

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: P1208016

Luminaire Tested: UPW-SA1-040-727-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-727-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3530 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

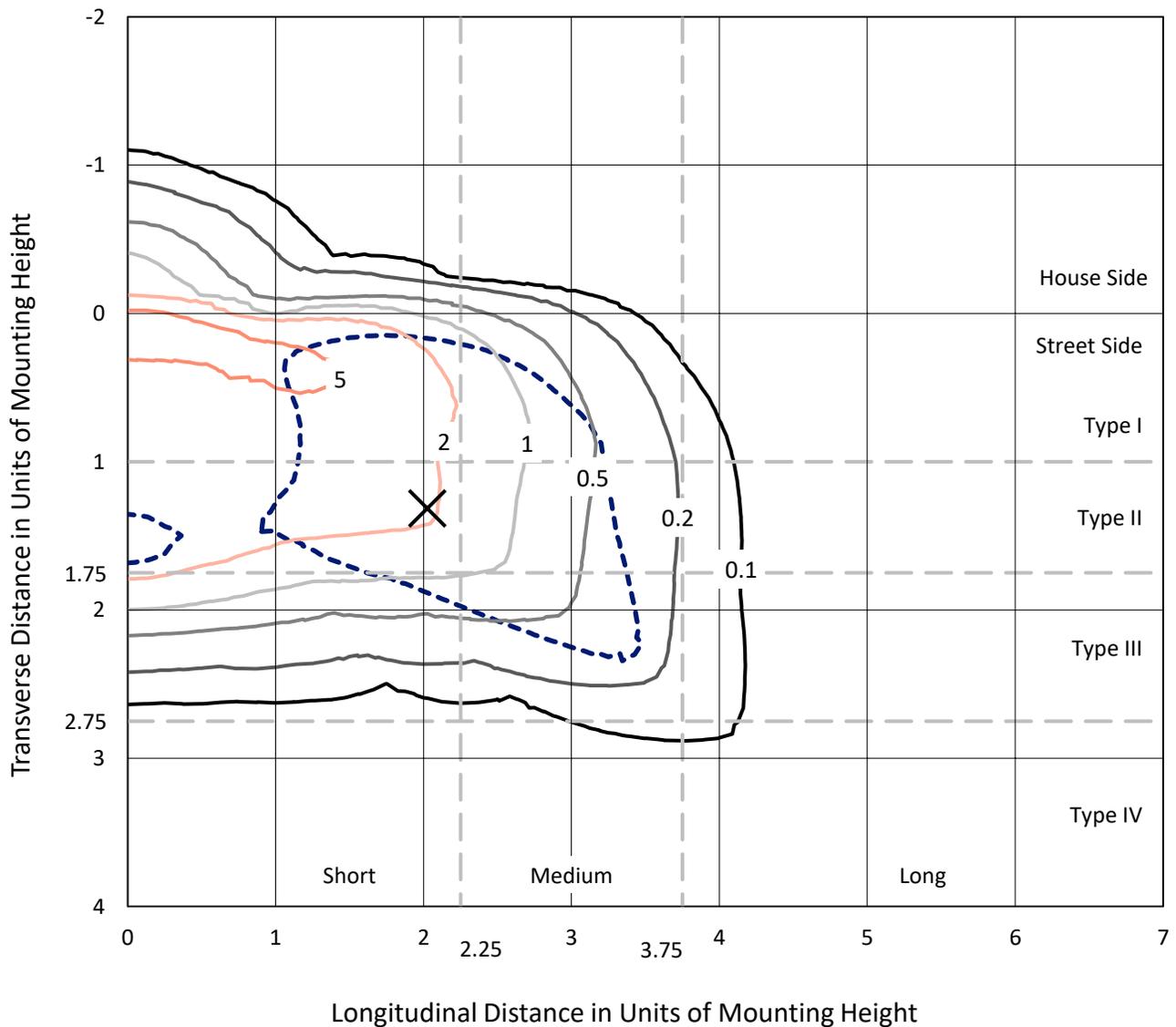
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

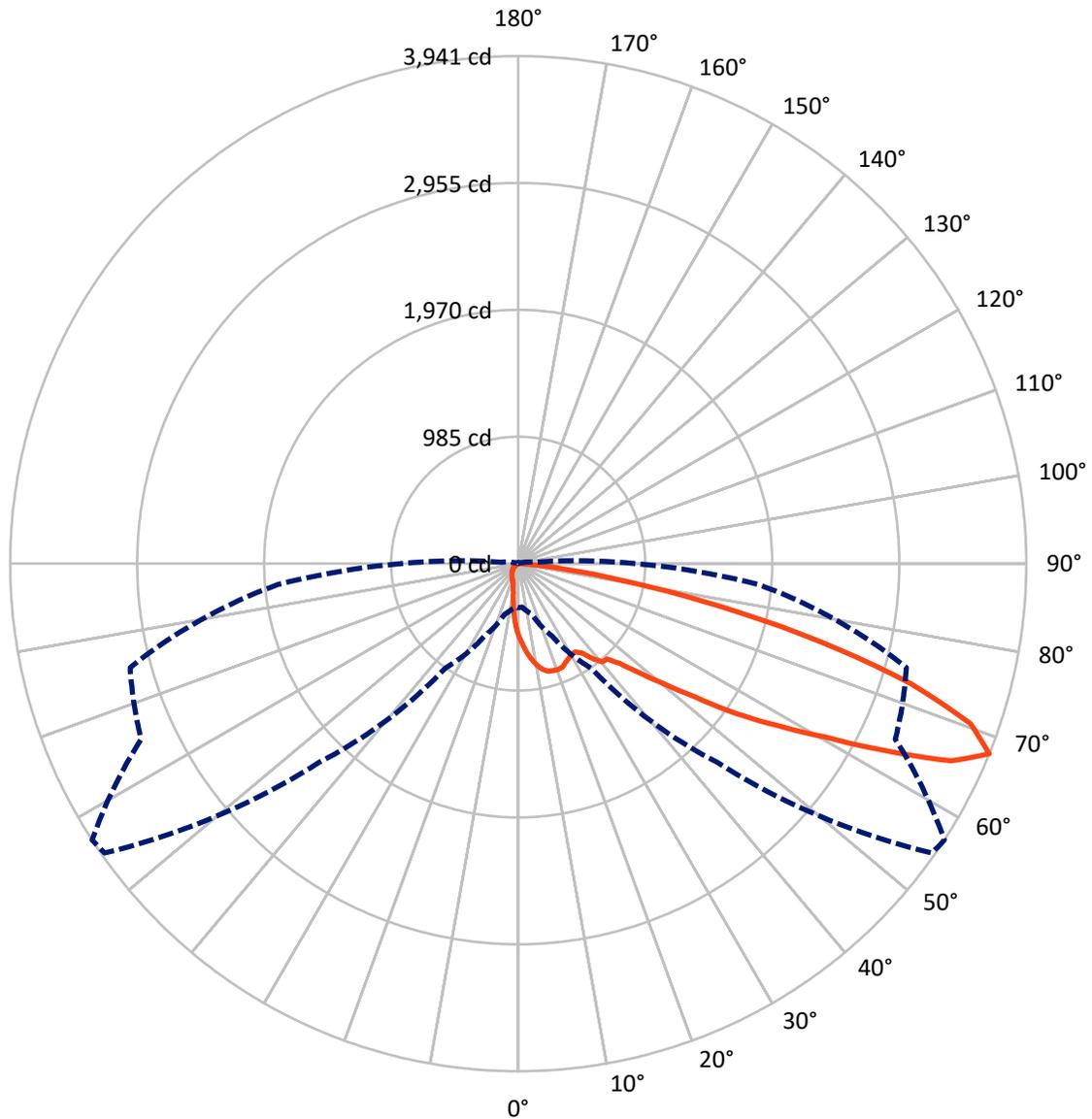
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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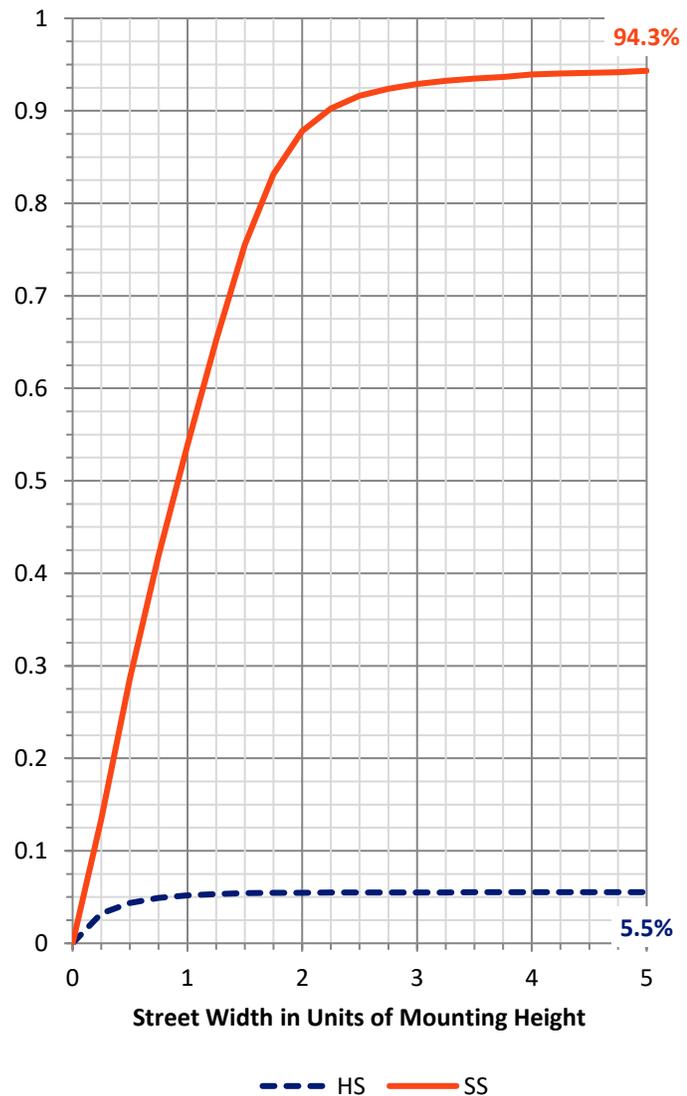
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 196.5 | 0.0 | 196.5 |
| | % Fixture | 5.6 | 0.0 | 5.6 |
| Street Side | Lumens | 3333.5 | 0.0 | 3333.5 |
| | % Fixture | 94.4 | 0.0 | 94.4 |
| Total | Lumens | 3530.0 | 0.0 | 3530.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 50.5 | 1.4 |
| 10°-20° | 131.3 | 3.7 |
| 20°-30° | 192.2 | 5.4 |
| 30°-40° | 289.0 | 8.2 |
| 40°-50° | 471.5 | 13.4 |
| 50°-60° | 892.3 | 25.3 |
| 60°-70° | 1019.7 | 28.9 |
| 70°-80° | 445.1 | 12.6 |
| 80°-90° | 38.4 | 1.1 |
| 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° | 3530.0 | 100.0 |
| 0°-180° | 3530.0 | 100.0 |



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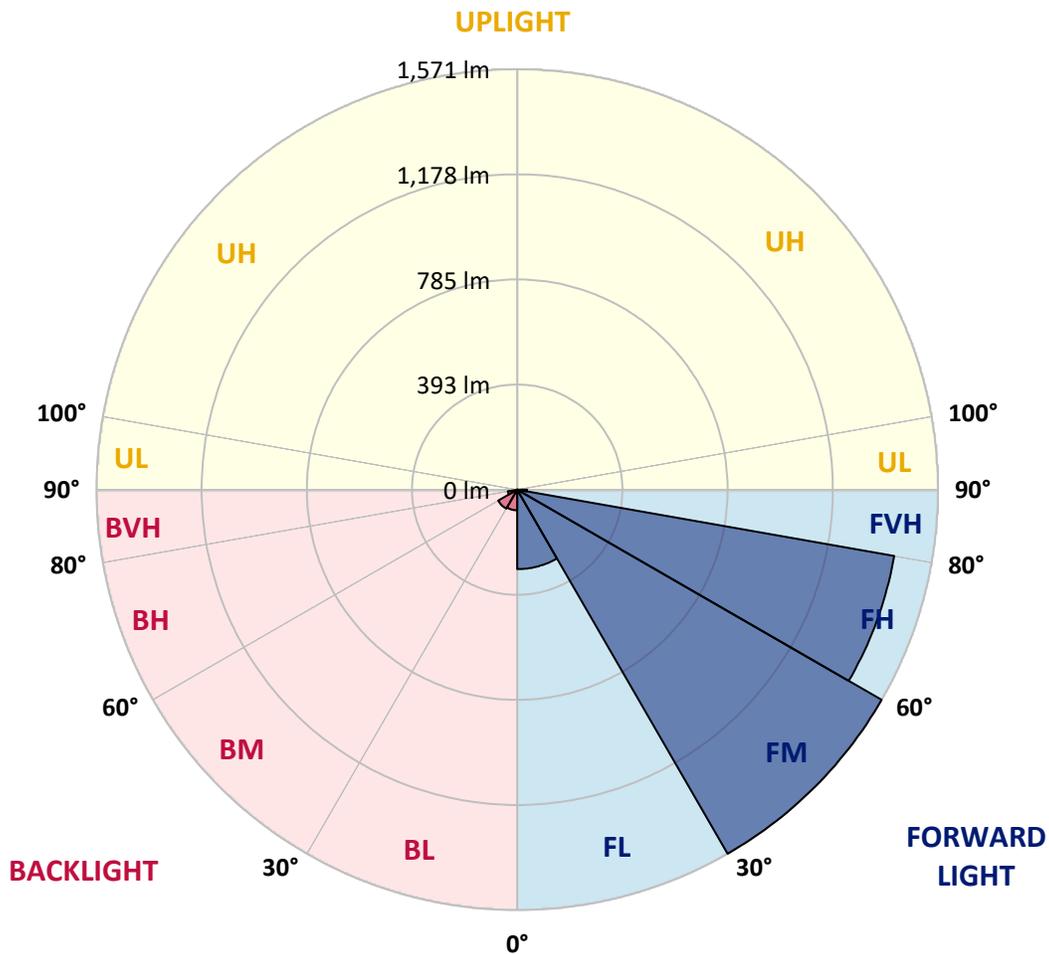
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 296.8 | 8.4 | | | |
| FM (30°-60°) | 1570.9 | 44.5 | | | |
| FH (60°-80°) | 1429.2 | 40.5 | | | G1/1800 |
| FVH (80°-90°) | 36.5 | 1.0 | | | G1/100 |
| BL (0°-30°) | 77.1 | 2.2 | B0/110 | | |
| BM (30°-60°) | 81.9 | 2.3 | B0/220 | | |
| BH (60°-80°) | 35.6 | 1.0 | B0/110 | | G0/110 |
| BVH (80°-90°) | 1.9 | 0.1 | | | 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 Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 |
| 2.5° | 663.0 | 668.4 | 670.6 | 661.3 | 652.6 | 646.0 | 632.8 | 624.6 | 612.0 | 596.7 | 575.3 |
| 5° | 760.5 | 759.9 | 754.5 | 747.3 | 743.5 | 722.7 | 700.8 | 692.0 | 671.7 | 633.4 | 591.7 |
| 7.5° | 797.2 | 800.5 | 804.3 | 799.9 | 793.4 | 782.4 | 756.7 | 750.1 | 720.5 | 670.6 | 612.0 |
| 10° | 780.2 | 785.7 | 792.3 | 803.8 | 825.7 | 829.5 | 809.8 | 802.7 | 767.1 | 712.3 | 629.0 |
| 12.5° | 701.9 | 710.1 | 721.0 | 758.3 | 809.3 | 841.0 | 845.4 | 843.2 | 813.1 | 749.5 | 641.0 |
| 15° | 597.8 | 589.0 | 617.5 | 669.0 | 752.8 | 825.7 | 865.1 | 866.8 | 851.4 | 784.6 | 654.2 |
| 17.5° | 519.4 | 527.6 | 540.2 | 579.1 | 666.3 | 770.9 | 862.4 | 872.8 | 879.9 | 821.9 | 669.5 |
| 20° | 506.3 | 506.8 | 512.3 | 533.7 | 579.1 | 705.2 | 853.1 | 877.7 | 915.0 | 858.6 | 676.1 |
| 22.5° | 518.9 | 515.6 | 518.3 | 522.7 | 551.2 | 638.3 | 833.4 | 873.4 | 935.8 | 904.0 | 689.8 |
| 25° | 535.3 | 539.1 | 534.2 | 528.7 | 545.2 | 608.2 | 810.4 | 851.4 | 967.1 | 944.6 | 695.8 |
| 27.5° | 581.3 | 583.5 | 570.4 | 550.6 | 556.7 | 594.5 | 774.7 | 833.9 | 1014.2 | 990.1 | 705.7 |
| 30° | 656.4 | 654.2 | 626.8 | 594.5 | 580.8 | 603.2 | 752.3 | 814.7 | 1039.4 | 1025.1 | 700.8 |
| 32.5° | 712.3 | 707.9 | 681.0 | 647.6 | 623.5 | 636.7 | 752.3 | 816.9 | 1090.3 | 1086.5 | 710.1 |
| 35° | 762.7 | 758.8 | 725.4 | 698.6 | 677.8 | 689.8 | 794.5 | 852.5 | 1163.2 | 1200.5 | 743.0 |
| 37.5° | 817.5 | 807.1 | 780.8 | 734.2 | 727.6 | 774.2 | 885.4 | 933.6 | 1278.8 | 1306.2 | 744.1 |
| 40° | 904.0 | 895.3 | 853.1 | 804.9 | 769.3 | 837.2 | 956.6 | 1002.7 | 1360.4 | 1391.1 | 739.7 |
| 42.5° | 1022.9 | 1002.1 | 950.1 | 879.9 | 823.0 | 871.2 | 964.9 | 1012.5 | 1422.4 | 1523.2 | 781.9 |
| 45° | 1152.2 | 1146.2 | 1073.9 | 983.5 | 923.2 | 917.2 | 1052.0 | 1104.6 | 1559.9 | 1736.3 | 873.4 |
| 47.5° | 1339.1 | 1292.0 | 1196.6 | 1100.2 | 1048.7 | 1008.1 | 1185.7 | 1265.7 | 1727.5 | 1985.6 | 1009.8 |
| 50° | 1535.8 | 1508.4 | 1363.2 | 1230.0 | 1167.0 | 1152.2 | 1397.2 | 1469.5 | 1942.3 | 2266.1 | 1237.2 |
| 52.5° | 1871.1 | 1808.1 | 1611.9 | 1444.3 | 1335.2 | 1321.0 | 1627.3 | 1719.9 | 2184.5 | 2600.9 | 1466.7 |
| 55° | 2096.8 | 2057.9 | 1860.7 | 1734.1 | 1591.1 | 1547.8 | 1953.3 | 2054.6 | 2480.9 | 2892.9 | 1696.3 |
| 57.5° | 2169.2 | 2121.5 | 1944.0 | 1913.3 | 1880.4 | 1905.1 | 2291.3 | 2375.7 | 2686.4 | 3120.9 | 1899.6 |
| 60° | 1879.3 | 1877.7 | 1776.3 | 1856.3 | 2019.0 | 2303.9 | 2690.8 | 2728.0 | 2852.9 | 3260.6 | 2026.1 |
| 62.5° | 1351.7 | 1347.3 | 1367.6 | 1565.9 | 1869.4 | 2574.1 | 3240.3 | 3198.7 | 2997.6 | 3338.4 | 2094.6 |
| 65° | 700.8 | 704.1 | 806.0 | 1067.3 | 1504.0 | 2553.2 | 3743.3 | 3690.7 | 3086.9 | 3290.7 | 2046.4 |
| 67.5° | 341.9 | 339.2 | 405.4 | 620.8 | 993.3 | 2180.1 | 3915.9 | 3940.5 | 3227.2 | 3115.9 | 1872.2 |
| 70° | 170.4 | 172.6 | 220.8 | 327.6 | 542.4 | 1565.9 | 3616.2 | 3720.8 | 3097.8 | 2743.9 | 1594.4 |
| 72.5° | 120.0 | 121.6 | 150.1 | 194.5 | 253.7 | 950.6 | 3001.4 | 3181.7 | 2585.6 | 2182.8 | 1123.8 |
| 75° | 86.0 | 88.8 | 110.1 | 145.2 | 140.8 | 477.2 | 2319.8 | 2426.7 | 1874.4 | 1347.8 | 595.6 |
| 77.5° | 62.5 | 66.3 | 86.0 | 111.8 | 97.5 | 200.5 | 1606.5 | 1603.7 | 1057.5 | 640.5 | 241.1 |
| 80° | 41.1 | 43.8 | 63.6 | 82.7 | 69.6 | 93.1 | 941.3 | 886.5 | 467.9 | 245.5 | 87.7 |
| 82.5° | 23.0 | 24.1 | 42.7 | 57.5 | 48.2 | 43.8 | 420.8 | 387.9 | 158.3 | 89.9 | 41.1 |
| 85° | 1.6 | 2.7 | 25.2 | 36.2 | 25.8 | 21.9 | 117.8 | 106.8 | 51.0 | 41.1 | 21.9 |
| 87.5° | 0.0 | 0.0 | 3.3 | 6.6 | 4.4 | 3.3 | 28.5 | 24.7 | 15.3 | 24.1 | 11.0 |
| 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: P1208016

CATALOG NUMBER: UPW-SA1-040-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 | 561.6 |
| 2.5° | 566.5 | 551.2 | 528.2 | 505.7 | 483.8 | 464.1 | 449.8 | 435.6 | 429.6 | 415.9 | 439.4 |
| 5° | 569.8 | 542.4 | 487.6 | 434.5 | 388.5 | 339.2 | 306.8 | 283.8 | 272.3 | 261.9 | 262.4 |
| 7.5° | 573.1 | 531.5 | 447.1 | 357.2 | 290.9 | 238.9 | 209.8 | 199.4 | 195.1 | 189.6 | 189.6 |
| 10° | 569.3 | 513.9 | 389.0 | 281.1 | 213.7 | 185.7 | 169.9 | 166.0 | 168.2 | 167.7 | 169.3 |
| 12.5° | 569.3 | 493.1 | 329.8 | 219.2 | 175.3 | 158.9 | 154.5 | 154.0 | 157.2 | 159.4 | 160.5 |
| 15° | 562.1 | 461.3 | 270.7 | 179.7 | 153.4 | 147.4 | 145.7 | 145.7 | 147.9 | 150.1 | 149.6 |
| 17.5° | 556.1 | 429.6 | 221.4 | 154.5 | 140.3 | 138.6 | 137.5 | 136.4 | 139.2 | 141.4 | 141.9 |
| 20° | 541.3 | 385.2 | 182.5 | 139.2 | 131.5 | 129.3 | 128.8 | 127.7 | 130.4 | 132.6 | 134.2 |
| 22.5° | 520.0 | 334.8 | 156.2 | 127.7 | 123.8 | 121.1 | 119.4 | 120.0 | 122.7 | 124.9 | 123.8 |
| 25° | 491.5 | 290.4 | 137.0 | 119.4 | 114.0 | 112.3 | 110.1 | 111.2 | 111.8 | 114.0 | 115.6 |
| 27.5° | 460.2 | 247.1 | 124.4 | 112.9 | 107.4 | 104.1 | 101.4 | 100.8 | 101.4 | 104.1 | 103.0 |
| 30° | 414.2 | 209.3 | 115.6 | 105.2 | 99.2 | 94.8 | 91.5 | 89.9 | 89.3 | 89.9 | 90.4 |
| 32.5° | 379.1 | 184.1 | 109.6 | 99.2 | 91.5 | 86.0 | 82.2 | 78.9 | 77.8 | 76.7 | 76.7 |
| 35° | 356.7 | 170.4 | 103.6 | 91.0 | 83.8 | 78.4 | 72.3 | 68.5 | 66.3 | 65.2 | 65.7 |
| 37.5° | 308.5 | 146.8 | 96.4 | 84.9 | 76.7 | 70.1 | 64.1 | 58.1 | 56.4 | 57.5 | 57.5 |
| 40° | 267.9 | 126.0 | 89.9 | 77.8 | 68.5 | 62.5 | 55.9 | 48.8 | 47.7 | 51.0 | 51.5 |
| 42.5° | 252.6 | 116.7 | 83.8 | 71.2 | 61.4 | 56.4 | 47.7 | 42.2 | 42.2 | 44.9 | 45.5 |
| 45° | 271.2 | 114.0 | 78.4 | 65.2 | 55.3 | 49.9 | 41.1 | 36.2 | 36.2 | 38.9 | 39.4 |
| 47.5° | 330.4 | 118.3 | 72.9 | 59.2 | 51.0 | 43.8 | 34.0 | 31.8 | 31.8 | 32.9 | 33.4 |
| 50° | 455.9 | 132.6 | 67.4 | 53.1 | 46.6 | 37.3 | 29.6 | 27.4 | 26.8 | 27.4 | 27.4 |
| 52.5° | 615.3 | 161.1 | 61.4 | 47.7 | 41.1 | 31.2 | 25.8 | 23.6 | 21.9 | 21.9 | 21.4 |
| 55° | 776.4 | 191.8 | 55.3 | 42.2 | 35.6 | 26.8 | 21.9 | 19.7 | 17.0 | 15.9 | 15.3 |
| 57.5° | 918.3 | 216.4 | 48.2 | 37.3 | 30.7 | 23.0 | 19.2 | 14.8 | 11.0 | 8.8 | 8.8 |
| 60° | 1006.5 | 223.0 | 41.6 | 32.3 | 25.2 | 19.7 | 15.3 | 9.9 | 5.5 | 4.4 | 3.8 |
| 62.5° | 1022.9 | 202.2 | 35.6 | 27.4 | 21.4 | 16.4 | 11.0 | 5.5 | 2.2 | 0.5 | 0.5 |
| 65° | 978.6 | 159.4 | 30.7 | 23.0 | 17.5 | 13.1 | 7.1 | 2.7 | 0.0 | 0.0 | 0.0 |
| 67.5° | 904.0 | 125.5 | 25.8 | 19.2 | 14.8 | 10.4 | 4.4 | 0.5 | 0.0 | 0.0 | 0.0 |
| 70° | 788.4 | 100.3 | 22.5 | 16.4 | 12.6 | 8.8 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 580.8 | 66.3 | 19.7 | 14.8 | 11.0 | 6.6 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 317.8 | 42.2 | 18.1 | 13.7 | 10.4 | 5.5 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 128.8 | 29.6 | 15.9 | 13.1 | 10.4 | 5.5 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 48.8 | 20.8 | 13.7 | 11.5 | 9.9 | 5.5 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 25.8 | 17.0 | 13.1 | 11.5 | 9.3 | 4.9 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 12.6 | 5.5 | 6.6 | 6.6 | 7.7 | 4.4 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.7 | 0.0 | 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)