

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: P1207788

Luminaire Tested: UPW-SA1-030-727-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-727-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3200 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

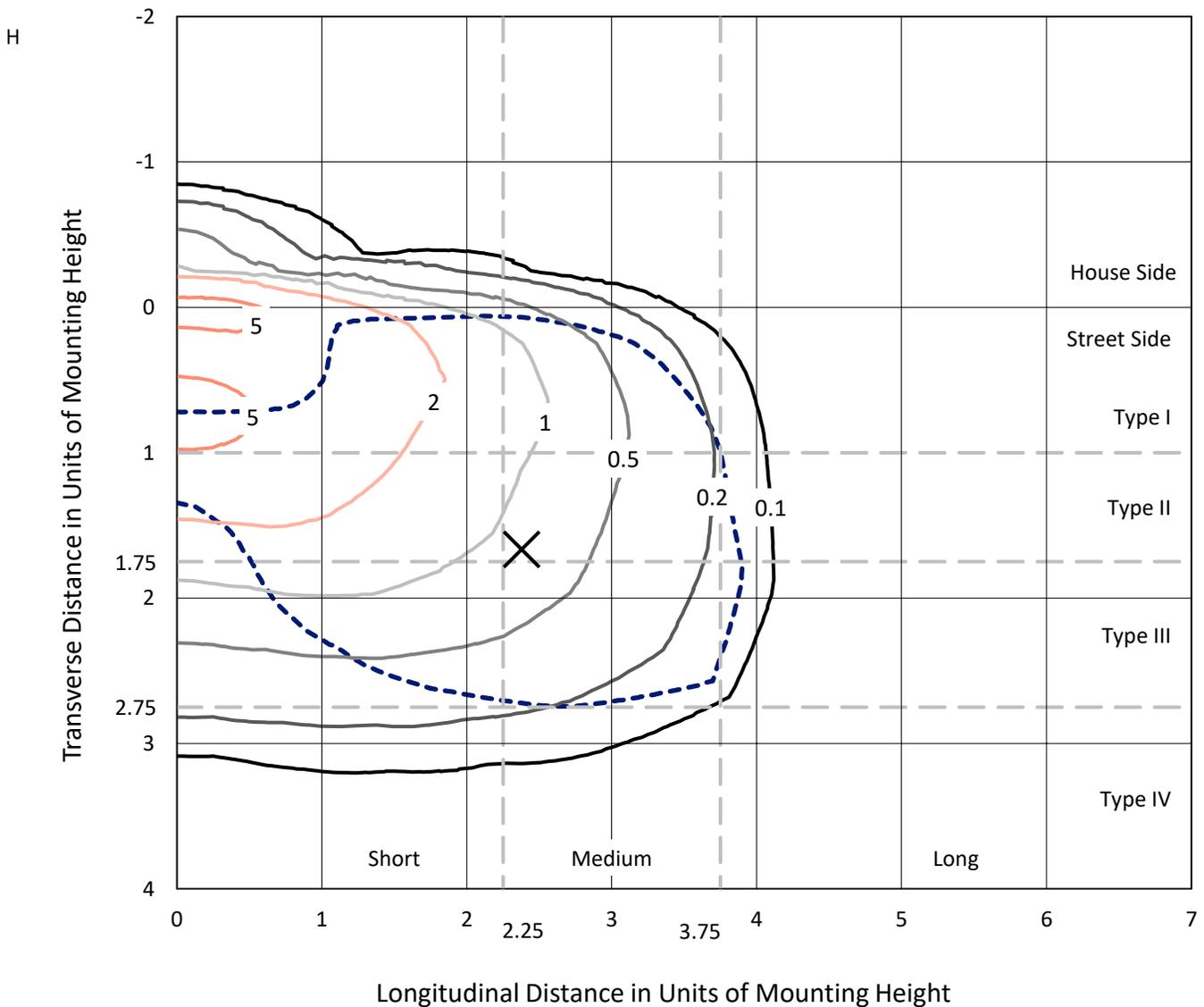
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1207788
 CATALOG NUMBER: UPW-SA1-030-727-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

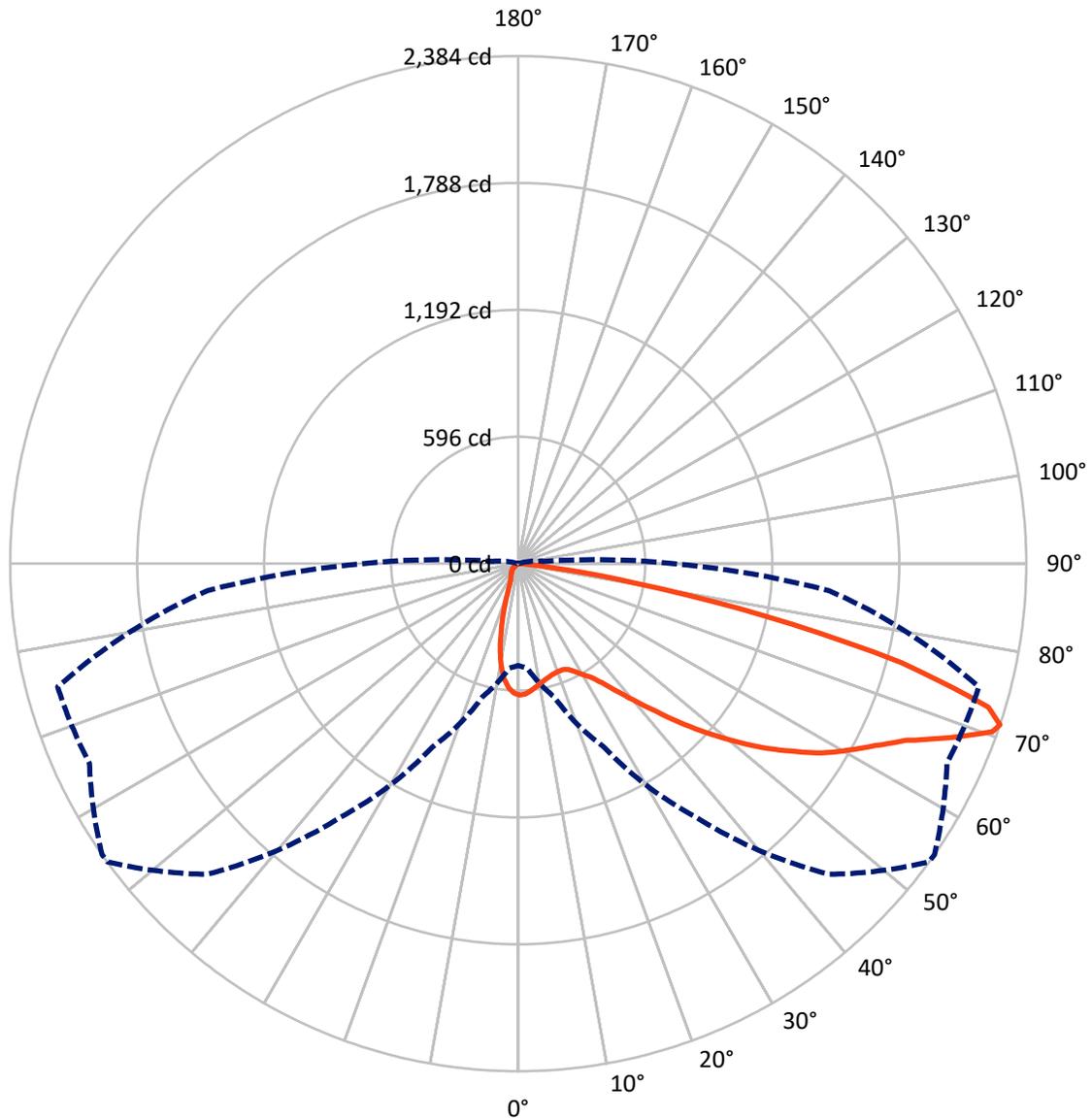
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P1207788
CATALOG NUMBER: UPW-SA1-030-727-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P1207788

CATALOG NUMBER: UPW-SA1-030-727-U-T3R-HSS

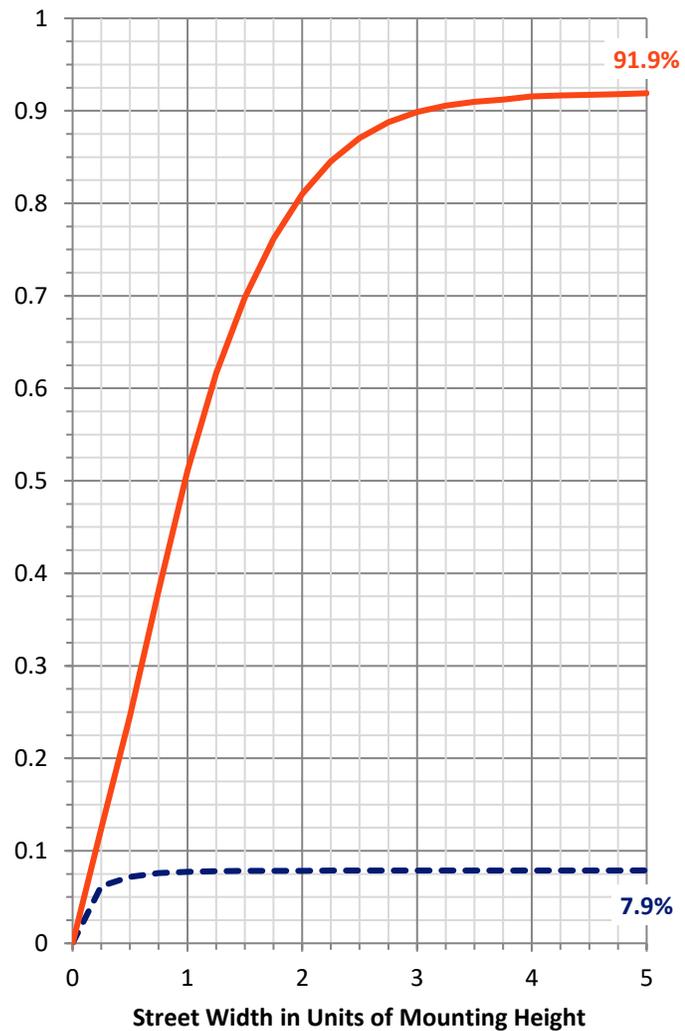
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 253.4 | 0.0 | 253.4 |
| | % Fixture | 7.9 | 0.0 | 7.9 |
| Street Side | Lumens | 2946.7 | 0.0 | 2946.7 |
| | % Fixture | 92.1 | 0.0 | 92.1 |
| Total | Lumens | 3200.0 | 0.0 | 3200.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.6 | 1.6 |
| 10°-20° | 118.8 | 3.7 |
| 20°-30° | 190.9 | 6.0 |
| 30°-40° | 324.4 | 10.1 |
| 40°-50° | 503.4 | 15.7 |
| 50°-60° | 676.9 | 21.2 |
| 60°-70° | 828.0 | 25.9 |
| 70°-80° | 484.1 | 15.1 |
| 80°-90° | 20.9 | 0.7 |
| 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° | 3200.0 | 100.0 |
| 0°-180° | 3200.0 | 100.0 |



--- HS — SS

REPORT NUMBER: P1207788

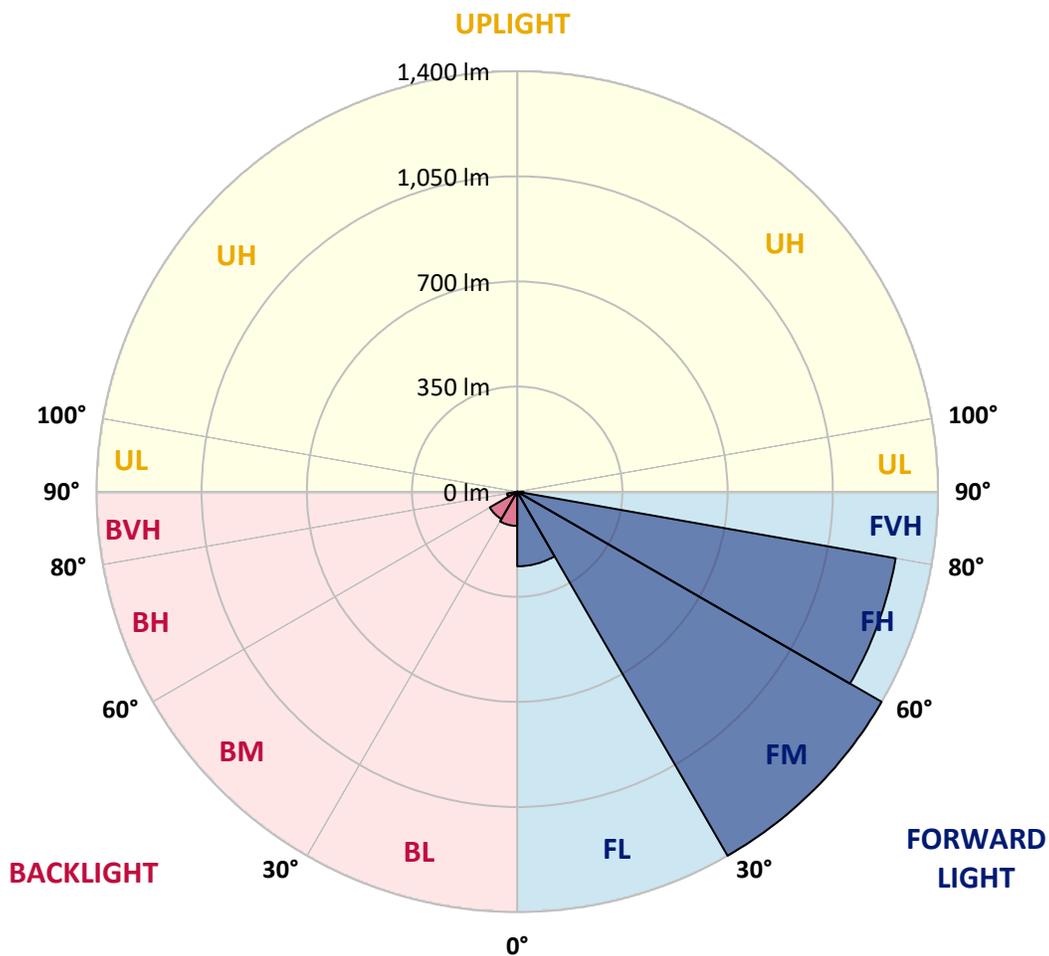
CATALOG NUMBER: UPW-SA1-030-727-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 248.3 | 7.8 | | | |
| FM | (30°-60°) | 1399.6 | 43.7 | | | |
| FH | (60°-80°) | 1278.2 | 39.9 | | | G1/1800 |
| FVH | (80°-90°) | 20.6 | 0.6 | | | G1/100 |
| BL | (0°-30°) | 114.0 | 3.6 | B1/500 | | |
| BM | (30°-60°) | 105.0 | 3.3 | B0/220 | | |
| BH | (60°-80°) | 33.9 | 1.1 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.3 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type III Medium





REPORT NUMBER: P1207788

CATALOG NUMBER: UPW-SA1-030-727-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 54° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 |
| 2.5° | 599.0 | 599.7 | 602.3 | 603.5 | 606.2 | 610.8 | 613.1 | 613.3 | 617.0 | 618.4 | 619.6 |
| 5° | 556.6 | 561.0 | 565.3 | 569.9 | 578.2 | 589.3 | 600.2 | 601.2 | 613.3 | 622.2 | 626.9 |
| 7.5° | 520.1 | 524.0 | 529.2 | 536.5 | 548.3 | 565.7 | 583.9 | 586.1 | 608.9 | 629.2 | 639.8 |
| 10° | 482.6 | 485.8 | 493.3 | 504.1 | 520.3 | 543.6 | 568.1 | 571.7 | 605.1 | 638.7 | 657.4 |
| 12.5° | 442.6 | 444.4 | 453.5 | 469.0 | 492.8 | 522.4 | 554.8 | 559.5 | 602.6 | 649.6 | 678.1 |
| 15° | 412.1 | 413.0 | 421.6 | 437.7 | 465.0 | 503.5 | 544.4 | 550.2 | 603.2 | 662.7 | 700.6 |
| 17.5° | 404.3 | 404.8 | 409.4 | 420.4 | 444.6 | 486.5 | 536.2 | 543.3 | 604.9 | 675.5 | 723.3 |
| 20° | 435.8 | 432.8 | 428.0 | 426.3 | 436.7 | 476.3 | 531.4 | 539.3 | 607.2 | 686.8 | 743.7 |
| 22.5° | 522.2 | 513.2 | 493.6 | 467.3 | 451.3 | 477.0 | 532.6 | 540.5 | 614.5 | 700.8 | 767.3 |
| 25° | 650.3 | 638.0 | 604.5 | 552.8 | 503.0 | 497.7 | 543.4 | 551.5 | 628.8 | 717.4 | 789.8 |
| 27.5° | 796.2 | 784.0 | 743.0 | 669.1 | 584.4 | 538.7 | 568.1 | 575.6 | 649.9 | 732.2 | 807.1 |
| 30° | 935.8 | 932.4 | 884.1 | 800.2 | 686.7 | 605.1 | 600.0 | 606.4 | 665.6 | 741.1 | 820.7 |
| 32.5° | 1054.2 | 1048.8 | 1010.0 | 928.4 | 803.8 | 684.8 | 637.5 | 639.4 | 677.3 | 752.6 | 838.6 |
| 35° | 1164.0 | 1157.2 | 1123.2 | 1046.0 | 923.9 | 782.2 | 695.3 | 692.6 | 703.1 | 775.8 | 864.4 |
| 37.5° | 1259.8 | 1266.0 | 1228.2 | 1154.8 | 1031.7 | 883.5 | 773.2 | 765.0 | 743.3 | 813.4 | 901.9 |
| 40° | 1340.0 | 1340.0 | 1320.3 | 1259.1 | 1148.1 | 988.3 | 861.3 | 850.5 | 803.8 | 871.5 | 949.5 |
| 42.5° | 1368.9 | 1375.1 | 1382.4 | 1347.8 | 1252.2 | 1097.2 | 959.4 | 948.2 | 889.0 | 953.8 | 1009.5 |
| 45° | 1370.6 | 1380.4 | 1417.9 | 1417.8 | 1346.3 | 1205.4 | 1070.0 | 1064.7 | 998.2 | 1059.5 | 1084.0 |
| 47.5° | 1346.3 | 1358.6 | 1420.3 | 1455.4 | 1420.9 | 1306.1 | 1191.0 | 1184.4 | 1126.5 | 1189.1 | 1161.8 |
| 50° | 1308.8 | 1322.3 | 1394.2 | 1470.2 | 1471.6 | 1393.8 | 1318.5 | 1308.5 | 1267.7 | 1337.3 | 1242.3 |
| 52.5° | 1241.7 | 1267.9 | 1370.8 | 1473.6 | 1505.0 | 1469.5 | 1439.7 | 1435.4 | 1425.8 | 1480.0 | 1306.4 |
| 55° | 1098.2 | 1127.2 | 1312.0 | 1474.8 | 1535.9 | 1536.6 | 1553.4 | 1554.5 | 1573.9 | 1613.3 | 1354.1 |
| 57.5° | 1030.4 | 1046.8 | 1209.4 | 1480.3 | 1581.7 | 1612.7 | 1669.2 | 1678.1 | 1708.1 | 1739.9 | 1408.6 |
| 60° | 987.7 | 1007.1 | 1158.8 | 1472.8 | 1653.7 | 1712.6 | 1776.5 | 1779.6 | 1811.7 | 1870.5 | 1482.3 |
| 62.5° | 953.6 | 972.8 | 1126.9 | 1444.0 | 1734.6 | 1832.7 | 1881.4 | 1881.7 | 1905.9 | 2026.1 | 1566.0 |
| 65° | 869.6 | 885.7 | 1062.4 | 1411.7 | 1788.0 | 1951.5 | 2003.3 | 2001.4 | 2021.1 | 2190.2 | 1663.3 |
| 67.5° | 748.0 | 760.4 | 930.7 | 1289.2 | 1767.9 | 2059.6 | 2187.2 | 2181.0 | 2157.2 | 2332.0 | 1701.5 |
| 70° | 578.3 | 582.8 | 733.5 | 1074.3 | 1579.4 | 2101.1 | 2364.9 | 2361.8 | 2240.6 | 2306.6 | 1561.4 |
| 71° | 478.0 | 492.7 | 646.4 | 948.2 | 1453.1 | 2062.8 | 2382.2 | 2384.0 | 2219.7 | 2237.3 | 1465.0 |
| 72.5° | 277.6 | 290.1 | 468.6 | 728.2 | 1233.7 | 1902.7 | 2292.8 | 2306.3 | 2121.7 | 2035.0 | 1251.4 |
| 75° | 59.5 | 63.7 | 173.7 | 352.5 | 678.6 | 1333.6 | 1809.7 | 1857.9 | 1729.3 | 1384.4 | 754.2 |
| 77.5° | 41.4 | 44.7 | 74.4 | 159.9 | 224.3 | 658.9 | 1124.2 | 1178.5 | 1033.1 | 520.3 | 241.4 |
| 80° | 32.8 | 36.5 | 58.0 | 79.0 | 60.6 | 212.5 | 526.6 | 559.8 | 344.6 | 116.1 | 40.7 |
| 82.5° | 18.2 | 21.7 | 45.3 | 42.7 | 23.3 | 40.4 | 147.4 | 166.7 | 69.0 | 23.4 | 9.6 |
| 85° | 5.3 | 6.5 | 29.2 | 31.0 | 9.9 | 7.8 | 25.1 | 31.2 | 13.1 | 6.2 | 4.3 |
| 87.5° | 0.0 | 0.0 | 14.1 | 11.9 | 2.9 | 1.1 | 2.3 | 2.6 | 2.6 | 2.6 | 2.9 |
| 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: P1207788

CATALOG NUMBER: UPW-SA1-030-727-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 | 617.1 |
| 2.5° | 619.6 | 620.6 | 617.0 | 612.2 | 607.2 | 601.0 | 594.6 | 589.5 | 589.4 | 587.0 | 584.5 |
| 5° | 627.2 | 626.6 | 616.7 | 601.6 | 583.8 | 565.3 | 547.6 | 527.6 | 521.0 | 512.8 | 510.1 |
| 7.5° | 641.3 | 637.2 | 616.3 | 583.2 | 544.1 | 505.3 | 465.3 | 424.9 | 407.6 | 392.1 | 389.4 |
| 10° | 658.9 | 651.3 | 613.5 | 555.6 | 483.9 | 412.4 | 351.9 | 297.0 | 272.9 | 254.3 | 253.5 |
| 12.5° | 677.3 | 665.7 | 605.9 | 514.0 | 405.1 | 304.5 | 234.8 | 180.8 | 160.6 | 147.7 | 148.9 |
| 15° | 696.6 | 679.2 | 589.5 | 457.8 | 315.2 | 206.6 | 144.3 | 112.5 | 104.5 | 101.2 | 102.0 |
| 17.5° | 716.3 | 688.5 | 566.7 | 390.1 | 226.6 | 133.3 | 99.9 | 91.0 | 91.0 | 91.7 | 92.0 |
| 20° | 733.4 | 693.6 | 533.1 | 314.2 | 153.6 | 97.1 | 87.4 | 86.1 | 86.8 | 87.9 | 88.1 |
| 22.5° | 750.3 | 693.9 | 489.3 | 237.4 | 107.5 | 85.1 | 83.2 | 82.6 | 83.1 | 84.3 | 84.5 |
| 25° | 764.1 | 690.4 | 434.4 | 168.8 | 85.8 | 80.2 | 79.3 | 79.0 | 79.3 | 80.9 | 80.9 |
| 27.5° | 769.7 | 677.9 | 367.4 | 118.7 | 76.9 | 74.7 | 74.4 | 74.7 | 75.1 | 76.3 | 76.4 |
| 30° | 770.3 | 656.1 | 294.4 | 85.9 | 69.7 | 67.4 | 68.0 | 69.0 | 68.5 | 68.3 | 68.5 |
| 32.5° | 771.7 | 630.8 | 223.3 | 70.7 | 63.7 | 60.1 | 59.3 | 59.3 | 57.6 | 56.6 | 56.0 |
| 35° | 776.5 | 601.0 | 161.9 | 63.5 | 57.5 | 53.3 | 50.6 | 47.4 | 44.1 | 42.4 | 42.0 |
| 37.5° | 784.0 | 569.9 | 116.0 | 58.8 | 52.0 | 47.3 | 42.1 | 36.5 | 31.8 | 30.5 | 30.5 |
| 40° | 797.6 | 537.7 | 85.8 | 55.0 | 47.7 | 41.8 | 34.1 | 26.7 | 22.4 | 21.7 | 21.7 |
| 42.5° | 819.2 | 503.8 | 68.4 | 51.7 | 44.0 | 36.2 | 26.0 | 19.4 | 16.2 | 15.8 | 15.7 |
| 45° | 841.6 | 466.4 | 59.8 | 48.6 | 39.9 | 29.7 | 19.3 | 14.4 | 12.5 | 12.1 | 12.1 |
| 47.5° | 864.0 | 426.6 | 55.6 | 45.5 | 36.1 | 23.1 | 14.4 | 11.4 | 10.5 | 10.5 | 10.6 |
| 50° | 883.0 | 385.1 | 52.6 | 42.2 | 31.0 | 17.5 | 11.4 | 9.6 | 9.3 | 9.9 | 10.1 |
| 52.5° | 887.7 | 344.3 | 48.9 | 38.1 | 24.9 | 13.4 | 9.3 | 8.5 | 8.5 | 8.5 | 8.5 |
| 55° | 884.8 | 312.7 | 44.0 | 32.9 | 18.4 | 10.6 | 8.0 | 7.5 | 7.3 | 7.3 | 7.3 |
| 57.5° | 894.6 | 294.0 | 35.2 | 25.6 | 13.2 | 8.6 | 7.0 | 6.6 | 6.3 | 6.2 | 6.2 |
| 60° | 914.3 | 281.8 | 25.1 | 18.4 | 9.9 | 7.2 | 6.0 | 5.6 | 5.2 | 4.9 | 4.9 |
| 62.5° | 940.4 | 271.1 | 18.7 | 13.7 | 7.6 | 5.7 | 5.0 | 4.6 | 4.0 | 3.7 | 3.7 |
| 65° | 960.5 | 252.2 | 14.2 | 10.2 | 5.7 | 4.6 | 3.9 | 3.7 | 2.9 | 2.6 | 2.4 |
| 67.5° | 929.8 | 210.5 | 11.5 | 7.5 | 4.3 | 3.6 | 3.0 | 2.9 | 1.7 | 1.4 | 1.4 |
| 70° | 797.5 | 146.6 | 9.2 | 5.5 | 3.2 | 2.9 | 2.4 | 1.9 | 1.3 | 1.1 | 1.1 |
| 71° | 723.2 | 122.4 | 8.3 | 4.6 | 2.7 | 2.7 | 2.3 | 1.6 | 1.1 | 1.0 | 1.0 |
| 72.5° | 600.8 | 86.9 | 7.0 | 3.6 | 2.4 | 2.9 | 2.4 | 1.4 | 1.1 | 1.0 | 0.9 |
| 75° | 348.7 | 36.4 | 4.9 | 2.4 | 1.9 | 3.4 | 3.2 | 1.3 | 0.9 | 0.7 | 0.7 |
| 77.5° | 104.9 | 13.4 | 2.7 | 1.6 | 1.4 | 3.0 | 3.6 | 1.1 | 0.4 | 0.1 | 0.1 |
| 80° | 19.1 | 5.7 | 1.7 | 1.0 | 1.0 | 1.9 | 2.7 | 0.6 | 0.0 | 0.0 | 0.0 |
| 82.5° | 6.8 | 2.9 | 1.0 | 0.6 | 0.4 | 0.9 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 3.9 | 2.0 | 0.6 | 0.3 | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.6 | 0.6 | 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 |

(END OF REPORT)