

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: P1208266

Luminaire Tested: UPW-SA1-060-727-U-SLR

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-727-U-SLR
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR RIGH OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6066 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 59
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

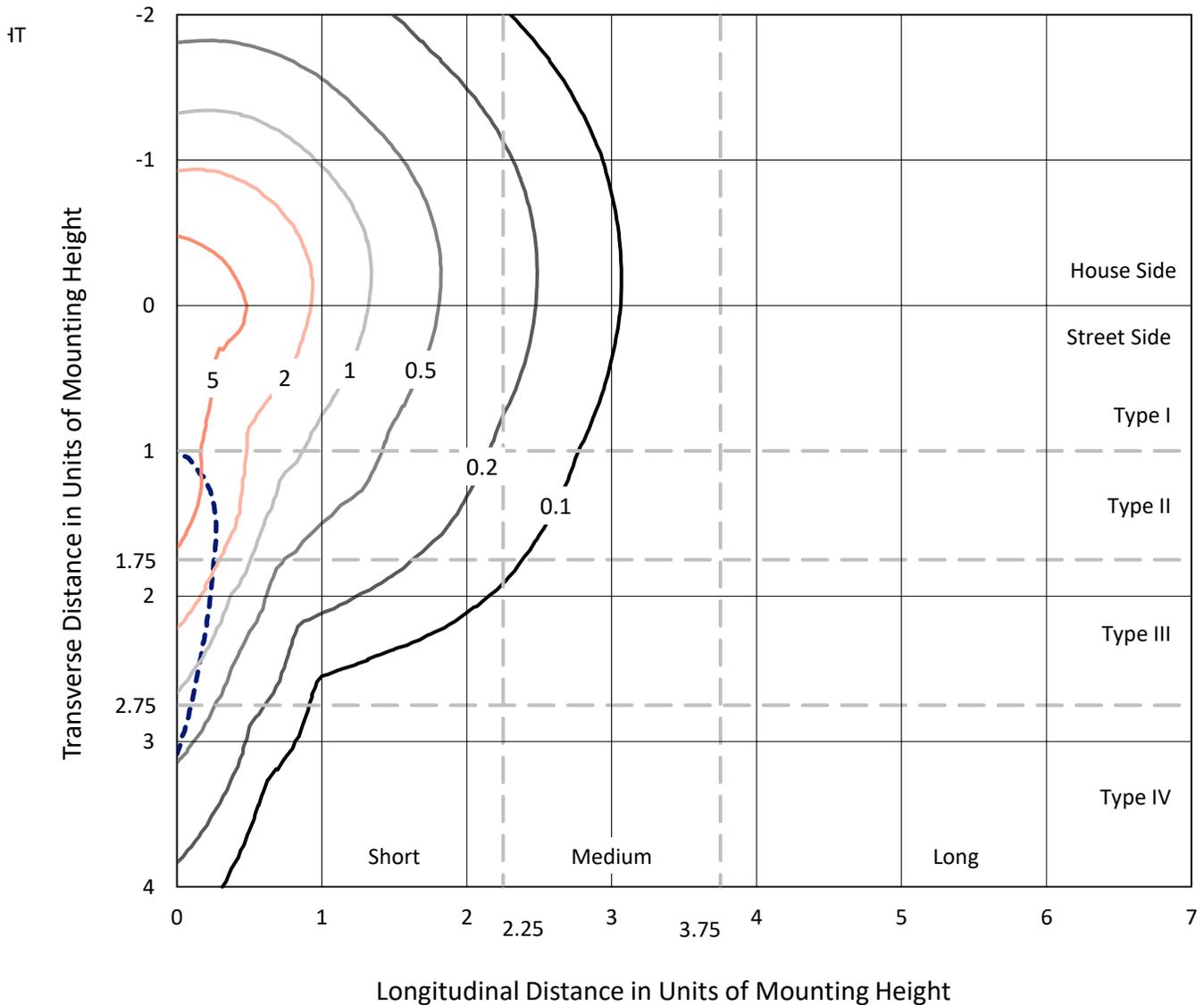


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

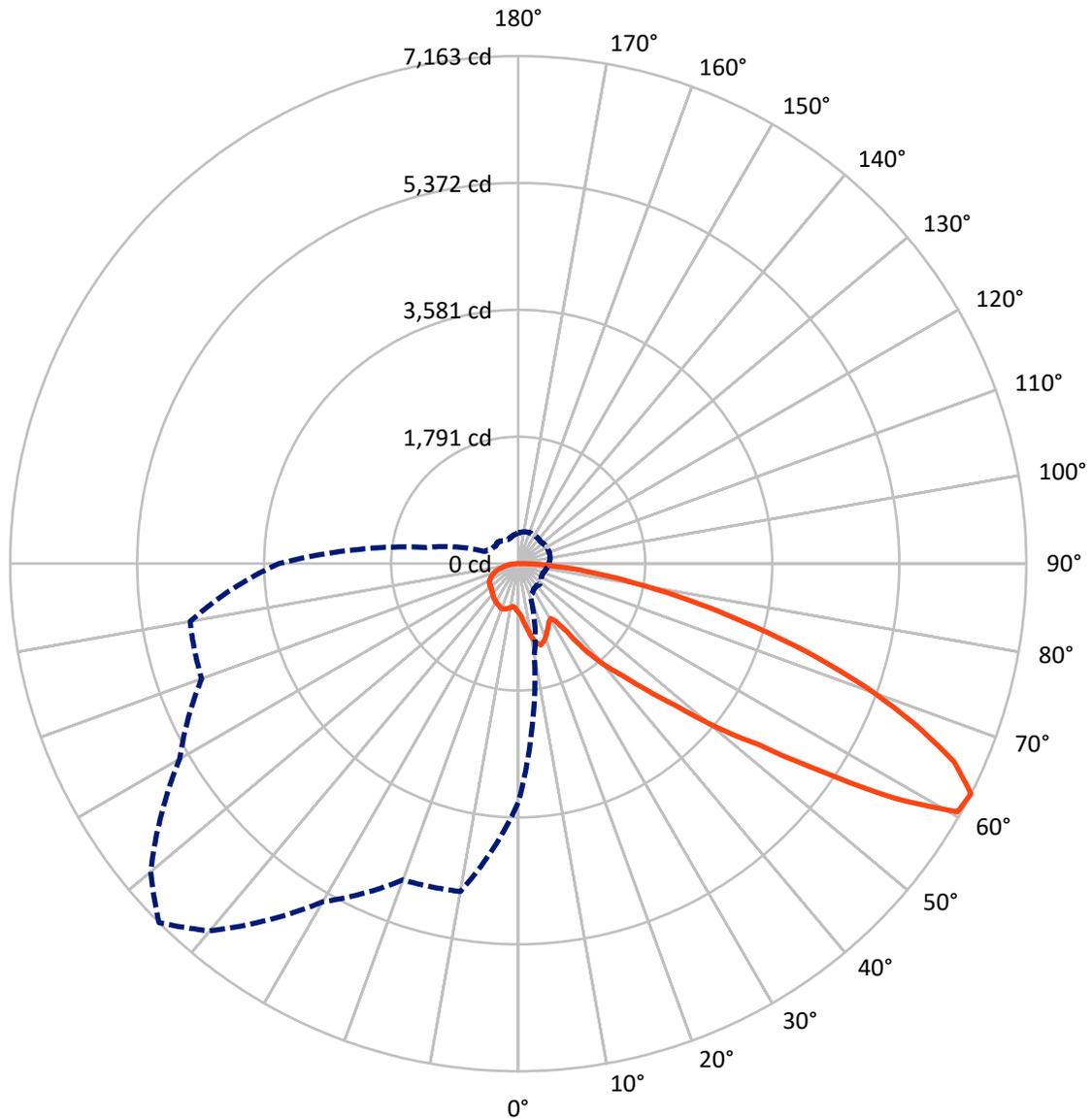


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Short - N/A

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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 | 1486.6 | 0.0 | 1486.6 |
| | % Fixture | 24.5 | 0.0 | 24.5 |
| Street Side | Lumens | 4579.4 | 0.0 | 4579.4 |
| | % Fixture | 75.5 | 0.0 | 75.5 |
| Total | Lumens | 6066.0 | 0.0 | 6066.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 69.0 | 1.1 |
| 10°-20° | 232.7 | 3.8 |
| 20°-30° | 378.5 | 6.2 |
| 30°-40° | 516.2 | 8.5 |
| 40°-50° | 781.7 | 12.9 |
| 50°-60° | 1344.2 | 22.2 |
| 60°-70° | 1576.4 | 26.0 |
| 70°-80° | 940.2 | 15.5 |
| 80°-90° | 227.1 | 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° | 6066.0 | 100.0 |
| 0°-180° | 6066.0 | 100.0 |



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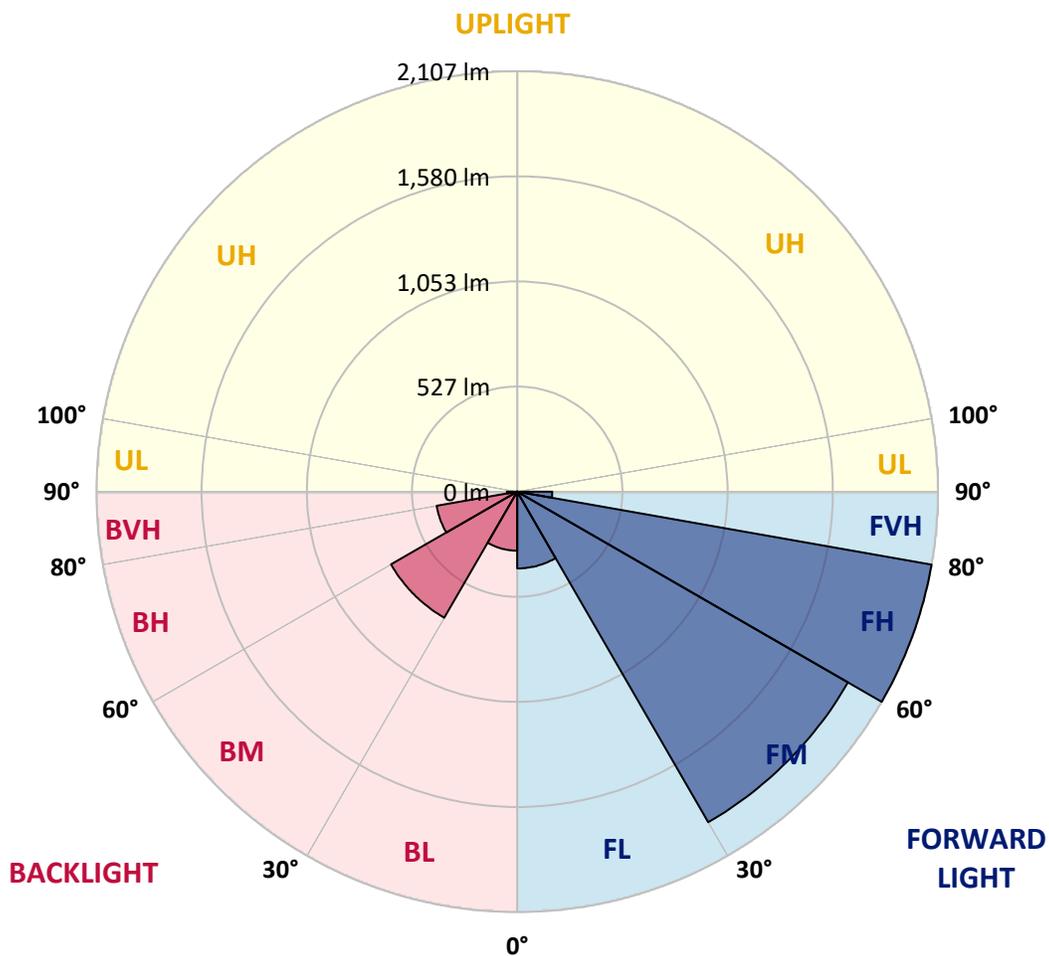
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 384.5 | 6.3 | | | |
| FM | (30°-60°) | 1912.5 | 31.5 | | | |
| FH | (60°-80°) | 2106.9 | 34.7 | | | G2/5000 |
| FVH | (80°-90°) | 175.5 | 2.9 | | | G2/225 |
| BL | (0°-30°) | 295.7 | 4.9 | B1/500 | | |
| BM | (30°-60°) | 729.6 | 12.0 | B1/1000 | | |
| BH | (60°-80°) | 409.6 | 6.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 51.6 | 0.9 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 |
| 2.5° | 719.9 | 718.0 | 717.4 | 714.8 | 712.3 | 707.8 | 703.3 | 700.1 | 696.9 | 693.2 | 687.3 |
| 5° | 770.1 | 764.5 | 756.7 | 745.6 | 734.5 | 724.1 | 713.7 | 704.9 | 696.2 | 688.4 | 681.2 |
| 7.5° | 838.2 | 812.7 | 791.2 | 773.5 | 755.9 | 739.0 | 722.3 | 709.4 | 696.5 | 684.3 | 672.3 |
| 10° | 887.7 | 866.6 | 841.6 | 811.5 | 781.5 | 758.0 | 734.7 | 720.3 | 706.0 | 694.8 | 675.9 |
| 12.5° | 947.7 | 915.2 | 879.9 | 843.6 | 807.2 | 777.7 | 748.3 | 727.5 | 706.7 | 691.1 | 683.2 |
| 15° | 1007.0 | 967.5 | 923.0 | 875.1 | 827.2 | 789.8 | 752.3 | 728.5 | 704.7 | 688.4 | 683.9 |
| 17.5° | 1072.4 | 1014.6 | 957.5 | 900.9 | 844.1 | 795.4 | 746.7 | 718.7 | 690.8 | 674.8 | 682.2 |
| 20° | 1118.9 | 1060.5 | 998.7 | 929.9 | 861.1 | 799.8 | 738.4 | 704.6 | 670.8 | 655.2 | 658.5 |
| 22.5° | 1153.1 | 1092.2 | 1025.7 | 946.0 | 866.4 | 793.7 | 720.9 | 682.7 | 644.5 | 629.1 | 642.4 |
| 25° | 1199.5 | 1126.6 | 1048.8 | 956.2 | 863.5 | 780.7 | 697.9 | 658.9 | 619.9 | 607.1 | 620.6 |
| 27.5° | 1229.4 | 1163.7 | 1088.7 | 984.4 | 880.0 | 783.9 | 687.7 | 644.5 | 601.3 | 587.4 | 600.5 |
| 30° | 1272.8 | 1205.2 | 1125.3 | 1008.4 | 891.4 | 785.8 | 680.1 | 634.6 | 589.2 | 574.2 | 578.5 |
| 32.5° | 1316.5 | 1243.6 | 1156.6 | 1024.0 | 891.3 | 776.7 | 662.2 | 619.5 | 576.9 | 563.3 | 567.5 |
| 35° | 1352.4 | 1280.8 | 1189.0 | 1038.3 | 887.5 | 763.9 | 640.3 | 601.2 | 562.1 | 551.8 | 550.5 |
| 37.5° | 1415.5 | 1329.9 | 1220.9 | 1049.4 | 877.9 | 744.9 | 611.8 | 574.5 | 537.2 | 529.8 | 526.9 |
| 40° | 1503.2 | 1409.1 | 1278.0 | 1074.6 | 871.2 | 726.4 | 581.6 | 545.6 | 509.6 | 507.1 | 505.0 |
| 42.5° | 1625.6 | 1495.9 | 1330.8 | 1098.6 | 866.4 | 711.1 | 555.9 | 521.4 | 486.9 | 482.0 | 476.6 |
| 45° | 1835.4 | 1636.2 | 1404.3 | 1131.5 | 858.8 | 698.8 | 538.9 | 504.2 | 469.4 | 455.2 | 455.0 |
| 47.5° | 2186.6 | 1871.1 | 1522.4 | 1183.9 | 845.5 | 686.1 | 526.7 | 495.3 | 463.8 | 441.3 | 432.9 |
| 50° | 2650.9 | 2207.2 | 1711.6 | 1276.6 | 841.8 | 681.4 | 521.2 | 492.3 | 463.5 | 430.5 | 414.6 |
| 52.5° | 3078.0 | 2500.4 | 1864.6 | 1347.7 | 830.8 | 669.7 | 508.6 | 486.3 | 464.0 | 431.1 | 409.7 |
| 55° | 3448.5 | 2697.4 | 1927.1 | 1366.2 | 805.3 | 645.5 | 485.7 | 477.5 | 469.2 | 449.8 | 412.2 |
| 57.5° | 3715.6 | 2726.0 | 1811.9 | 1279.3 | 746.7 | 609.4 | 472.0 | 466.8 | 461.6 | 462.0 | 419.5 |
| 60° | 3669.8 | 2556.5 | 1558.6 | 1089.9 | 621.1 | 541.6 | 462.2 | 446.7 | 431.1 | 446.1 | 421.0 |
| 62.5° | 3371.5 | 2276.0 | 1309.2 | 905.7 | 502.3 | 464.6 | 426.9 | 414.5 | 402.1 | 419.6 | 410.7 |
| 65° | 3000.7 | 1964.5 | 1074.6 | 736.9 | 399.1 | 391.7 | 384.2 | 381.5 | 378.8 | 383.4 | 388.4 |
| 67.5° | 2574.3 | 1636.9 | 857.0 | 579.7 | 302.5 | 309.2 | 315.9 | 329.1 | 342.2 | 344.0 | 355.9 |
| 70° | 2207.6 | 1341.4 | 659.1 | 450.4 | 241.7 | 250.8 | 260.0 | 279.4 | 299.0 | 308.4 | 319.1 |
| 72.5° | 1770.0 | 1035.0 | 482.7 | 339.8 | 196.9 | 204.9 | 212.9 | 234.9 | 256.9 | 277.6 | 289.1 |
| 75° | 1302.2 | 744.9 | 340.3 | 251.2 | 162.2 | 168.1 | 173.9 | 194.3 | 214.8 | 241.0 | 252.9 |
| 77.5° | 903.0 | 513.0 | 237.4 | 185.1 | 132.7 | 135.6 | 138.4 | 157.0 | 175.6 | 206.4 | 218.8 |
| 80° | 497.9 | 295.3 | 153.2 | 127.8 | 102.4 | 104.3 | 106.3 | 121.8 | 137.3 | 164.7 | 179.2 |
| 82.5° | 246.4 | 157.5 | 96.4 | 86.0 | 75.6 | 76.7 | 77.8 | 89.6 | 101.3 | 121.0 | 136.5 |
| 85° | 96.9 | 71.2 | 54.1 | 51.2 | 48.5 | 49.1 | 49.6 | 57.0 | 64.4 | 76.6 | 92.3 |
| 87.5° | 34.9 | 27.1 | 22.5 | 21.6 | 20.5 | 19.8 | 19.1 | 22.9 | 26.6 | 33.2 | 52.3 |
| 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: UPW-SA1-060-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 |
| 2.5° | 684.3 | 681.3 | 678.4 | 675.5 | 672.8 | 670.1 | 668.1 | 666.0 | 662.0 | 658.1 | 655.9 |
| 5° | 673.0 | 664.9 | 657.8 | 650.8 | 646.4 | 642.0 | 637.2 | 632.5 | 628.8 | 625.2 | 622.3 |
| 7.5° | 662.8 | 653.2 | 645.4 | 637.6 | 631.2 | 624.9 | 620.3 | 615.9 | 615.0 | 614.2 | 612.3 |
| 10° | 665.8 | 655.7 | 648.1 | 640.5 | 634.6 | 629.0 | 625.8 | 622.6 | 621.6 | 620.6 | 620.5 |
| 12.5° | 678.5 | 673.8 | 668.3 | 662.8 | 657.0 | 651.3 | 651.5 | 651.8 | 646.9 | 642.0 | 640.7 |
| 15° | 685.4 | 687.0 | 688.8 | 690.6 | 689.1 | 687.5 | 681.9 | 676.2 | 670.4 | 664.5 | 662.6 |
| 17.5° | 687.7 | 692.9 | 701.1 | 709.2 | 712.6 | 716.0 | 709.4 | 702.6 | 693.2 | 683.9 | 679.4 |
| 20° | 671.1 | 683.7 | 699.0 | 714.4 | 720.0 | 725.7 | 719.3 | 712.8 | 702.3 | 691.8 | 684.8 |
| 22.5° | 657.9 | 673.3 | 689.4 | 705.4 | 710.4 | 715.3 | 711.7 | 708.1 | 696.7 | 685.4 | 677.8 |
| 25° | 635.8 | 650.9 | 666.4 | 681.8 | 688.8 | 695.9 | 695.0 | 694.2 | 682.4 | 670.6 | 662.3 |
| 27.5° | 613.2 | 626.0 | 639.6 | 653.2 | 661.0 | 669.0 | 670.0 | 671.1 | 662.3 | 653.5 | 645.8 |
| 30° | 587.3 | 596.0 | 607.9 | 619.7 | 627.9 | 636.0 | 638.9 | 641.6 | 636.0 | 630.4 | 625.2 |
| 32.5° | 571.2 | 574.9 | 583.3 | 591.8 | 599.5 | 607.3 | 611.5 | 615.9 | 614.9 | 614.0 | 612.0 |
| 35° | 550.3 | 550.1 | 553.9 | 557.8 | 564.8 | 571.8 | 580.1 | 588.4 | 589.5 | 590.6 | 591.4 |
| 37.5° | 524.6 | 522.1 | 524.6 | 527.1 | 533.2 | 539.3 | 547.9 | 556.6 | 562.7 | 568.9 | 571.7 |
| 40° | 501.6 | 498.3 | 498.5 | 498.8 | 504.3 | 509.8 | 517.9 | 526.0 | 537.5 | 549.0 | 555.3 |
| 42.5° | 474.9 | 473.3 | 472.4 | 471.5 | 476.2 | 480.8 | 493.1 | 505.4 | 518.2 | 530.9 | 536.6 |
| 45° | 451.3 | 447.8 | 449.0 | 450.3 | 456.2 | 462.0 | 472.6 | 483.3 | 498.0 | 512.6 | 519.6 |
| 47.5° | 431.0 | 429.1 | 431.1 | 433.2 | 439.1 | 445.0 | 458.1 | 471.1 | 485.4 | 499.7 | 507.1 |
| 50° | 413.5 | 412.3 | 418.1 | 423.8 | 430.6 | 437.4 | 448.7 | 460.0 | 475.2 | 490.5 | 500.6 |
| 52.5° | 406.7 | 403.7 | 412.2 | 420.6 | 425.8 | 431.0 | 441.6 | 452.2 | 468.8 | 485.5 | 495.4 |
| 55° | 402.5 | 392.8 | 403.2 | 413.5 | 419.8 | 426.1 | 437.8 | 449.4 | 464.3 | 479.1 | 488.6 |
| 57.5° | 401.0 | 382.7 | 392.8 | 403.0 | 413.9 | 424.7 | 436.6 | 448.4 | 463.6 | 478.7 | 486.9 |
| 60° | 399.6 | 378.1 | 384.0 | 389.9 | 405.5 | 421.0 | 432.2 | 443.3 | 457.4 | 471.5 | 477.1 |
| 62.5° | 392.5 | 374.3 | 373.7 | 373.0 | 389.7 | 406.2 | 419.0 | 431.8 | 444.6 | 457.4 | 461.4 |
| 65° | 376.6 | 364.7 | 359.4 | 354.2 | 368.8 | 383.6 | 397.2 | 410.8 | 421.4 | 432.0 | 436.8 |
| 67.5° | 349.4 | 342.9 | 338.8 | 334.7 | 349.0 | 363.4 | 373.9 | 384.4 | 394.9 | 405.4 | 409.4 |
| 70° | 320.0 | 320.8 | 317.8 | 314.7 | 325.3 | 335.7 | 349.2 | 362.7 | 368.5 | 374.3 | 376.6 |
| 72.5° | 289.1 | 289.1 | 287.7 | 286.2 | 296.6 | 307.0 | 315.8 | 324.7 | 330.2 | 335.7 | 338.3 |
| 75° | 254.1 | 255.2 | 254.3 | 253.4 | 262.3 | 271.2 | 279.3 | 287.4 | 293.4 | 299.3 | 300.9 |
| 77.5° | 221.6 | 224.4 | 223.3 | 222.2 | 227.6 | 233.1 | 236.5 | 240.0 | 246.8 | 253.5 | 254.8 |
| 80° | 183.2 | 187.2 | 187.0 | 186.6 | 189.1 | 191.7 | 192.6 | 193.5 | 198.6 | 203.5 | 204.9 |
| 82.5° | 142.8 | 149.1 | 153.7 | 158.3 | 160.0 | 161.7 | 154.2 | 146.8 | 150.8 | 154.7 | 157.8 |
| 85° | 104.0 | 115.6 | 124.1 | 132.5 | 127.5 | 122.6 | 103.3 | 84.1 | 91.7 | 99.3 | 104.4 |
| 87.5° | 64.2 | 76.1 | 80.4 | 84.7 | 78.0 | 71.3 | 57.2 | 43.0 | 49.2 | 55.5 | 60.5 |
| 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: UPW-SA1-060-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 |
| 2.5° | 653.6 | 652.9 | 652.1 | 653.8 | 655.4 | 657.6 | 655.4 | 653.8 | 652.1 | 652.9 | 653.6 |
| 5° | 619.5 | 618.2 | 617.0 | 617.4 | 617.7 | 617.6 | 617.7 | 617.4 | 617.0 | 618.2 | 619.5 |
| 7.5° | 610.4 | 610.2 | 610.1 | 610.7 | 611.1 | 608.8 | 611.1 | 610.7 | 610.1 | 610.2 | 610.4 |
| 10° | 620.4 | 622.3 | 624.2 | 625.8 | 627.4 | 626.4 | 627.4 | 625.8 | 624.2 | 622.3 | 620.4 |
| 12.5° | 639.4 | 641.8 | 644.1 | 645.0 | 645.9 | 644.0 | 645.9 | 645.0 | 644.1 | 641.8 | 639.4 |
| 15° | 660.6 | 660.4 | 660.3 | 659.5 | 658.6 | 657.6 | 658.6 | 659.5 | 660.3 | 660.4 | 660.6 |
| 17.5° | 675.1 | 673.1 | 671.1 | 670.2 | 669.2 | 670.4 | 669.2 | 670.2 | 671.1 | 673.1 | 675.1 |
| 20° | 677.9 | 676.9 | 675.9 | 675.8 | 675.7 | 675.2 | 675.7 | 675.8 | 675.9 | 676.9 | 677.9 |
| 22.5° | 670.3 | 667.1 | 664.0 | 665.4 | 666.7 | 671.1 | 666.7 | 665.4 | 664.0 | 667.1 | 670.3 |
| 25° | 654.0 | 652.5 | 650.9 | 650.5 | 650.1 | 648.1 | 650.1 | 650.5 | 650.9 | 652.5 | 654.0 |
| 27.5° | 638.0 | 636.7 | 635.3 | 637.1 | 638.7 | 639.9 | 638.7 | 637.1 | 635.3 | 636.7 | 638.0 |
| 30° | 619.9 | 620.2 | 620.4 | 623.1 | 625.7 | 630.4 | 625.7 | 623.1 | 620.4 | 620.2 | 619.9 |
| 32.5° | 610.0 | 607.3 | 604.5 | 605.4 | 606.4 | 610.1 | 606.4 | 605.4 | 604.5 | 607.3 | 610.0 |
| 35° | 592.1 | 592.1 | 592.1 | 594.4 | 596.6 | 601.3 | 596.6 | 594.4 | 592.1 | 592.1 | 592.1 |
| 37.5° | 574.5 | 576.8 | 578.9 | 579.9 | 580.8 | 581.0 | 580.8 | 579.9 | 578.9 | 576.8 | 574.5 |
| 40° | 561.6 | 561.9 | 562.1 | 560.8 | 559.4 | 559.9 | 559.4 | 560.8 | 562.1 | 561.9 | 561.6 |
| 42.5° | 542.2 | 544.6 | 547.1 | 547.7 | 548.3 | 549.8 | 548.3 | 547.7 | 547.1 | 544.6 | 542.2 |
| 45° | 526.6 | 527.8 | 529.1 | 528.8 | 528.4 | 526.7 | 528.4 | 528.8 | 529.1 | 527.8 | 526.6 |
| 47.5° | 514.5 | 515.6 | 516.7 | 517.6 | 518.5 | 519.9 | 518.5 | 517.6 | 516.7 | 515.6 | 514.5 |
| 50° | 510.8 | 510.5 | 510.1 | 507.4 | 504.7 | 503.7 | 504.7 | 507.4 | 510.1 | 510.5 | 510.8 |
| 52.5° | 505.2 | 506.1 | 506.9 | 505.4 | 503.8 | 504.4 | 503.8 | 505.4 | 506.9 | 506.1 | 505.2 |
| 55° | 498.1 | 499.1 | 500.2 | 497.2 | 494.2 | 492.2 | 494.2 | 497.2 | 500.2 | 499.1 | 498.1 |
| 57.5° | 495.0 | 493.2 | 491.3 | 489.0 | 486.7 | 487.4 | 486.7 | 489.0 | 491.3 | 493.2 | 495.0 |
| 60° | 482.7 | 480.5 | 478.3 | 473.2 | 468.3 | 464.4 | 468.3 | 473.2 | 478.3 | 480.5 | 482.7 |
| 62.5° | 465.4 | 463.3 | 461.1 | 455.5 | 449.8 | 442.7 | 449.8 | 455.5 | 461.1 | 463.3 | 465.4 |
| 65° | 441.7 | 438.2 | 434.7 | 429.0 | 423.3 | 419.6 | 423.3 | 429.0 | 434.7 | 438.2 | 441.7 |
| 67.5° | 413.4 | 409.5 | 405.7 | 398.3 | 390.8 | 385.0 | 390.8 | 398.3 | 405.7 | 409.5 | 413.4 |
| 70° | 378.8 | 375.1 | 371.5 | 366.7 | 362.0 | 357.9 | 362.0 | 366.7 | 371.5 | 375.1 | 378.8 |
| 72.5° | 340.8 | 336.8 | 332.7 | 326.3 | 320.0 | 315.9 | 320.0 | 326.3 | 332.7 | 336.8 | 340.8 |
| 75° | 302.3 | 297.3 | 292.2 | 285.5 | 279.0 | 273.2 | 279.0 | 285.5 | 292.2 | 297.3 | 302.3 |
| 77.5° | 256.1 | 252.2 | 248.4 | 242.3 | 236.0 | 230.5 | 236.0 | 242.3 | 248.4 | 252.2 | 256.1 |
| 80° | 206.2 | 204.4 | 202.6 | 197.4 | 192.4 | 185.1 | 192.4 | 197.4 | 202.6 | 204.4 | 206.2 |
| 82.5° | 160.8 | 160.0 | 159.2 | 154.9 | 150.6 | 144.4 | 150.6 | 154.9 | 159.2 | 160.0 | 160.8 |
| 85° | 109.5 | 110.4 | 111.2 | 108.2 | 105.2 | 100.3 | 105.2 | 108.2 | 111.2 | 110.4 | 109.5 |
| 87.5° | 65.6 | 62.3 | 59.0 | 52.2 | 45.4 | 38.0 | 45.4 | 52.2 | 59.0 | 62.3 | 65.6 |
| 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: P1208266

CATALOG NUMBER: UPW-SA1-060-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 |
| 2.5° | 655.9 | 658.1 | 662.0 | 666.0 | 668.1 | 670.1 | 672.8 | 675.5 | 678.4 | 681.3 | 684.3 |
| 5° | 622.3 | 625.2 | 628.8 | 632.5 | 637.2 | 642.0 | 646.4 | 650.8 | 657.8 | 664.9 | 673.0 |
| 7.5° | 612.3 | 614.2 | 615.0 | 615.9 | 620.3 | 624.9 | 631.2 | 637.6 | 645.4 | 653.2 | 662.8 |
| 10° | 620.5 | 620.6 | 621.6 | 622.6 | 625.8 | 629.0 | 634.6 | 640.5 | 648.1 | 655.7 | 665.8 |
| 12.5° | 640.7 | 642.0 | 646.9 | 651.8 | 651.5 | 651.3 | 657.0 | 662.8 | 668.3 | 673.8 | 678.5 |
| 15° | 662.6 | 664.5 | 670.4 | 676.2 | 681.9 | 687.5 | 689.1 | 690.6 | 688.8 | 687.0 | 685.4 |
| 17.5° | 679.4 | 683.9 | 693.2 | 702.6 | 709.4 | 716.0 | 712.6 | 709.2 | 701.1 | 692.9 | 687.7 |
| 20° | 684.8 | 691.8 | 702.3 | 712.8 | 719.3 | 725.7 | 720.0 | 714.4 | 699.0 | 683.7 | 671.1 |
| 22.5° | 677.8 | 685.4 | 696.7 | 708.1 | 711.7 | 715.3 | 710.4 | 705.4 | 689.4 | 673.3 | 657.9 |
| 25° | 662.3 | 670.6 | 682.4 | 694.2 | 695.0 | 695.9 | 688.8 | 681.8 | 666.4 | 650.9 | 635.8 |
| 27.5° | 645.8 | 653.5 | 662.3 | 671.1 | 670.0 | 669.0 | 661.0 | 653.2 | 639.6 | 626.0 | 613.2 |
| 30° | 625.2 | 630.4 | 636.0 | 641.6 | 638.9 | 636.0 | 627.9 | 619.7 | 607.9 | 596.0 | 587.3 |
| 32.5° | 612.0 | 614.0 | 614.9 | 615.9 | 611.5 | 607.3 | 599.5 | 591.8 | 583.3 | 574.9 | 571.2 |
| 35° | 591.4 | 590.6 | 589.5 | 588.4 | 580.1 | 571.8 | 564.8 | 557.8 | 553.9 | 550.1 | 550.3 |
| 37.5° | 571.7 | 568.9 | 562.7 | 556.6 | 547.9 | 539.3 | 533.2 | 527.1 | 524.6 | 522.1 | 524.6 |
| 40° | 555.3 | 549.0 | 537.5 | 526.0 | 517.9 | 509.8 | 504.3 | 498.8 | 498.5 | 498.3 | 501.6 |
| 42.5° | 536.6 | 530.9 | 518.2 | 505.4 | 493.1 | 480.8 | 476.2 | 471.5 | 472.4 | 473.3 | 474.9 |
| 45° | 519.6 | 512.6 | 498.0 | 483.3 | 472.6 | 462.0 | 456.2 | 450.3 | 449.0 | 447.8 | 451.3 |
| 47.5° | 507.1 | 499.7 | 485.4 | 471.1 | 458.1 | 445.0 | 439.1 | 433.2 | 431.1 | 429.1 | 431.0 |
| 50° | 500.6 | 490.5 | 475.2 | 460.0 | 448.7 | 437.4 | 430.6 | 423.8 | 418.1 | 412.3 | 413.5 |
| 52.5° | 495.4 | 485.5 | 468.8 | 452.2 | 441.6 | 431.0 | 425.8 | 420.6 | 412.2 | 403.7 | 406.7 |
| 55° | 488.6 | 479.1 | 464.3 | 449.4 | 437.8 | 426.1 | 419.8 | 413.5 | 403.2 | 392.8 | 402.5 |
| 57.5° | 486.9 | 478.7 | 463.6 | 448.4 | 436.6 | 424.7 | 413.9 | 403.0 | 392.8 | 382.7 | 401.0 |
| 60° | 477.1 | 471.5 | 457.4 | 443.3 | 432.2 | 421.0 | 405.5 | 389.9 | 384.0 | 378.1 | 399.6 |
| 62.5° | 461.4 | 457.4 | 444.6 | 431.8 | 419.0 | 406.2 | 389.7 | 373.0 | 373.7 | 374.3 | 392.5 |
| 65° | 436.8 | 432.0 | 421.4 | 410.8 | 397.2 | 383.6 | 368.8 | 354.2 | 359.4 | 364.7 | 376.6 |
| 67.5° | 409.4 | 405.4 | 394.9 | 384.4 | 373.9 | 363.4 | 349.0 | 334.7 | 338.8 | 342.9 | 349.4 |
| 70° | 376.6 | 374.3 | 368.5 | 362.7 | 349.2 | 335.7 | 325.3 | 314.7 | 317.8 | 320.8 | 320.0 |
| 72.5° | 338.3 | 335.7 | 330.2 | 324.7 | 315.8 | 307.0 | 296.6 | 286.2 | 287.7 | 289.1 | 289.1 |
| 75° | 300.9 | 299.3 | 293.4 | 287.4 | 279.3 | 271.2 | 262.3 | 253.4 | 254.3 | 255.2 | 254.1 |
| 77.5° | 254.8 | 253.5 | 246.8 | 240.0 | 236.5 | 233.1 | 227.6 | 222.2 | 223.3 | 224.4 | 221.6 |
| 80° | 204.9 | 203.5 | 198.6 | 193.5 | 192.6 | 191.7 | 189.1 | 186.6 | 187.0 | 187.2 | 183.2 |
| 82.5° | 157.8 | 154.7 | 150.8 | 146.8 | 154.2 | 161.7 | 160.0 | 158.3 | 153.7 | 149.1 | 142.8 |
| 85° | 104.4 | 99.3 | 91.7 | 84.1 | 103.3 | 122.6 | 127.5 | 132.5 | 124.1 | 115.6 | 104.0 |
| 87.5° | 60.5 | 55.5 | 49.2 | 43.0 | 57.2 | 71.3 | 78.0 | 84.7 | 80.4 | 76.1 | 64.2 |
| 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: P1208266

CATALOG NUMBER: UPW-SA1-060-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0° | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 |
| 2.5° | 687.3 | 693.2 | 696.9 | 700.1 | 703.3 | 707.8 | 712.3 | 714.8 | 717.4 | 718.0 | 719.9 |
| 5° | 681.2 | 688.4 | 696.2 | 704.9 | 713.7 | 724.1 | 734.5 | 745.6 | 756.7 | 764.5 | 770.1 |
| 7.5° | 672.3 | 684.3 | 696.5 | 709.4 | 722.3 | 739.0 | 755.9 | 773.5 | 791.2 | 812.7 | 838.2 |
| 10° | 675.9 | 694.8 | 706.0 | 720.3 | 734.7 | 758.0 | 781.5 | 811.5 | 841.6 | 866.6 | 887.7 |
| 12.5° | 683.2 | 691.1 | 706.7 | 727.5 | 748.3 | 777.7 | 807.2 | 843.6 | 879.9 | 915.2 | 947.7 |
| 15° | 683.9 | 688.4 | 704.7 | 728.5 | 752.3 | 789.8 | 827.2 | 875.1 | 923.0 | 967.5 | 1007.0 |
| 17.5° | 682.2 | 674.8 | 690.8 | 718.7 | 746.7 | 795.4 | 844.1 | 900.9 | 957.5 | 1014.6 | 1072.4 |
| 20° | 658.5 | 655.2 | 670.8 | 704.6 | 738.4 | 799.8 | 861.1 | 929.9 | 998.7 | 1060.5 | 1118.9 |
| 22.5° | 642.4 | 629.1 | 644.5 | 682.7 | 720.9 | 793.7 | 866.4 | 946.0 | 1025.7 | 1092.2 | 1153.1 |
| 25° | 620.6 | 607.1 | 619.9 | 658.9 | 697.9 | 780.7 | 863.5 | 956.2 | 1048.8 | 1126.6 | 1199.5 |
| 27.5° | 600.5 | 587.4 | 601.3 | 644.5 | 687.7 | 783.9 | 880.0 | 984.4 | 1088.7 | 1163.7 | 1229.4 |
| 30° | 578.5 | 574.2 | 589.2 | 634.6 | 680.1 | 785.8 | 891.4 | 1008.4 | 1125.3 | 1205.2 | 1272.8 |
| 32.5° | 567.5 | 563.3 | 576.9 | 619.5 | 662.2 | 776.7 | 891.3 | 1024.0 | 1156.6 | 1243.6 | 1316.5 |
| 35° | 550.5 | 551.8 | 562.1 | 601.2 | 640.3 | 763.9 | 887.5 | 1038.3 | 1189.0 | 1280.8 | 1352.4 |
| 37.5° | 526.9 | 529.8 | 537.2 | 574.5 | 611.8 | 744.9 | 877.9 | 1049.4 | 1220.9 | 1329.9 | 1415.5 |
| 40° | 505.0 | 507.1 | 509.6 | 545.6 | 581.6 | 726.4 | 871.2 | 1074.6 | 1278.0 | 1409.1 | 1503.2 |
| 42.5° | 476.6 | 482.0 | 486.9 | 521.4 | 555.9 | 711.1 | 866.4 | 1098.6 | 1330.8 | 1495.9 | 1625.6 |
| 45° | 455.0 | 455.2 | 469.4 | 504.2 | 538.9 | 698.8 | 858.8 | 1131.5 | 1404.3 | 1636.2 | 1835.4 |
| 47.5° | 432.9 | 441.3 | 463.8 | 495.3 | 526.7 | 686.1 | 845.5 | 1183.9 | 1522.4 | 1871.1 | 2186.6 |
| 50° | 414.6 | 430.5 | 463.5 | 492.3 | 521.2 | 681.4 | 841.8 | 1276.6 | 1711.6 | 2207.2 | 2650.9 |
| 52.5° | 409.7 | 431.1 | 464.0 | 486.3 | 508.6 | 669.7 | 830.8 | 1347.7 | 1864.6 | 2500.4 | 3078.0 |
| 55° | 412.2 | 449.8 | 469.2 | 477.5 | 485.7 | 645.5 | 805.3 | 1366.2 | 1927.1 | 2697.4 | 3448.5 |
| 57.5° | 419.5 | 462.0 | 461.6 | 466.8 | 472.0 | 609.4 | 746.7 | 1279.3 | 1811.9 | 2726.0 | 3715.6 |
| 60° | 421.0 | 446.1 | 431.1 | 446.7 | 462.2 | 541.6 | 621.1 | 1089.9 | 1558.6 | 2556.5 | 3669.8 |
| 62.5° | 410.7 | 419.6 | 402.1 | 414.5 | 426.9 | 464.6 | 502.3 | 905.7 | 1309.2 | 2276.0 | 3371.5 |
| 65° | 388.4 | 383.4 | 378.8 | 381.5 | 384.2 | 391.7 | 399.1 | 736.9 | 1074.6 | 1964.5 | 3000.7 |
| 67.5° | 355.9 | 344.0 | 342.2 | 329.1 | 315.9 | 309.2 | 302.5 | 579.7 | 857.0 | 1636.9 | 2574.3 |
| 70° | 319.1 | 308.4 | 299.0 | 279.4 | 260.0 | 250.8 | 241.7 | 450.4 | 659.1 | 1341.4 | 2207.6 |
| 72.5° | 289.1 | 277.6 | 256.9 | 234.9 | 212.9 | 204.9 | 196.9 | 339.8 | 482.7 | 1035.0 | 1770.0 |
| 75° | 252.9 | 241.0 | 214.8 | 194.3 | 173.9 | 168.1 | 162.2 | 251.2 | 340.3 | 744.9 | 1302.2 |
| 77.5° | 218.8 | 206.4 | 175.6 | 157.0 | 138.4 | 135.6 | 132.7 | 185.1 | 237.4 | 513.0 | 903.0 |
| 80° | 179.2 | 164.7 | 137.3 | 121.8 | 106.3 | 104.3 | 102.4 | 127.8 | 153.2 | 295.3 | 497.9 |
| 82.5° | 136.5 | 121.0 | 101.3 | 89.6 | 77.8 | 76.7 | 75.6 | 86.0 | 96.4 | 157.5 | 246.4 |
| 85° | 92.3 | 76.6 | 64.4 | 57.0 | 49.6 | 49.1 | 48.5 | 51.2 | 54.1 | 71.2 | 96.9 |
| 87.5° | 52.3 | 33.2 | 26.6 | 22.9 | 19.1 | 19.8 | 20.5 | 21.6 | 22.5 | 27.1 | 34.9 |
| 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: P1208266

CATALOG NUMBER: UPW-SA1-060-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 |
| 2.5° | 723.0 | 726.0 | 727.3 | 728.6 | 729.8 | 731.1 | 732.1 | 733.1 | 730.8 | 733.1 | 732.1 |
| 5° | 779.6 | 789.1 | 797.3 | 805.5 | 811.7 | 817.9 | 820.9 | 824.1 | 829.1 | 824.1 | 820.9 |
| 7.5° | 851.2 | 864.2 | 882.0 | 899.9 | 912.0 | 924.1 | 929.4 | 934.7 | 936.2 | 934.7 | 929.4 |
| 10° | 920.9 | 954.1 | 973.9 | 993.7 | 1008.1 | 1022.6 | 1035.0 | 1047.5 | 1061.6 | 1047.5 | 1035.0 |
| 12.5° | 985.5 | 1023.3 | 1051.8 | 1080.2 | 1098.5 | 1116.8 | 1129.1 | 1141.4 | 1145.6 | 1141.4 | 1129.1 |
| 15° | 1048.3 | 1089.5 | 1116.2 | 1142.9 | 1157.2 | 1171.4 | 1177.5 | 1183.6 | 1191.1 | 1183.6 | 1177.5 |
| 17.5° | 1103.3 | 1134.3 | 1151.9 | 1169.5 | 1170.1 | 1170.7 | 1163.1 | 1155.4 | 1153.8 | 1155.4 | 1163.1 |
| 20° | 1144.4 | 1170.1 | 1170.4 | 1170.7 | 1155.5 | 1140.2 | 1126.9 | 1113.7 | 1107.7 | 1113.7 | 1126.9 |
| 22.5° | 1170.7 | 1188.2 | 1170.1 | 1152.1 | 1118.2 | 1084.3 | 1065.0 | 1045.8 | 1040.6 | 1045.8 | 1065.0 |
| 25° | 1202.3 | 1205.0 | 1168.2 | 1131.4 | 1084.1 | 1036.8 | 1012.2 | 987.4 | 981.6 | 987.4 | 1012.2 |
| 27.5° | 1220.8 | 1212.2 | 1156.4 | 1100.6 | 1045.0 | 989.6 | 961.5 | 933.3 | 925.3 | 933.3 | 961.5 |
| 30° | 1241.8 | 1210.7 | 1138.8 | 1066.9 | 1011.0 | 955.2 | 931.6 | 908.1 | 900.9 | 908.1 | 931.6 |
| 32.5° | 1264.8 | 1213.1 | 1136.0 | 1058.9 | 1020.0 | 981.1 | 974.7 | 968.2 | 963.3 | 968.2 | 974.7 |
| 35° | 1294.4 | 1236.4 | 1178.3 | 1120.2 | 1126.1 | 1132.1 | 1153.0 | 1173.9 | 1173.4 | 1173.9 | 1153.0 |
| 37.5° | 1356.1 | 1296.7 | 1287.1 | 1277.5 | 1352.4 | 1427.3 | 1487.4 | 1547.5 | 1578.8 | 1547.5 | 1487.4 |
| 40° | 1461.5 | 1419.9 | 1454.6 | 1489.3 | 1593.5 | 1697.6 | 1768.8 | 1840.0 | 1892.0 | 1840.0 | 1768.8 |
| 42.5° | 1601.9 | 1578.1 | 1621.6 | 1665.1 | 1779.3 | 1893.5 | 1990.6 | 2087.5 | 2160.5 | 2087.5 | 1990.6 |
| 45° | 1810.9 | 1786.4 | 1807.1 | 1827.7 | 1970.8 | 2113.8 | 2265.8 | 2417.8 | 2546.2 | 2417.8 | 2265.8 |
| 47.5° | 2129.6 | 2072.7 | 2055.3 | 2037.9 | 2230.6 | 2423.4 | 2645.4 | 2867.6 | 2999.7 | 2867.6 | 2645.4 |
| 50° | 2561.9 | 2473.0 | 2391.8 | 2310.6 | 2582.5 | 2854.5 | 3178.0 | 3501.5 | 3637.6 | 3501.5 | 3178.0 |
| 52.5° | 2996.3 | 2914.6 | 2771.9 | 2629.2 | 2951.0 | 3272.9 | 3693.0 | 4113.1 | 4243.6 | 4113.1 | 3693.0 |
| 55° | 3482.6 | 3516.8 | 3323.7 | 3130.7 | 3487.7 | 3844.7 | 4382.9 | 4921.0 | 5151.3 | 4921.0 | 4382.9 |
| 57.5° | 4019.4 | 4323.3 | 4116.9 | 3910.7 | 4243.9 | 4577.2 | 5216.8 | 5856.6 | 6242.1 | 5856.6 | 5216.8 |
| 60° | 4278.8 | 4887.8 | 4796.2 | 4704.6 | 4989.3 | 5274.0 | 5968.1 | 6662.2 | 7112.5 | 6662.2 | 5968.1 |
| 62.5° | 4034.3 | 4697.2 | 4723.0 | 4748.8 | 5129.0 | 5509.3 | 6136.7 | 6764.2 | 7162.7 | 6764.2 | 6136.7 |
| 65° | 3624.6 | 4248.4 | 4286.7 | 4325.0 | 4764.6 | 5204.2 | 5819.7 | 6435.2 | 6756.6 | 6435.2 | 5819.7 |
| 67.5° | 3223.1 | 3871.8 | 3894.9 | 3918.1 | 4319.9 | 4721.7 | 5275.7 | 5829.7 | 6014.3 | 5829.7 | 5275.7 |
| 70° | 2825.5 | 3443.6 | 3494.2 | 3544.9 | 3895.7 | 4246.5 | 4656.7 | 5066.9 | 5172.4 | 5066.9 | 4656.7 |
| 72.5° | 2391.6 | 3013.1 | 3090.5 | 3168.0 | 3425.0 | 3682.0 | 3968.8 | 4255.6 | 4245.7 | 4255.6 | 3968.8 |
| 75° | 1884.7 | 2467.2 | 2574.3 | 2681.4 | 2839.0 | 2996.6 | 3148.1 | 3299.6 | 3256.6 | 3299.6 | 3148.1 |
| 77.5° | 1374.0 | 1845.1 | 1958.5 | 2072.0 | 2183.2 | 2294.3 | 2401.1 | 2507.9 | 2440.4 | 2507.9 | 2401.1 |
| 80° | 833.5 | 1169.2 | 1296.9 | 1424.6 | 1540.8 | 1656.9 | 1712.0 | 1767.1 | 1653.4 | 1767.1 | 1712.0 |
| 82.5° | 433.9 | 621.3 | 748.3 | 875.3 | 993.1 | 1110.7 | 1145.2 | 1179.7 | 1071.1 | 1179.7 | 1145.2 |
| 85° | 191.0 | 285.1 | 379.9 | 474.7 | 567.4 | 660.1 | 663.7 | 667.3 | 589.1 | 667.3 | 663.7 |
| 87.5° | 73.3 | 111.9 | 160.7 | 209.5 | 259.3 | 309.1 | 307.4 | 305.5 | 252.2 | 305.5 | 307.4 |
| 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: P1208266

CATALOG NUMBER: UPW-SA1-060-727-U-SLR

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 | 690.8 |
| 2.5° | 731.1 | 729.8 | 728.6 | 727.3 | 726.0 | 723.0 | 719.9 |
| 5° | 817.9 | 811.7 | 805.5 | 797.3 | 789.1 | 779.6 | 770.1 |
| 7.5° | 924.1 | 912.0 | 899.9 | 882.0 | 864.2 | 851.2 | 838.2 |
| 10° | 1022.6 | 1008.1 | 993.7 | 973.9 | 954.1 | 920.9 | 887.7 |
| 12.5° | 1116.8 | 1098.5 | 1080.2 | 1051.8 | 1023.3 | 985.5 | 947.7 |
| 15° | 1171.4 | 1157.2 | 1142.9 | 1116.2 | 1089.5 | 1048.3 | 1007.0 |
| 17.5° | 1170.7 | 1170.1 | 1169.5 | 1151.9 | 1134.3 | 1103.3 | 1072.4 |
| 20° | 1140.2 | 1155.5 | 1170.7 | 1170.4 | 1170.1 | 1144.4 | 1118.9 |
| 22.5° | 1084.3 | 1118.2 | 1152.1 | 1170.1 | 1188.2 | 1170.7 | 1153.1 |
| 25° | 1036.8 | 1084.1 | 1131.4 | 1168.2 | 1205.0 | 1202.3 | 1199.5 |
| 27.5° | 989.6 | 1045.0 | 1100.6 | 1156.4 | 1212.2 | 1220.8 | 1229.4 |
| 30° | 955.2 | 1011.0 | 1066.9 | 1138.8 | 1210.7 | 1241.8 | 1272.8 |
| 32.5° | 981.1 | 1020.0 | 1058.9 | 1136.0 | 1213.1 | 1264.8 | 1316.5 |
| 35° | 1132.1 | 1126.1 | 1120.2 | 1178.3 | 1236.4 | 1294.4 | 1352.4 |
| 37.5° | 1427.3 | 1352.4 | 1277.5 | 1287.1 | 1296.7 | 1356.1 | 1415.5 |
| 40° | 1697.6 | 1593.5 | 1489.3 | 1454.6 | 1419.9 | 1461.5 | 1503.2 |
| 42.5° | 1893.5 | 1779.3 | 1665.1 | 1621.6 | 1578.1 | 1601.9 | 1625.6 |
| 45° | 2113.8 | 1970.8 | 1827.7 | 1807.1 | 1786.4 | 1810.9 | 1835.4 |
| 47.5° | 2423.4 | 2230.6 | 2037.9 | 2055.3 | 2072.7 | 2129.6 | 2186.6 |
| 50° | 2854.5 | 2582.5 | 2310.6 | 2391.8 | 2473.0 | 2561.9 | 2650.9 |
| 52.5° | 3272.9 | 2951.0 | 2629.2 | 2771.9 | 2914.6 | 2996.3 | 3078.0 |
| 55° | 3844.7 | 3487.7 | 3130.7 | 3323.7 | 3516.8 | 3482.6 | 3448.5 |
| 57.5° | 4577.2 | 4243.9 | 3910.7 | 4116.9 | 4323.3 | 4019.4 | 3715.6 |
| 60° | 5274.0 | 4989.3 | 4704.6 | 4796.2 | 4887.8 | 4278.8 | 3669.8 |
| 62.5° | 5509.3 | 5129.0 | 4748.8 | 4723.0 | 4697.2 | 4034.3 | 3371.5 |
| 65° | 5204.2 | 4764.6 | 4325.0 | 4286.7 | 4248.4 | 3624.6 | 3000.7 |
| 67.5° | 4721.7 | 4319.9 | 3918.1 | 3894.9 | 3871.8 | 3223.1 | 2574.3 |
| 70° | 4246.5 | 3895.7 | 3544.9 | 3494.2 | 3443.6 | 2825.5 | 2207.6 |
| 72.5° | 3682.0 | 3425.0 | 3168.0 | 3090.5 | 3013.1 | 2391.6 | 1770.0 |
| 75° | 2996.6 | 2839.0 | 2681.4 | 2574.3 | 2467.2 | 1884.7 | 1302.2 |
| 77.5° | 2294.3 | 2183.2 | 2072.0 | 1958.5 | 1845.1 | 1374.0 | 903.0 |
| 80° | 1656.9 | 1540.8 | 1424.6 | 1296.9 | 1169.2 | 833.5 | 497.9 |
| 82.5° | 1110.7 | 993.1 | 875.3 | 748.3 | 621.3 | 433.9 | 246.4 |
| 85° | 660.1 | 567.4 | 474.7 | 379.9 | 285.1 | 191.0 | 96.9 |
| 87.5° | 309.1 | 259.3 | 209.5 | 160.7 | 111.9 | 73.3 | 34.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)