

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208617

Luminaire Tested: UPW-SA1-070-750-U-SLR

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-750-U-SLR
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR RIGH OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7958 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 67
Input Voltage (V): NR
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: 28.75 FT

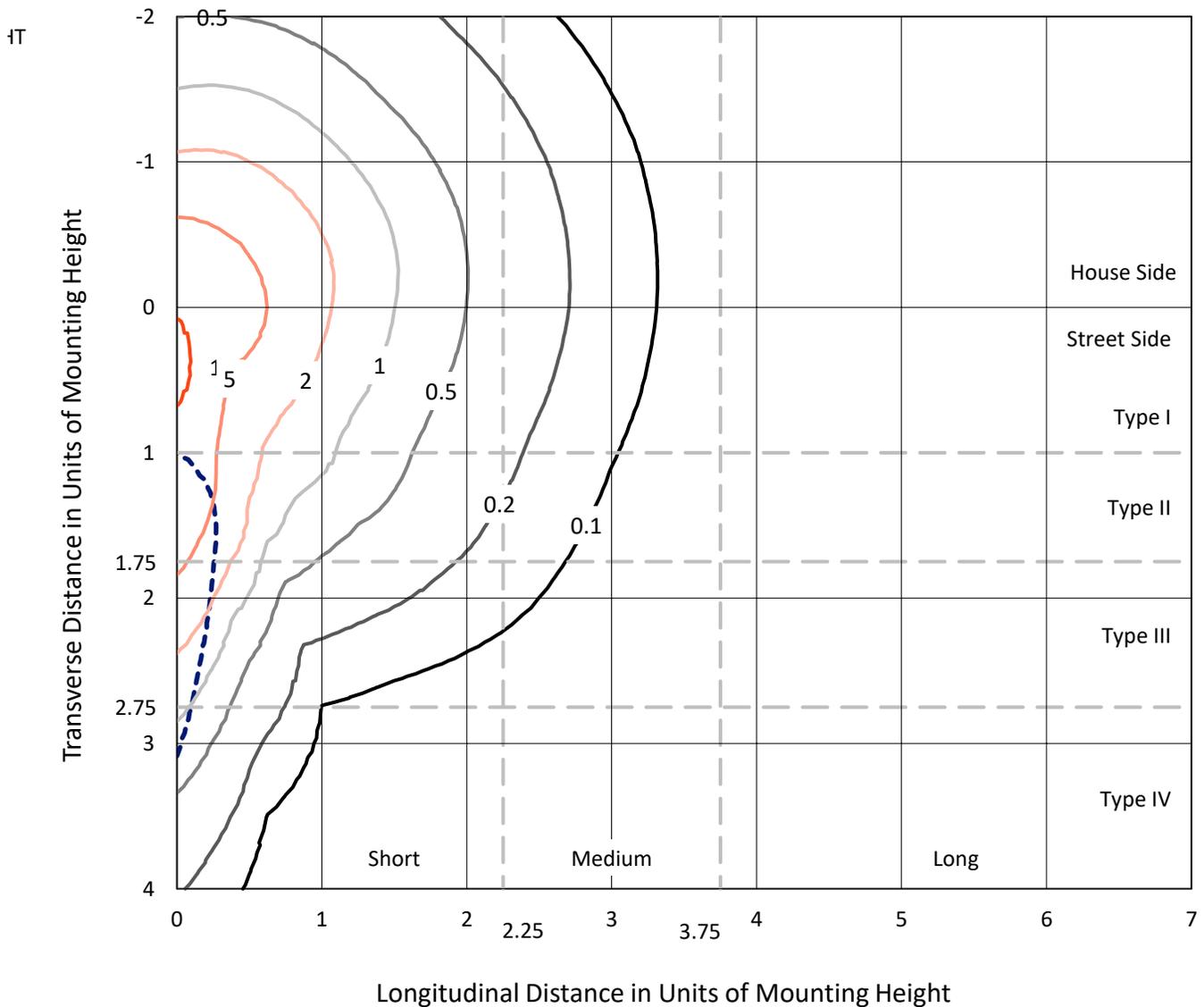


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

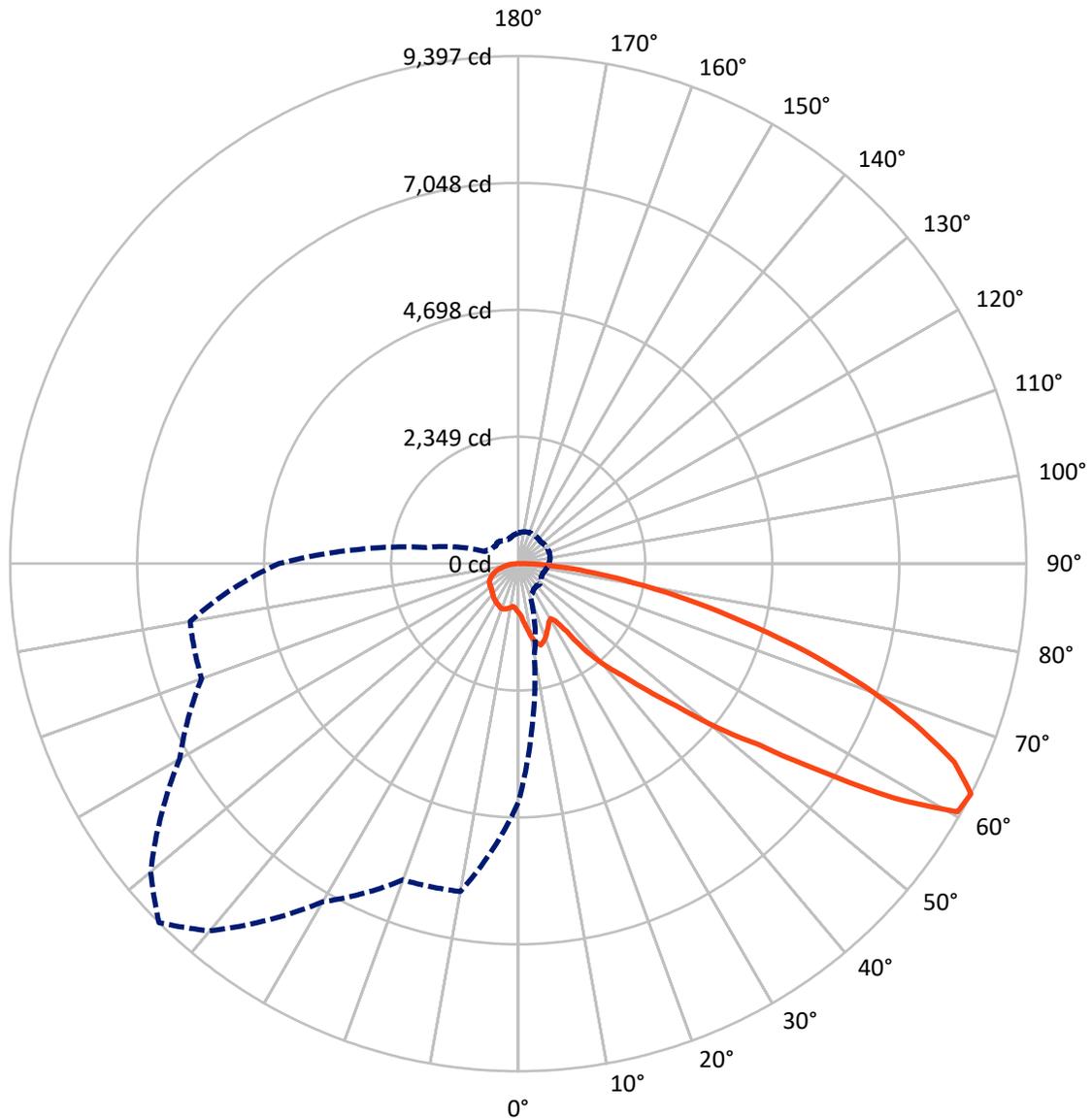


Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1950.2 | 0.0 | 1950.2 |
| | % Fixture | 24.5 | 0.0 | 24.5 |
| Street Side | Lumens | 6007.8 | 0.0 | 6007.8 |
| | % Fixture | 75.5 | 0.0 | 75.5 |
| Total | Lumens | 7958.0 | 0.0 | 7958.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 90.5 | 1.1 |
| 10°-20° | 305.3 | 3.8 |
| 20°-30° | 496.6 | 6.2 |
| 30°-40° | 677.3 | 8.5 |
| 40°-50° | 1025.5 | 12.9 |
| 50°-60° | 1763.4 | 22.2 |
| 60°-70° | 2068.1 | 26.0 |
| 70°-80° | 1233.4 | 15.5 |
| 80°-90° | 297.9 | 3.7 |
| 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° | 7958.0 | 100.0 |
| 0°-180° | 7958.0 | 100.0 |



REPORT NUMBER: P1208617

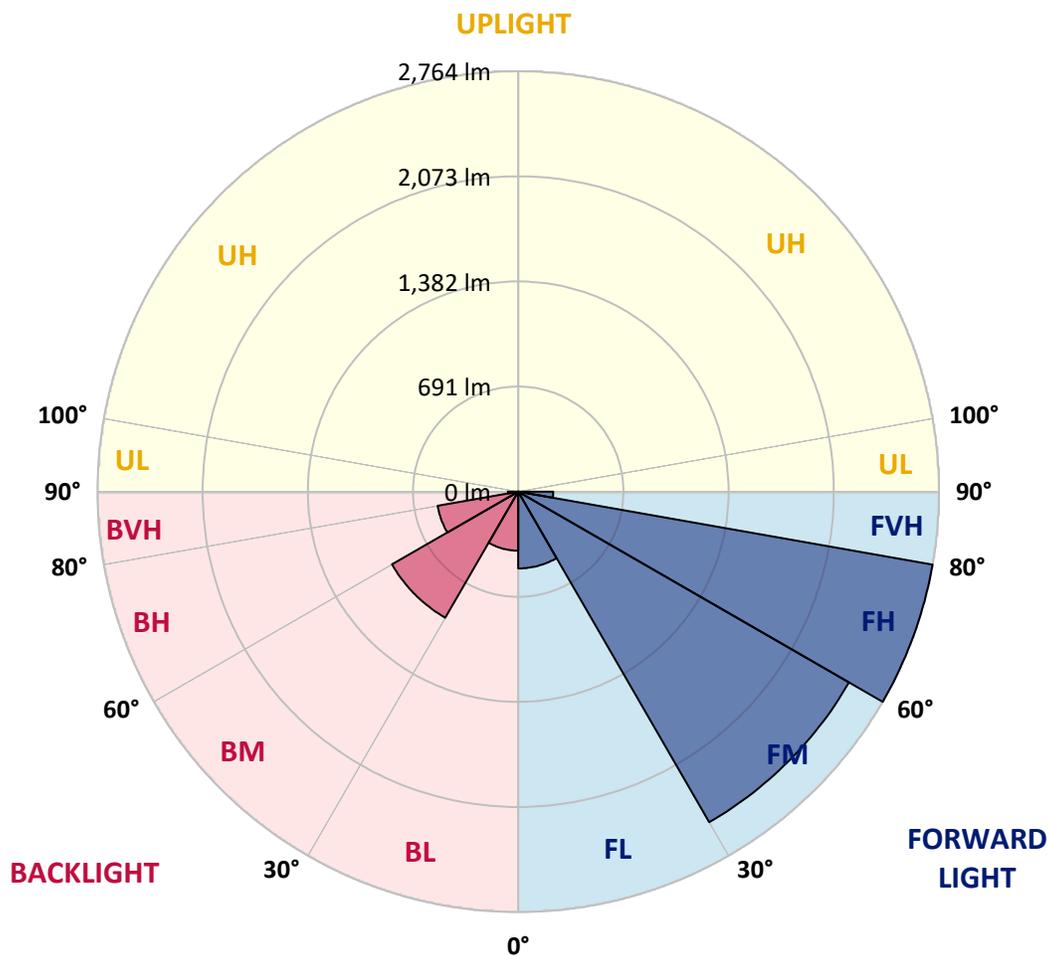
CATALOG NUMBER: UPW-SA1-070-750-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 504.4 | 6.3 | | | |
| FM | (30°-60°) | 2509.0 | 31.5 | | | |
| FH | (60°-80°) | 2764.1 | 34.7 | | | G2/5000 |
| FVH | (80°-90°) | 230.2 | 2.9 | | | G3/500 |
| BL | (0°-30°) | 387.9 | 4.9 | B1/500 | | |
| BM | (30°-60°) | 957.2 | 12.0 | B1/1000 | | |
| BH | (60°-80°) | 537.4 | 6.8 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 67.7 | 0.9 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type III Short





REPORT NUMBER: P1208617

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5° | 944.5 | 942.0 | 941.1 | 937.8 | 934.5 | 928.6 | 922.7 | 918.5 | 914.2 | 909.3 | 901.6 |
| 5° | 1010.3 | 1002.9 | 992.7 | 978.2 | 963.6 | 949.9 | 936.3 | 924.8 | 913.3 | 903.1 | 893.6 |
| 7.5° | 1099.7 | 1066.2 | 1038.0 | 1014.8 | 991.6 | 969.6 | 947.6 | 930.7 | 913.8 | 897.8 | 882.0 |
| 10° | 1164.6 | 1136.9 | 1104.1 | 1064.6 | 1025.2 | 994.5 | 963.9 | 945.0 | 926.2 | 911.6 | 886.7 |
| 12.5° | 1243.3 | 1200.7 | 1154.4 | 1106.7 | 1059.0 | 1020.2 | 981.6 | 954.3 | 927.1 | 906.7 | 896.3 |
| 15° | 1321.1 | 1269.3 | 1210.8 | 1148.0 | 1085.2 | 1036.1 | 987.0 | 955.7 | 924.5 | 903.1 | 897.2 |
| 17.5° | 1406.9 | 1331.1 | 1256.2 | 1181.8 | 1107.4 | 1043.5 | 979.6 | 942.9 | 906.2 | 885.3 | 895.0 |
| 20° | 1467.8 | 1391.3 | 1310.2 | 1220.0 | 1129.6 | 1049.2 | 968.7 | 924.4 | 880.0 | 859.5 | 863.9 |
| 22.5° | 1512.8 | 1432.8 | 1345.6 | 1241.1 | 1136.6 | 1041.2 | 945.8 | 895.7 | 845.6 | 825.3 | 842.8 |
| 25° | 1573.7 | 1478.0 | 1376.0 | 1254.4 | 1132.8 | 1024.2 | 915.6 | 864.4 | 813.3 | 796.4 | 814.2 |
| 27.5° | 1612.8 | 1526.6 | 1428.3 | 1291.4 | 1154.5 | 1028.4 | 902.2 | 845.6 | 788.8 | 770.6 | 787.8 |
| 30° | 1669.7 | 1581.1 | 1476.3 | 1322.9 | 1169.5 | 1030.8 | 892.2 | 832.6 | 773.0 | 753.3 | 758.9 |
| 32.5° | 1727.1 | 1631.5 | 1517.4 | 1343.3 | 1169.3 | 1019.0 | 868.7 | 812.8 | 756.8 | 739.0 | 744.6 |
| 35° | 1774.2 | 1680.3 | 1559.9 | 1362.1 | 1164.3 | 1002.2 | 840.0 | 788.8 | 737.4 | 723.9 | 722.2 |
| 37.5° | 1856.9 | 1744.7 | 1601.7 | 1376.7 | 1151.7 | 977.2 | 802.6 | 753.7 | 704.8 | 695.0 | 691.3 |
| 40° | 1972.1 | 1848.7 | 1676.6 | 1409.8 | 1143.0 | 953.0 | 763.1 | 715.8 | 668.6 | 665.2 | 662.6 |
| 42.5° | 2132.6 | 1962.5 | 1745.9 | 1441.3 | 1136.6 | 932.9 | 729.3 | 684.0 | 638.7 | 632.3 | 625.2 |
| 45° | 2407.9 | 2146.5 | 1842.3 | 1484.4 | 1126.6 | 916.8 | 707.0 | 661.5 | 615.9 | 597.2 | 596.9 |
| 47.5° | 2868.6 | 2454.7 | 1997.3 | 1553.2 | 1109.2 | 900.1 | 691.0 | 649.7 | 608.5 | 579.0 | 567.9 |
| 50° | 3477.7 | 2895.7 | 2245.4 | 1674.8 | 1104.4 | 894.0 | 683.7 | 645.8 | 608.1 | 564.7 | 543.9 |
| 52.5° | 4038.0 | 3280.3 | 2446.1 | 1768.0 | 1089.9 | 878.6 | 667.2 | 638.0 | 608.8 | 565.6 | 537.4 |
| 55° | 4524.1 | 3538.7 | 2528.2 | 1792.4 | 1056.5 | 846.8 | 637.2 | 626.4 | 615.6 | 590.1 | 540.7 |
| 57.5° | 4874.5 | 3576.3 | 2377.0 | 1678.3 | 979.6 | 799.4 | 619.2 | 612.4 | 605.6 | 606.1 | 550.3 |
| 60° | 4814.4 | 3353.9 | 2044.8 | 1429.9 | 814.8 | 710.6 | 606.3 | 586.0 | 565.6 | 585.2 | 552.3 |
| 62.5° | 4423.1 | 2985.9 | 1717.5 | 1188.2 | 659.0 | 609.6 | 560.1 | 543.8 | 527.6 | 550.5 | 538.8 |
| 65° | 3936.6 | 2577.3 | 1409.8 | 966.7 | 523.6 | 513.9 | 504.1 | 500.5 | 497.0 | 502.9 | 509.6 |
| 67.5° | 3377.3 | 2147.5 | 1124.3 | 760.6 | 396.8 | 405.6 | 414.4 | 431.7 | 448.9 | 451.3 | 466.9 |
| 70° | 2896.1 | 1759.7 | 864.6 | 590.9 | 317.0 | 329.1 | 341.1 | 366.6 | 392.2 | 404.6 | 418.6 |
| 72.5° | 2322.1 | 1357.8 | 633.2 | 445.7 | 258.4 | 268.8 | 279.3 | 308.2 | 337.1 | 364.2 | 379.2 |
| 75° | 1708.4 | 977.2 | 446.4 | 329.6 | 212.7 | 220.5 | 228.1 | 254.9 | 281.7 | 316.2 | 331.8 |
| 77.5° | 1184.6 | 673.0 | 311.4 | 242.8 | 174.1 | 177.9 | 181.6 | 206.0 | 230.3 | 270.8 | 287.1 |
| 80° | 653.2 | 387.4 | 201.0 | 167.6 | 134.3 | 136.9 | 139.4 | 159.7 | 180.1 | 216.1 | 235.1 |
| 82.5° | 323.3 | 206.6 | 126.5 | 112.9 | 99.2 | 100.6 | 102.1 | 117.5 | 133.0 | 158.7 | 179.1 |
| 85° | 127.2 | 93.4 | 71.0 | 67.2 | 63.6 | 64.4 | 65.1 | 74.8 | 84.5 | 100.5 | 121.1 |
| 87.5° | 45.8 | 35.6 | 29.5 | 28.3 | 26.9 | 26.0 | 25.1 | 30.1 | 34.9 | 43.6 | 68.7 |
| 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: P1208617

CATALOG NUMBER: UPW-SA1-070-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5° | 897.7 | 893.8 | 890.0 | 886.2 | 882.7 | 879.1 | 876.4 | 873.8 | 868.5 | 863.4 | 860.4 |
| 5° | 882.9 | 872.3 | 863.0 | 853.8 | 848.0 | 842.2 | 836.0 | 829.8 | 824.9 | 820.1 | 816.4 |
| 7.5° | 869.5 | 856.9 | 846.6 | 836.4 | 828.1 | 819.8 | 813.8 | 808.0 | 806.8 | 805.7 | 803.2 |
| 10° | 873.4 | 860.2 | 850.2 | 840.2 | 832.6 | 825.1 | 820.9 | 816.9 | 815.5 | 814.2 | 814.1 |
| 12.5° | 890.1 | 884.0 | 876.8 | 869.6 | 861.9 | 854.5 | 854.7 | 855.1 | 848.6 | 842.2 | 840.5 |
| 15° | 899.2 | 901.3 | 903.7 | 906.1 | 904.0 | 902.0 | 894.6 | 887.1 | 879.5 | 871.7 | 869.2 |
| 17.5° | 902.1 | 909.1 | 919.8 | 930.4 | 934.9 | 939.3 | 930.6 | 921.8 | 909.4 | 897.2 | 891.3 |
| 20° | 880.4 | 896.9 | 917.0 | 937.2 | 944.6 | 952.0 | 943.6 | 935.1 | 921.4 | 907.6 | 898.4 |
| 22.5° | 863.1 | 883.3 | 904.4 | 925.4 | 931.9 | 938.4 | 933.7 | 928.9 | 914.1 | 899.1 | 889.2 |
| 25° | 834.1 | 853.9 | 874.2 | 894.5 | 903.7 | 912.9 | 911.7 | 910.7 | 895.2 | 879.7 | 868.9 |
| 27.5° | 804.5 | 821.3 | 839.1 | 856.9 | 867.2 | 877.6 | 879.0 | 880.4 | 868.9 | 857.3 | 847.2 |
| 30° | 770.4 | 781.9 | 797.6 | 813.0 | 823.7 | 834.4 | 838.1 | 841.8 | 834.4 | 827.1 | 820.1 |
| 32.5° | 749.4 | 754.2 | 765.3 | 776.4 | 786.5 | 796.7 | 802.3 | 808.0 | 806.7 | 805.6 | 802.9 |
| 35° | 722.0 | 721.7 | 726.7 | 731.7 | 740.9 | 750.2 | 761.1 | 771.9 | 773.4 | 774.8 | 775.9 |
| 37.5° | 688.2 | 685.0 | 688.3 | 691.5 | 699.5 | 707.5 | 718.8 | 730.1 | 738.2 | 746.3 | 750.1 |
| 40° | 658.1 | 653.7 | 654.0 | 654.4 | 661.6 | 668.8 | 679.5 | 690.1 | 705.2 | 720.2 | 728.5 |
| 42.5° | 623.1 | 620.9 | 619.8 | 618.5 | 624.7 | 630.7 | 646.9 | 663.0 | 679.8 | 696.5 | 703.9 |
| 45° | 592.1 | 587.4 | 589.1 | 590.7 | 598.4 | 606.1 | 620.0 | 634.1 | 653.3 | 672.5 | 681.7 |
| 47.5° | 565.4 | 562.9 | 565.6 | 568.3 | 576.1 | 583.8 | 601.0 | 618.1 | 636.9 | 655.6 | 665.3 |
| 50° | 542.4 | 540.9 | 548.5 | 556.0 | 564.9 | 573.8 | 588.7 | 603.4 | 623.4 | 643.4 | 656.8 |
| 52.5° | 533.5 | 529.6 | 540.7 | 551.8 | 558.6 | 565.4 | 579.3 | 593.2 | 615.1 | 636.9 | 649.9 |
| 55° | 528.0 | 515.4 | 529.0 | 542.5 | 550.7 | 558.9 | 574.3 | 589.6 | 609.1 | 628.6 | 641.0 |
| 57.5° | 526.1 | 502.0 | 515.4 | 528.7 | 542.9 | 557.2 | 572.7 | 588.3 | 608.2 | 628.0 | 638.7 |
| 60° | 524.2 | 496.1 | 503.8 | 511.5 | 531.9 | 552.3 | 567.0 | 581.6 | 600.1 | 618.5 | 625.9 |
| 62.5° | 514.9 | 491.1 | 490.2 | 489.3 | 511.2 | 532.9 | 549.7 | 566.5 | 583.3 | 600.1 | 605.3 |
| 65° | 494.0 | 478.5 | 471.5 | 464.7 | 483.9 | 503.2 | 521.1 | 538.9 | 552.8 | 566.7 | 573.1 |
| 67.5° | 458.4 | 449.8 | 444.5 | 439.2 | 457.9 | 476.7 | 490.5 | 504.3 | 518.0 | 531.8 | 537.1 |
| 70° | 419.8 | 420.8 | 416.9 | 412.8 | 426.7 | 440.4 | 458.1 | 475.8 | 483.4 | 491.1 | 494.0 |
| 72.5° | 379.2 | 379.3 | 377.4 | 375.5 | 389.1 | 402.7 | 414.3 | 426.0 | 433.2 | 440.4 | 443.8 |
| 75° | 333.3 | 334.8 | 333.6 | 332.4 | 344.1 | 355.7 | 366.4 | 377.1 | 384.9 | 392.6 | 394.7 |
| 77.5° | 290.7 | 294.4 | 292.9 | 291.5 | 298.6 | 305.8 | 310.3 | 314.8 | 323.7 | 332.6 | 334.3 |
| 80° | 240.4 | 245.6 | 245.3 | 244.7 | 248.1 | 251.5 | 252.7 | 253.9 | 260.5 | 267.0 | 268.8 |
| 82.5° | 187.4 | 195.7 | 201.7 | 207.7 | 209.9 | 212.1 | 202.3 | 192.5 | 197.8 | 202.9 | 207.0 |
| 85° | 136.4 | 151.6 | 162.7 | 173.9 | 167.3 | 160.8 | 135.5 | 110.3 | 120.2 | 130.3 | 137.0 |
| 87.5° | 84.2 | 99.8 | 105.5 | 111.2 | 102.4 | 93.6 | 75.1 | 56.5 | 64.6 | 72.7 | 79.3 |
| 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: P1208617

CATALOG NUMBER: UPW-SA1-070-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5° | 857.5 | 856.5 | 855.5 | 857.7 | 859.8 | 862.7 | 859.8 | 857.7 | 855.5 | 856.5 | 857.5 |
| 5° | 812.7 | 811.1 | 809.5 | 810.0 | 810.4 | 810.2 | 810.4 | 810.0 | 809.5 | 811.1 | 812.7 |
| 7.5° | 800.8 | 800.6 | 800.4 | 801.1 | 801.7 | 798.6 | 801.7 | 801.1 | 800.4 | 800.6 | 800.8 |
| 10° | 813.9 | 816.4 | 818.9 | 820.9 | 823.1 | 821.7 | 823.1 | 820.9 | 818.9 | 816.4 | 813.9 |
| 12.5° | 838.8 | 842.0 | 845.0 | 846.2 | 847.4 | 844.9 | 847.4 | 846.2 | 845.0 | 842.0 | 838.8 |
| 15° | 866.7 | 866.4 | 866.2 | 865.1 | 864.0 | 862.7 | 864.0 | 865.1 | 866.2 | 866.4 | 866.7 |
| 17.5° | 885.6 | 883.0 | 880.4 | 879.2 | 878.0 | 879.6 | 878.0 | 879.2 | 880.4 | 883.0 | 885.6 |
| 20° | 889.3 | 888.0 | 886.7 | 886.6 | 886.5 | 885.8 | 886.5 | 886.6 | 886.7 | 888.0 | 889.3 |
| 22.5° | 879.4 | 875.2 | 871.1 | 872.9 | 874.7 | 880.4 | 874.7 | 872.9 | 871.1 | 875.2 | 879.4 |
| 25° | 858.0 | 856.0 | 853.9 | 853.4 | 852.9 | 850.2 | 852.9 | 853.4 | 853.9 | 856.0 | 858.0 |
| 27.5° | 837.0 | 835.3 | 833.5 | 835.8 | 837.9 | 839.5 | 837.9 | 835.8 | 833.5 | 835.3 | 837.0 |
| 30° | 813.3 | 813.7 | 813.9 | 817.4 | 820.9 | 827.1 | 820.9 | 817.4 | 813.9 | 813.7 | 813.3 |
| 32.5° | 800.2 | 796.7 | 793.1 | 794.3 | 795.5 | 800.4 | 795.5 | 794.3 | 793.1 | 796.7 | 800.2 |
| 35° | 776.8 | 776.8 | 776.8 | 779.8 | 782.6 | 788.8 | 782.6 | 779.8 | 776.8 | 776.8 | 776.8 |
| 37.5° | 753.7 | 756.6 | 759.5 | 760.7 | 762.0 | 762.2 | 762.0 | 760.7 | 759.5 | 756.6 | 753.7 |
| 40° | 736.8 | 737.2 | 737.4 | 735.7 | 733.9 | 734.6 | 733.9 | 735.7 | 737.4 | 737.2 | 736.8 |
| 42.5° | 711.3 | 714.5 | 717.7 | 718.5 | 719.3 | 721.3 | 719.3 | 718.5 | 717.7 | 714.5 | 711.3 |
| 45° | 690.8 | 692.4 | 694.1 | 693.7 | 693.2 | 691.0 | 693.2 | 693.7 | 694.1 | 692.4 | 690.8 |
| 47.5° | 675.0 | 676.4 | 677.9 | 679.0 | 680.2 | 682.1 | 680.2 | 679.0 | 677.9 | 676.4 | 675.0 |
| 50° | 670.1 | 669.7 | 669.2 | 665.7 | 662.1 | 660.8 | 662.1 | 665.7 | 669.2 | 669.7 | 670.1 |
| 52.5° | 662.7 | 663.9 | 665.0 | 663.0 | 661.0 | 661.7 | 661.0 | 663.0 | 665.0 | 663.9 | 662.7 |
| 55° | 653.5 | 654.7 | 656.2 | 652.2 | 648.3 | 645.7 | 648.3 | 652.2 | 656.2 | 654.7 | 653.5 |
| 57.5° | 649.4 | 647.0 | 644.6 | 641.6 | 638.5 | 639.4 | 638.5 | 641.6 | 644.6 | 647.0 | 649.4 |
| 60° | 633.2 | 630.4 | 627.4 | 620.8 | 614.4 | 609.2 | 614.4 | 620.8 | 627.4 | 630.4 | 633.2 |
| 62.5° | 610.5 | 607.8 | 604.9 | 597.5 | 590.1 | 580.7 | 590.1 | 597.5 | 604.9 | 607.8 | 610.5 |
| 65° | 579.4 | 574.9 | 570.2 | 562.9 | 555.4 | 550.5 | 555.4 | 562.9 | 570.2 | 574.9 | 579.4 |
| 67.5° | 542.3 | 537.2 | 532.3 | 522.5 | 512.7 | 505.1 | 512.7 | 522.5 | 532.3 | 537.2 | 542.3 |
| 70° | 497.0 | 492.2 | 487.4 | 481.1 | 474.9 | 469.6 | 474.9 | 481.1 | 487.4 | 492.2 | 497.0 |
| 72.5° | 447.2 | 441.8 | 436.5 | 428.1 | 419.8 | 414.4 | 419.8 | 428.1 | 436.5 | 441.8 | 447.2 |
| 75° | 396.6 | 390.0 | 383.3 | 374.6 | 366.0 | 358.4 | 366.0 | 374.6 | 383.3 | 390.0 | 396.6 |
| 77.5° | 336.0 | 330.9 | 325.9 | 317.8 | 309.7 | 302.4 | 309.7 | 317.8 | 325.9 | 330.9 | 336.0 |
| 80° | 270.5 | 268.1 | 265.7 | 259.0 | 252.4 | 242.8 | 252.4 | 259.0 | 265.7 | 268.1 | 270.5 |
| 82.5° | 211.0 | 209.9 | 208.8 | 203.2 | 197.6 | 189.4 | 197.6 | 203.2 | 208.8 | 209.9 | 211.0 |
| 85° | 143.6 | 144.8 | 145.9 | 141.9 | 138.0 | 131.6 | 138.0 | 141.9 | 145.9 | 144.8 | 143.6 |
| 87.5° | 86.1 | 81.7 | 77.4 | 68.5 | 59.6 | 49.8 | 59.6 | 68.5 | 77.4 | 81.7 | 86.1 |
| 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: P1208617

CATALOG NUMBER: UPW-SA1-070-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5° | 860.4 | 863.4 | 868.5 | 873.8 | 876.4 | 879.1 | 882.7 | 886.2 | 890.0 | 893.8 | 897.7 |
| 5° | 816.4 | 820.1 | 824.9 | 829.8 | 836.0 | 842.2 | 848.0 | 853.8 | 863.0 | 872.3 | 882.9 |
| 7.5° | 803.2 | 805.7 | 806.8 | 808.0 | 813.8 | 819.8 | 828.1 | 836.4 | 846.6 | 856.9 | 869.5 |
| 10° | 814.1 | 814.2 | 815.5 | 816.9 | 820.9 | 825.1 | 832.6 | 840.2 | 850.2 | 860.2 | 873.4 |
| 12.5° | 840.5 | 842.2 | 848.6 | 855.1 | 854.7 | 854.5 | 861.9 | 869.6 | 876.8 | 884.0 | 890.1 |
| 15° | 869.2 | 871.7 | 879.5 | 887.1 | 894.6 | 902.0 | 904.0 | 906.1 | 903.7 | 901.3 | 899.2 |
| 17.5° | 891.3 | 897.2 | 909.4 | 921.8 | 930.6 | 939.3 | 934.9 | 930.4 | 919.8 | 909.1 | 902.1 |
| 20° | 898.4 | 907.6 | 921.4 | 935.1 | 943.6 | 952.0 | 944.6 | 937.2 | 917.0 | 896.9 | 880.4 |
| 22.5° | 889.2 | 899.1 | 914.1 | 928.9 | 933.7 | 938.4 | 931.9 | 925.4 | 904.4 | 883.3 | 863.1 |
| 25° | 868.9 | 879.7 | 895.2 | 910.7 | 911.7 | 912.9 | 903.7 | 894.5 | 874.2 | 853.9 | 834.1 |
| 27.5° | 847.2 | 857.3 | 868.9 | 880.4 | 879.0 | 877.6 | 867.2 | 856.9 | 839.1 | 821.3 | 804.5 |
| 30° | 820.1 | 827.1 | 834.4 | 841.8 | 838.1 | 834.4 | 823.7 | 813.0 | 797.6 | 781.9 | 770.4 |
| 32.5° | 802.9 | 805.6 | 806.7 | 808.0 | 802.3 | 796.7 | 786.5 | 776.4 | 765.3 | 754.2 | 749.4 |
| 35° | 775.9 | 774.8 | 773.4 | 771.9 | 761.1 | 750.2 | 740.9 | 731.7 | 726.7 | 721.7 | 722.0 |
| 37.5° | 750.1 | 746.3 | 738.2 | 730.1 | 718.8 | 707.5 | 699.5 | 691.5 | 688.3 | 685.0 | 688.2 |
| 40° | 728.5 | 720.2 | 705.2 | 690.1 | 679.5 | 668.8 | 661.6 | 654.4 | 654.0 | 653.7 | 658.1 |
| 42.5° | 703.9 | 696.5 | 679.8 | 663.0 | 646.9 | 630.7 | 624.7 | 618.5 | 619.8 | 620.9 | 623.1 |
| 45° | 681.7 | 672.5 | 653.3 | 634.1 | 620.0 | 606.1 | 598.4 | 590.7 | 589.1 | 587.4 | 592.1 |
| 47.5° | 665.3 | 655.6 | 636.9 | 618.1 | 601.0 | 583.8 | 576.1 | 568.3 | 565.6 | 562.9 | 565.4 |
| 50° | 656.8 | 643.4 | 623.4 | 603.4 | 588.7 | 573.8 | 564.9 | 556.0 | 548.5 | 540.9 | 542.4 |
| 52.5° | 649.9 | 636.9 | 615.1 | 593.2 | 579.3 | 565.4 | 558.6 | 551.8 | 540.7 | 529.6 | 533.5 |
| 55° | 641.0 | 628.6 | 609.1 | 589.6 | 574.3 | 558.9 | 550.7 | 542.5 | 529.0 | 515.4 | 528.0 |
| 57.5° | 638.7 | 628.0 | 608.2 | 588.3 | 572.7 | 557.2 | 542.9 | 528.7 | 515.4 | 502.0 | 526.1 |
| 60° | 625.9 | 618.5 | 600.1 | 581.6 | 567.0 | 552.3 | 531.9 | 511.5 | 503.8 | 496.1 | 524.2 |
| 62.5° | 605.3 | 600.1 | 583.3 | 566.5 | 549.7 | 532.9 | 511.2 | 489.3 | 490.2 | 491.1 | 514.9 |
| 65° | 573.1 | 566.7 | 552.8 | 538.9 | 521.1 | 503.2 | 483.9 | 464.7 | 471.5 | 478.5 | 494.0 |
| 67.5° | 537.1 | 531.8 | 518.0 | 504.3 | 490.5 | 476.7 | 457.9 | 439.2 | 444.5 | 449.8 | 458.4 |
| 70° | 494.0 | 491.1 | 483.4 | 475.8 | 458.1 | 440.4 | 426.7 | 412.8 | 416.9 | 420.8 | 419.8 |
| 72.5° | 443.8 | 440.4 | 433.2 | 426.0 | 414.3 | 402.7 | 389.1 | 375.5 | 377.4 | 379.3 | 379.2 |
| 75° | 394.7 | 392.6 | 384.9 | 377.1 | 366.4 | 355.7 | 344.1 | 332.4 | 333.6 | 334.8 | 333.3 |
| 77.5° | 334.3 | 332.6 | 323.7 | 314.8 | 310.3 | 305.8 | 298.6 | 291.5 | 292.9 | 294.4 | 290.7 |
| 80° | 268.8 | 267.0 | 260.5 | 253.9 | 252.7 | 251.5 | 248.1 | 244.7 | 245.3 | 245.6 | 240.4 |
| 82.5° | 207.0 | 202.9 | 197.8 | 192.5 | 202.3 | 212.1 | 209.9 | 207.7 | 201.7 | 195.7 | 187.4 |
| 85° | 137.0 | 130.3 | 120.2 | 110.3 | 135.5 | 160.8 | 167.3 | 173.9 | 162.7 | 151.6 | 136.4 |
| 87.5° | 79.3 | 72.7 | 64.6 | 56.5 | 75.1 | 93.6 | 102.4 | 111.2 | 105.5 | 99.8 | 84.2 |
| 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: P1208617

CATALOG NUMBER: UPW-SA1-070-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5° | 901.6 | 909.3 | 914.2 | 918.5 | 922.7 | 928.6 | 934.5 | 937.8 | 941.1 | 942.0 | 944.5 |
| 5° | 893.6 | 903.1 | 913.3 | 924.8 | 936.3 | 949.9 | 963.6 | 978.2 | 992.7 | 1002.9 | 1010.3 |
| 7.5° | 882.0 | 897.8 | 913.8 | 930.7 | 947.6 | 969.6 | 991.6 | 1014.8 | 1038.0 | 1066.2 | 1099.7 |
| 10° | 886.7 | 911.6 | 926.2 | 945.0 | 963.9 | 994.5 | 1025.2 | 1064.6 | 1104.1 | 1136.9 | 1164.6 |
| 12.5° | 896.3 | 906.7 | 927.1 | 954.3 | 981.6 | 1020.2 | 1059.0 | 1106.7 | 1154.4 | 1200.7 | 1243.3 |
| 15° | 897.2 | 903.1 | 924.5 | 955.7 | 987.0 | 1036.1 | 1085.2 | 1148.0 | 1210.8 | 1269.3 | 1321.1 |
| 17.5° | 895.0 | 885.3 | 906.2 | 942.9 | 979.6 | 1043.5 | 1107.4 | 1181.8 | 1256.2 | 1331.1 | 1406.9 |
| 20° | 863.9 | 859.5 | 880.0 | 924.4 | 968.7 | 1049.2 | 1129.6 | 1220.0 | 1310.2 | 1391.3 | 1467.8 |
| 22.5° | 842.8 | 825.3 | 845.6 | 895.7 | 945.8 | 1041.2 | 1136.6 | 1241.1 | 1345.6 | 1432.8 | 1512.8 |
| 25° | 814.2 | 796.4 | 813.3 | 864.4 | 915.6 | 1024.2 | 1132.8 | 1254.4 | 1376.0 | 1478.0 | 1573.7 |
| 27.5° | 787.8 | 770.6 | 788.8 | 845.6 | 902.2 | 1028.4 | 1154.5 | 1291.4 | 1428.3 | 1526.6 | 1612.8 |
| 30° | 758.9 | 753.3 | 773.0 | 832.6 | 892.2 | 1030.8 | 1169.5 | 1322.9 | 1476.3 | 1581.1 | 1669.7 |
| 32.5° | 744.6 | 739.0 | 756.8 | 812.8 | 868.7 | 1019.0 | 1169.3 | 1343.3 | 1517.4 | 1631.5 | 1727.1 |
| 35° | 722.2 | 723.9 | 737.4 | 788.8 | 840.0 | 1002.2 | 1164.3 | 1362.1 | 1559.9 | 1680.3 | 1774.2 |
| 37.5° | 691.3 | 695.0 | 704.8 | 753.7 | 802.6 | 977.2 | 1151.7 | 1376.7 | 1601.7 | 1744.7 | 1856.9 |
| 40° | 662.6 | 665.2 | 668.6 | 715.8 | 763.1 | 953.0 | 1143.0 | 1409.8 | 1676.6 | 1848.7 | 1972.1 |
| 42.5° | 625.2 | 632.3 | 638.7 | 684.0 | 729.3 | 932.9 | 1136.6 | 1441.3 | 1745.9 | 1962.5 | 2132.6 |
| 45° | 596.9 | 597.2 | 615.9 | 661.5 | 707.0 | 916.8 | 1126.6 | 1484.4 | 1842.3 | 2146.5 | 2407.9 |
| 47.5° | 567.9 | 579.0 | 608.5 | 649.7 | 691.0 | 900.1 | 1109.2 | 1553.2 | 1997.3 | 2454.7 | 2868.6 |
| 50° | 543.9 | 564.7 | 608.1 | 645.8 | 683.7 | 894.0 | 1104.4 | 1674.8 | 2245.4 | 2895.7 | 3477.7 |
| 52.5° | 537.4 | 565.6 | 608.8 | 638.0 | 667.2 | 878.6 | 1089.9 | 1768.0 | 2446.1 | 3280.3 | 4038.0 |
| 55° | 540.7 | 590.1 | 615.6 | 626.4 | 637.2 | 846.8 | 1056.5 | 1792.4 | 2528.2 | 3538.7 | 4524.1 |
| 57.5° | 550.3 | 606.1 | 605.6 | 612.4 | 619.2 | 799.4 | 979.6 | 1678.3 | 2377.0 | 3576.3 | 4874.5 |
| 60° | 552.3 | 585.2 | 565.6 | 586.0 | 606.3 | 710.6 | 814.8 | 1429.9 | 2044.8 | 3353.9 | 4814.4 |
| 62.5° | 538.8 | 550.5 | 527.6 | 543.8 | 560.1 | 609.6 | 659.0 | 1188.2 | 1717.5 | 2985.9 | 4423.1 |
| 65° | 509.6 | 502.9 | 497.0 | 500.5 | 504.1 | 513.9 | 523.6 | 966.7 | 1409.8 | 2577.3 | 3936.6 |
| 67.5° | 466.9 | 451.3 | 448.9 | 431.7 | 414.4 | 405.6 | 396.8 | 760.6 | 1124.3 | 2147.5 | 3377.3 |
| 70° | 418.6 | 404.6 | 392.2 | 366.6 | 341.1 | 329.1 | 317.0 | 590.9 | 864.6 | 1759.7 | 2896.1 |
| 72.5° | 379.2 | 364.2 | 337.1 | 308.2 | 279.3 | 268.8 | 258.4 | 445.7 | 633.2 | 1357.8 | 2322.1 |
| 75° | 331.8 | 316.2 | 281.7 | 254.9 | 228.1 | 220.5 | 212.7 | 329.6 | 446.4 | 977.2 | 1708.4 |
| 77.5° | 287.1 | 270.8 | 230.3 | 206.0 | 181.6 | 177.9 | 174.1 | 242.8 | 311.4 | 673.0 | 1184.6 |
| 80° | 235.1 | 216.1 | 180.1 | 159.7 | 139.4 | 136.9 | 134.3 | 167.6 | 201.0 | 387.4 | 653.2 |
| 82.5° | 179.1 | 158.7 | 133.0 | 117.5 | 102.1 | 100.6 | 99.2 | 112.9 | 126.5 | 206.6 | 323.3 |
| 85° | 121.1 | 100.5 | 84.5 | 74.8 | 65.1 | 64.4 | 63.6 | 67.2 | 71.0 | 93.4 | 127.2 |
| 87.5° | 68.7 | 43.6 | 34.9 | 30.1 | 25.1 | 26.0 | 26.9 | 28.3 | 29.5 | 35.6 | 45.8 |
| 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: P1208617

CATALOG NUMBER: UPW-SA1-070-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5° | 948.5 | 952.5 | 954.2 | 955.9 | 957.5 | 959.1 | 960.4 | 961.7 | 958.7 | 961.7 | 960.4 |
| 5° | 1022.7 | 1035.2 | 1045.9 | 1056.7 | 1064.9 | 1073.0 | 1077.0 | 1081.1 | 1087.7 | 1081.1 | 1077.0 |
| 7.5° | 1116.7 | 1133.7 | 1157.1 | 1180.6 | 1196.5 | 1212.3 | 1219.3 | 1226.2 | 1228.2 | 1226.2 | 1219.3 |
| 10° | 1208.2 | 1251.7 | 1277.6 | 1303.6 | 1322.5 | 1341.6 | 1357.8 | 1374.2 | 1392.7 | 1374.2 | 1357.8 |
| 12.5° | 1292.9 | 1342.5 | 1379.8 | 1417.2 | 1441.2 | 1465.2 | 1481.3 | 1497.5 | 1503.0 | 1497.5 | 1481.3 |
| 15° | 1375.3 | 1429.3 | 1464.4 | 1499.4 | 1518.1 | 1536.8 | 1544.8 | 1552.8 | 1562.6 | 1552.8 | 1544.8 |
| 17.5° | 1447.5 | 1488.0 | 1511.2 | 1534.3 | 1535.1 | 1535.9 | 1525.8 | 1515.8 | 1513.7 | 1515.8 | 1525.8 |
| 20° | 1501.4 | 1535.0 | 1535.4 | 1535.9 | 1515.9 | 1495.9 | 1478.4 | 1461.1 | 1453.2 | 1461.1 | 1478.4 |
| 22.5° | 1535.8 | 1558.8 | 1535.1 | 1511.4 | 1467.0 | 1422.5 | 1397.2 | 1372.0 | 1365.1 | 1372.0 | 1397.2 |
| 25° | 1577.2 | 1580.8 | 1532.5 | 1484.3 | 1422.2 | 1360.2 | 1327.9 | 1295.4 | 1287.8 | 1295.4 | 1327.9 |
| 27.5° | 1601.6 | 1590.3 | 1517.1 | 1443.8 | 1371.0 | 1298.3 | 1261.3 | 1224.4 | 1213.9 | 1224.4 | 1261.3 |
| 30° | 1629.1 | 1588.4 | 1494.0 | 1399.6 | 1326.4 | 1253.1 | 1222.2 | 1191.4 | 1181.9 | 1191.4 | 1222.2 |
| 32.5° | 1659.3 | 1591.5 | 1490.3 | 1389.1 | 1338.1 | 1287.0 | 1278.7 | 1270.2 | 1263.7 | 1270.2 | 1278.7 |
| 35° | 1698.1 | 1622.0 | 1545.8 | 1469.6 | 1477.4 | 1485.2 | 1512.6 | 1540.1 | 1539.4 | 1540.1 | 1512.6 |
| 37.5° | 1779.0 | 1701.1 | 1688.5 | 1676.0 | 1774.2 | 1872.5 | 1951.4 | 2030.2 | 2071.3 | 2030.2 | 1951.4 |
| 40° | 1917.4 | 1862.7 | 1908.3 | 1953.9 | 2090.5 | 2227.1 | 2320.5 | 2413.8 | 2482.1 | 2413.8 | 2320.5 |
| 42.5° | 2101.5 | 2070.4 | 2127.4 | 2184.4 | 2334.3 | 2484.1 | 2611.4 | 2738.6 | 2834.3 | 2738.6 | 2611.4 |
| 45° | 2375.8 | 2343.6 | 2370.8 | 2397.8 | 2585.5 | 2773.1 | 2972.5 | 3171.9 | 3340.3 | 3171.9 | 2972.5 |
| 47.5° | 2793.9 | 2719.1 | 2696.4 | 2673.5 | 2926.4 | 3179.2 | 3470.5 | 3762.1 | 3935.3 | 3762.1 | 3470.5 |
| 50° | 3361.0 | 3244.3 | 3137.8 | 3031.3 | 3388.0 | 3744.8 | 4169.2 | 4593.6 | 4772.2 | 4593.6 | 4169.2 |
| 52.5° | 3930.9 | 3823.7 | 3636.5 | 3449.3 | 3871.5 | 4293.7 | 4844.8 | 5396.0 | 5567.2 | 5396.0 | 4844.8 |
| 55° | 4568.9 | 4613.7 | 4360.4 | 4107.1 | 4575.5 | 5043.9 | 5749.9 | 6455.9 | 6758.1 | 6455.9 | 5749.9 |
| 57.5° | 5273.1 | 5671.7 | 5401.0 | 5130.4 | 5567.6 | 6004.8 | 6844.0 | 7683.2 | 8189.0 | 7683.2 | 6844.0 |
| 60° | 5613.4 | 6412.3 | 6292.1 | 6172.0 | 6545.5 | 6919.0 | 7829.5 | 8740.1 | 9330.9 | 8740.1 | 7829.5 |
| 62.5° | 5292.6 | 6162.2 | 6196.1 | 6230.0 | 6728.8 | 7227.6 | 8050.8 | 8874.0 | 9396.7 | 8874.0 | 8050.8 |
| 65° | 4755.1 | 5573.5 | 5623.7 | 5674.0 | 6250.7 | 6827.4 | 7634.9 | 8442.3 | 8864.0 | 8442.3 | 7634.9 |
| 67.5° | 4228.3 | 5079.4 | 5109.8 | 5140.2 | 5667.3 | 6194.4 | 6921.2 | 7647.9 | 7890.2 | 7647.9 | 6921.2 |
| 70° | 3706.8 | 4517.7 | 4584.1 | 4650.5 | 5110.8 | 5571.0 | 6109.1 | 6647.3 | 6785.6 | 6647.3 | 6109.1 |
| 72.5° | 3137.5 | 3952.9 | 4054.5 | 4156.0 | 4493.3 | 4830.4 | 5206.7 | 5582.9 | 5569.9 | 5582.9 | 5206.7 |
| 75° | 2472.5 | 3236.7 | 3377.3 | 3517.8 | 3724.5 | 3931.3 | 4130.0 | 4328.8 | 4272.4 | 4328.8 | 4130.0 |
| 77.5° | 1802.6 | 2420.6 | 2569.4 | 2718.3 | 2864.1 | 3010.0 | 3150.0 | 3290.1 | 3201.6 | 3290.1 | 3150.0 |
| 80° | 1093.5 | 1533.9 | 1701.4 | 1868.9 | 2021.4 | 2173.7 | 2246.0 | 2318.2 | 2169.1 | 2318.2 | 2246.0 |
| 82.5° | 569.2 | 815.1 | 981.7 | 1148.3 | 1302.8 | 1457.2 | 1502.4 | 1547.6 | 1405.2 | 1547.6 | 1502.4 |
| 85° | 250.6 | 374.0 | 498.4 | 622.7 | 744.4 | 866.0 | 870.7 | 875.4 | 772.8 | 875.4 | 870.7 |
| 87.5° | 96.2 | 146.7 | 210.8 | 274.8 | 340.2 | 405.5 | 403.2 | 400.8 | 330.8 | 400.8 | 403.2 |
| 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: P1208617

CATALOG NUMBER: UPW-SA1-070-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5° | 959.1 | 957.5 | 955.9 | 954.2 | 952.5 | 948.5 | 944.5 |
| 5° | 1073.0 | 1064.9 | 1056.7 | 1045.9 | 1035.2 | 1022.7 | 1010.3 |
| 7.5° | 1212.3 | 1196.5 | 1180.6 | 1157.1 | 1133.7 | 1116.7 | 1099.7 |
| 10° | 1341.6 | 1322.5 | 1303.6 | 1277.6 | 1251.7 | 1208.2 | 1164.6 |
| 12.5° | 1465.2 | 1441.2 | 1417.2 | 1379.8 | 1342.5 | 1292.9 | 1243.3 |
| 15° | 1536.8 | 1518.1 | 1499.4 | 1464.4 | 1429.3 | 1375.3 | 1321.1 |
| 17.5° | 1535.9 | 1535.1 | 1534.3 | 1511.2 | 1488.0 | 1447.5 | 1406.9 |
| 20° | 1495.9 | 1515.9 | 1535.9 | 1535.4 | 1535.0 | 1501.4 | 1467.8 |
| 22.5° | 1422.5 | 1467.0 | 1511.4 | 1535.1 | 1558.8 | 1535.8 | 1512.8 |
| 25° | 1360.2 | 1422.2 | 1484.3 | 1532.5 | 1580.8 | 1577.2 | 1573.7 |
| 27.5° | 1298.3 | 1371.0 | 1443.8 | 1517.1 | 1590.3 | 1601.6 | 1612.8 |
| 30° | 1253.1 | 1326.4 | 1399.6 | 1494.0 | 1588.4 | 1629.1 | 1669.7 |
| 32.5° | 1287.0 | 1338.1 | 1389.1 | 1490.3 | 1591.5 | 1659.3 | 1727.1 |
| 35° | 1485.2 | 1477.4 | 1469.6 | 1545.8 | 1622.0 | 1698.1 | 1774.2 |
| 37.5° | 1872.5 | 1774.2 | 1676.0 | 1688.5 | 1701.1 | 1779.0 | 1856.9 |
| 40° | 2227.1 | 2090.5 | 1953.9 | 1908.3 | 1862.7 | 1917.4 | 1972.1 |
| 42.5° | 2484.1 | 2334.3 | 2184.4 | 2127.4 | 2070.4 | 2101.5 | 2132.6 |
| 45° | 2773.1 | 2585.5 | 2397.8 | 2370.8 | 2343.6 | 2375.8 | 2407.9 |
| 47.5° | 3179.2 | 2926.4 | 2673.5 | 2696.4 | 2719.1 | 2793.9 | 2868.6 |
| 50° | 3744.8 | 3388.0 | 3031.3 | 3137.8 | 3244.3 | 3361.0 | 3477.7 |
| 52.5° | 4293.7 | 3871.5 | 3449.3 | 3636.5 | 3823.7 | 3930.9 | 4038.0 |
| 55° | 5043.9 | 4575.5 | 4107.1 | 4360.4 | 4613.7 | 4568.9 | 4524.1 |
| 57.5° | 6004.8 | 5567.6 | 5130.4 | 5401.0 | 5671.7 | 5273.1 | 4874.5 |
| 60° | 6919.0 | 6545.5 | 6172.0 | 6292.1 | 6412.3 | 5613.4 | 4814.4 |
| 62.5° | 7227.6 | 6728.8 | 6230.0 | 6196.1 | 6162.2 | 5292.6 | 4423.1 |
| 65° | 6827.4 | 6250.7 | 5674.0 | 5623.7 | 5573.5 | 4755.1 | 3936.6 |
| 67.5° | 6194.4 | 5667.3 | 5140.2 | 5109.8 | 5079.4 | 4228.3 | 3377.3 |
| 70° | 5571.0 | 5110.8 | 4650.5 | 4584.1 | 4517.7 | 3706.8 | 2896.1 |
| 72.5° | 4830.4 | 4493.3 | 4156.0 | 4054.5 | 3952.9 | 3137.5 | 2322.1 |
| 75° | 3931.3 | 3724.5 | 3517.8 | 3377.3 | 3236.7 | 2472.5 | 1708.4 |
| 77.5° | 3010.0 | 2864.1 | 2718.3 | 2569.4 | 2420.6 | 1802.6 | 1184.6 |
| 80° | 2173.7 | 2021.4 | 1868.9 | 1701.4 | 1533.9 | 1093.5 | 653.2 |
| 82.5° | 1457.2 | 1302.8 | 1148.3 | 981.7 | 815.1 | 569.2 | 323.3 |
| 85° | 866.0 | 744.4 | 622.7 | 498.4 | 374.0 | 250.6 | 127.2 |
| 87.5° | 405.5 | 340.2 | 274.8 | 210.8 | 146.7 | 96.2 | 45.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)