510.1 | 527.7 |
| 12.5° | 192.5 | 220.7 | 251.0 | 280.5 | 307.9 | 349.6 | 409.0 | 468.4 | 484.8 | 498.3 |
| 15° | 133.9 | 168.5 | 211.9 | 250.2 | 288.5 | 324.7 | 386.2 | 458.2 | 480.6 | 503.3 |
| 17.5° | 74.1 | 101.5 | 151.2 | 205.1 | 261.6 | 317.2 | 393.8 | 476.8 | 510.5 | 526.5 |
| 20° | 43.0 | 53.9 | 89.3 | 153.3 | 227.9 | 300.7 | 397.6 | 511.7 | 556.4 | 564.4 |
| 22.5° | 35.4 | 39.2 | 50.5 | 96.0 | 186.6 | 290.2 | 417.0 | 560.6 | 606.1 | 625.0 |
| 25° | 30.3 | 33.3 | 39.2 | 57.7 | 141.1 | 267.9 | 429.2 | 621.7 | 663.8 | 684.4 |
| 27.5° | 27.0 | 29.9 | 34.5 | 42.5 | 96.0 | 237.1 | 449.4 | 676.8 | 719.0 | 747.2 |
| 30° | 23.6 | 26.1 | 30.7 | 36.2 | 66.5 | 202.6 | 466.7 | 717.3 | 776.7 | 785.5 |
| 32.5° | 21.1 | 23.2 | 26.5 | 31.2 | 49.3 | 153.7 | 480.6 | 759.0 | 809.1 | 828.5 |
| 35° | 18.1 | 20.6 | 22.7 | 26.5 | 37.5 | 115.8 | 472.1 | 791.4 | 856.7 | 879.9 |
| 37.5° | 16.0 | 17.7 | 19.8 | 22.3 | 31.6 | 90.6 | 454.9 | 830.2 | 897.5 | 919.0 |
| 40° | 13.5 | 14.7 | 17.3 | 19.8 | 28.6 | 69.9 | 435.1 | 876.9 | 954.8 | 992.7 |
| 42.5° | 11.4 | 12.6 | 14.3 | 18.5 | 23.6 | 51.8 | 395.1 | 913.1 | 1001.2 | 1033.2 |
| 45° | 8.8 | 10.5 | 13.1 | 18.5 | 19.0 | 38.3 | 353.8 | 940.1 | 1027.3 | 1043.3 |
| 47.5° | 6.7 | 8.4 | 12.6 | 16.0 | 15.2 | 26.5 | 304.9 | 970.8 | 1054.2 | 1069.0 |
| 50° | 5.1 | 6.7 | 14.3 | 13.9 | 12.6 | 20.2 | 274.2 | 992.3 | 1055.9 | 1063.9 |
| 52.5° | 3.4 | 5.1 | 11.8 | 10.5 | 10.5 | 17.7 | 265.8 | 991.5 | 1060.1 | 1042.9 |
| 55° | 2.5 | 3.8 | 6.7 | 7.6 | 9.3 | 15.6 | 258.2 | 1023.1 | 1061.4 | 1073.6 |
| 57.5° | 1.7 | 2.9 | 4.6 | 5.9 | 8.0 | 13.5 | 242.6 | 1061.0 | 1100.6 | 1106.9 |
| 60° | 0.8 | 2.1 | 3.4 | 4.6 | 6.7 | 11.8 | 220.7 | 1088.8 | 1148.2 | 1154.9 |
| 62.5° | 0.4 | 1.3 | 2.5 | 3.8 | 5.5 | 9.3 | 198.0 | 1044.5 | 1127.5 | 1139.3 |
| 65° | 0.0 | 0.8 | 1.7 | 2.5 | 3.4 | 6.7 | 160.9 | 943.0 | 1045.8 | 1089.2 |
| 67.5° | 0.0 | 0.0 | 0.8 | 1.7 | 2.1 | 5.1 | 121.3 | 858.0 | 970.4 | 1029.4 |
| 70° | 0.0 | 0.0 | 0.4 | 0.4 | 1.3 | 3.8 | 77.5 | 710.5 | 866.4 | 898.8 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 2.5 | 45.1 | 527.7 | 679.0 | 739.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 22.7 | 339.5 | 472.6 | 553.4 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 12.2 | 219.0 | 348.3 | 416.1 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 7.2 | 127.2 | 222.8 | 270.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 62.3 | 133.1 | 155.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 33.3 | 66.5 | 87.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 4.6 | 8.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)