

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: P1208502

Luminaire Tested: UPW-SA1-070-727-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208502
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-SA1-070-727-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1200mA 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: 4793 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

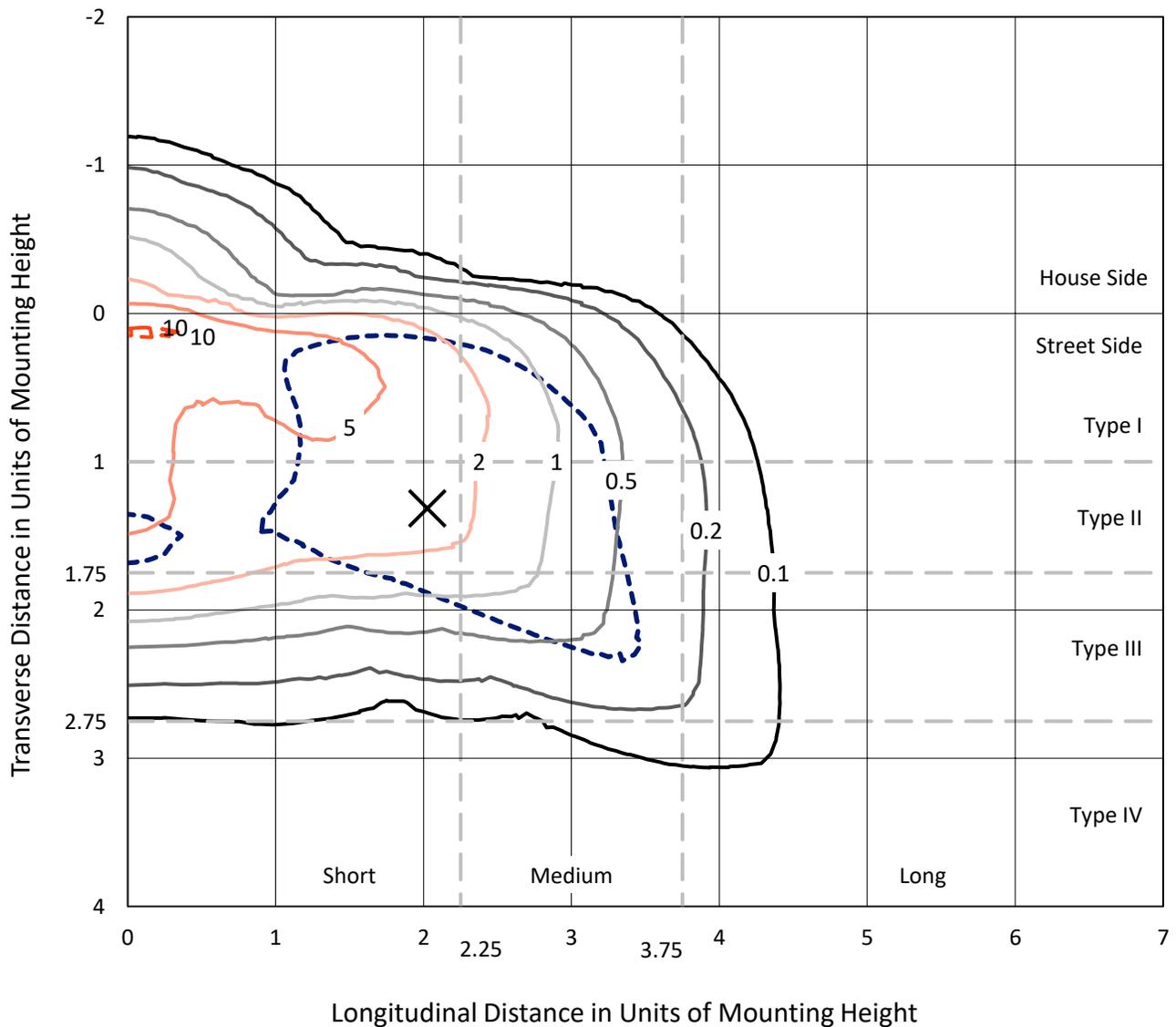
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208502
 CATALOG NUMBER: UPW-SA1-070-727-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

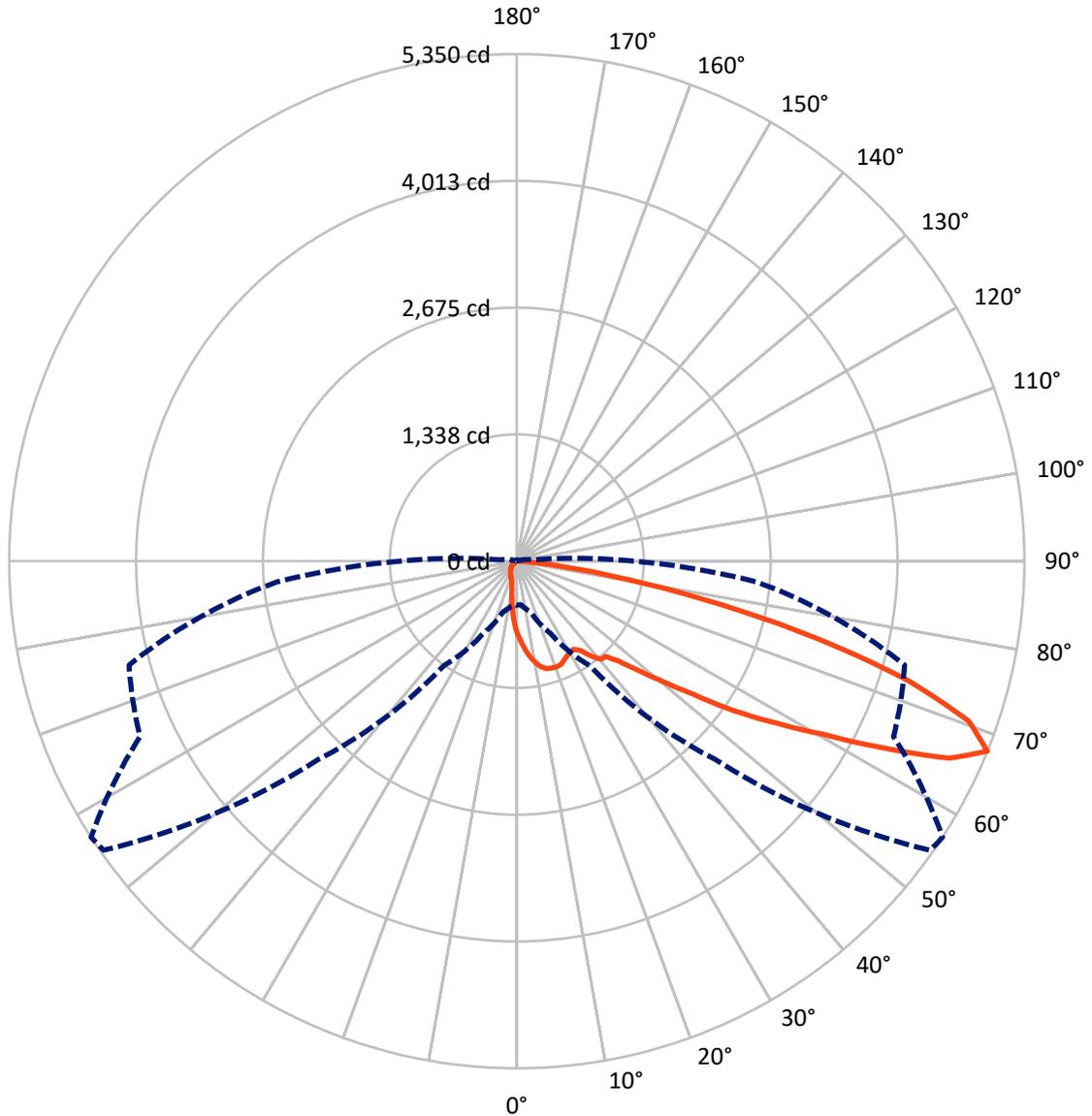
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 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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CATALOG NUMBER: UPW-SA1-070-727-U-SL3-HSS

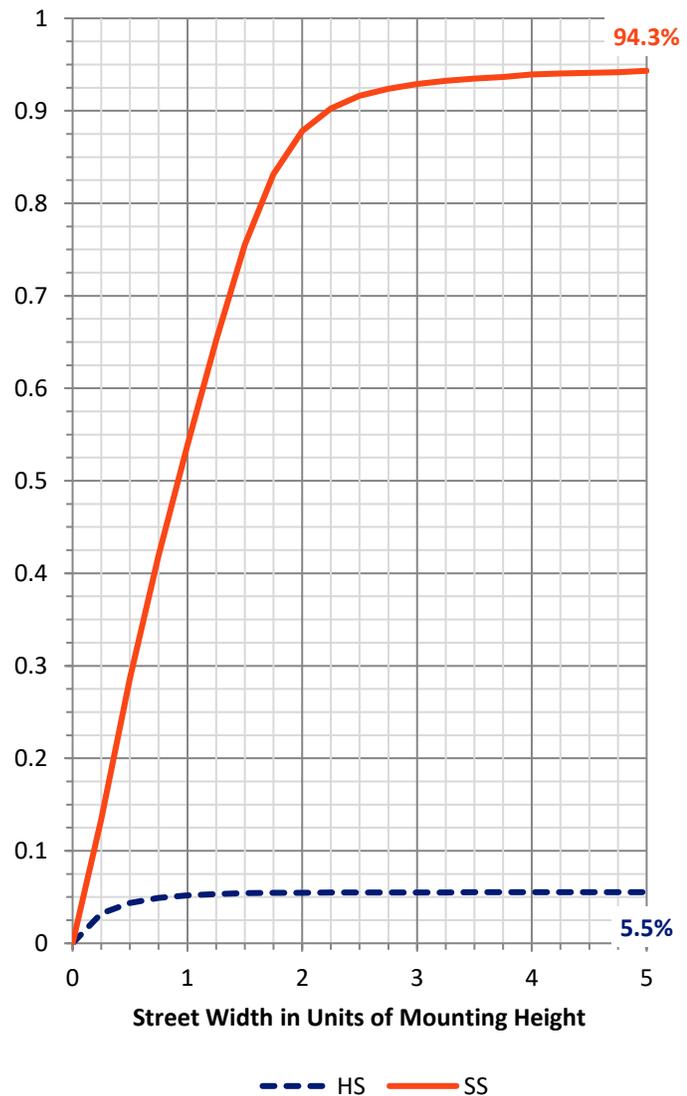
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 266.7 | 0.0 | 266.7 |
| | % Fixture | 5.6 | 0.0 | 5.6 |
| Street Side | Lumens | 4526.2 | 0.0 | 4526.2 |
| | % Fixture | 94.4 | 0.0 | 94.4 |
| Total | Lumens | 4793.0 | 0.0 | 4793.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 68.5 | 1.4 |
| 10°-20° | 178.3 | 3.7 |
| 20°-30° | 260.9 | 5.4 |
| 30°-40° | 392.4 | 8.2 |
| 40°-50° | 640.1 | 13.4 |
| 50°-60° | 1211.6 | 25.3 |
| 60°-70° | 1384.6 | 28.9 |
| 70°-80° | 604.3 | 12.6 |
| 80°-90° | 52.2 | 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° | 4793.0 | 100.0 |
| 0°-180° | 4793.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P1208502

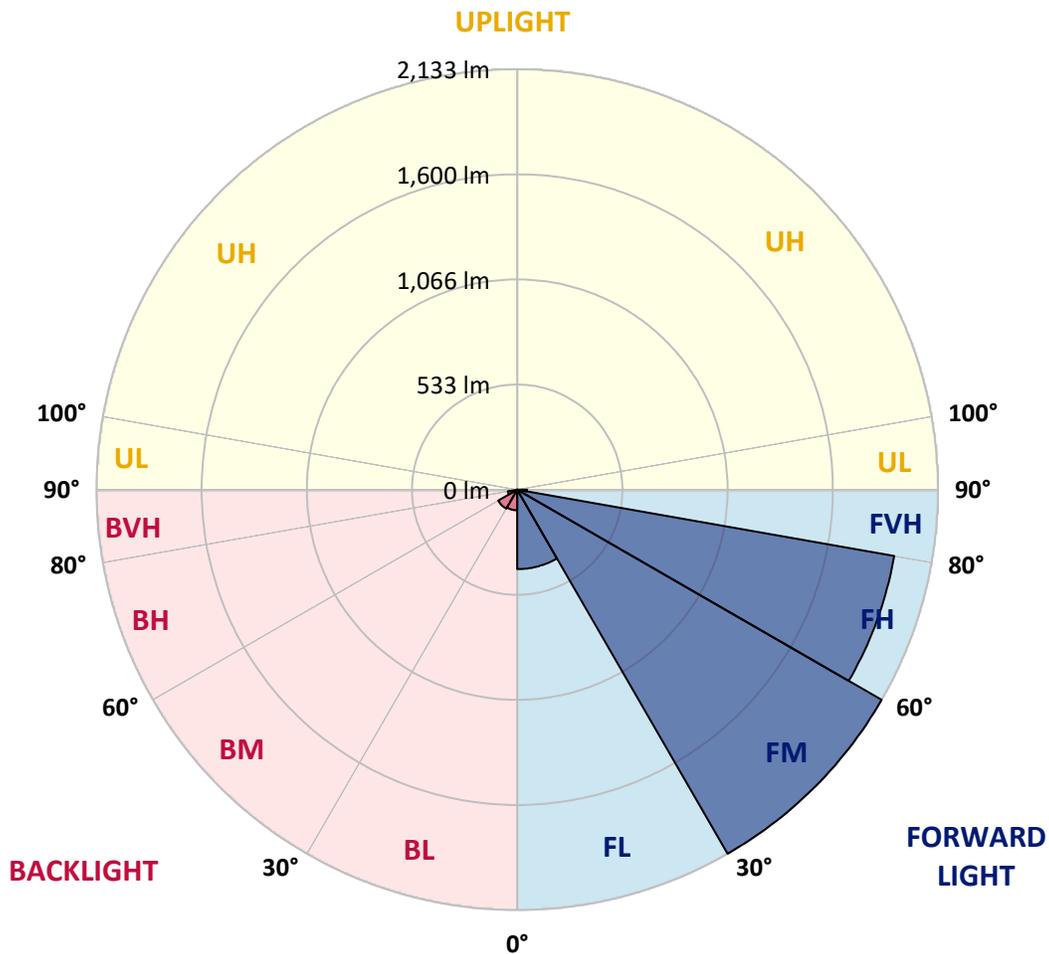
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 403.0 | 8.4 | | | |
| FM | (30°-60°) | 2133.0 | 44.5 | | | |
| FH | (60°-80°) | 1940.6 | 40.5 | | | G2/5000 |
| FVH | (80°-90°) | 49.6 | 1.0 | | | G1/100 |
| BL | (0°-30°) | 104.7 | 2.2 | B0/110 | | |
| BM | (30°-60°) | 111.1 | 2.3 | B0/220 | | |
| BH | (60°-80°) | 48.3 | 1.0 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 2.6 | 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-G2

Type III Short





REPORT NUMBER: P1208502

CATALOG NUMBER: UPW-SA1-070-727-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 |
| 2.5° | 900.2 | 907.6 | 910.6 | 897.9 | 886.0 | 877.1 | 859.2 | 848.1 | 831.0 | 810.1 | 781.1 |
| 5° | 1032.6 | 1031.8 | 1024.4 | 1014.7 | 1009.5 | 981.3 | 951.5 | 939.6 | 912.1 | 860.0 | 803.5 |
| 7.5° | 1082.4 | 1086.9 | 1092.1 | 1086.2 | 1077.2 | 1062.3 | 1027.4 | 1018.5 | 978.3 | 910.6 | 831.0 |
| 10° | 1059.4 | 1066.8 | 1075.7 | 1091.4 | 1121.1 | 1126.3 | 1099.5 | 1089.9 | 1041.5 | 967.1 | 854.0 |
| 12.5° | 953.0 | 964.1 | 979.0 | 1029.6 | 1098.8 | 1141.9 | 1147.9 | 1144.9 | 1104.0 | 1017.7 | 870.4 |
| 15° | 811.6 | 799.7 | 838.4 | 908.3 | 1022.2 | 1121.1 | 1174.7 | 1176.9 | 1156.1 | 1065.3 | 888.3 |
| 17.5° | 705.3 | 716.4 | 733.5 | 786.3 | 904.6 | 1046.7 | 1171.0 | 1185.1 | 1194.8 | 1115.9 | 909.1 |
| 20° | 687.4 | 688.1 | 695.6 | 724.6 | 786.3 | 957.4 | 1158.3 | 1191.8 | 1242.4 | 1165.8 | 918.0 |
| 22.5° | 704.5 | 700.0 | 703.8 | 709.7 | 748.4 | 866.7 | 1131.5 | 1185.8 | 1270.6 | 1227.5 | 936.6 |
| 25° | 726.8 | 732.0 | 725.3 | 717.9 | 740.2 | 825.8 | 1100.3 | 1156.1 | 1313.1 | 1282.6 | 944.8 |
| 27.5° | 789.3 | 792.3 | 774.4 | 747.7 | 755.8 | 807.2 | 1051.9 | 1132.3 | 1377.0 | 1344.3 | 958.2 |
| 30° | 891.2 | 888.3 | 851.1 | 807.2 | 788.6 | 819.1 | 1021.4 | 1106.2 | 1411.3 | 1391.9 | 951.5 |
| 32.5° | 967.1 | 961.2 | 924.7 | 879.3 | 846.6 | 864.5 | 1021.4 | 1109.2 | 1480.4 | 1475.2 | 964.1 |
| 35° | 1035.6 | 1030.4 | 985.0 | 948.5 | 920.3 | 936.6 | 1078.7 | 1157.6 | 1579.4 | 1630.0 | 1008.8 |
| 37.5° | 1110.0 | 1095.8 | 1060.1 | 996.9 | 988.0 | 1051.2 | 1202.2 | 1267.7 | 1736.4 | 1773.6 | 1010.3 |
| 40° | 1227.5 | 1215.6 | 1158.3 | 1092.8 | 1044.5 | 1136.7 | 1298.9 | 1361.4 | 1847.2 | 1888.9 | 1004.3 |
| 42.5° | 1388.9 | 1360.7 | 1290.0 | 1194.8 | 1117.4 | 1182.9 | 1310.1 | 1374.8 | 1931.3 | 2068.1 | 1061.6 |
| 45° | 1564.5 | 1556.3 | 1458.1 | 1335.4 | 1253.5 | 1245.4 | 1428.4 | 1499.8 | 2118.0 | 2357.5 | 1185.8 |
| 47.5° | 1818.2 | 1754.2 | 1624.8 | 1493.8 | 1423.9 | 1368.8 | 1609.9 | 1718.5 | 2345.6 | 2696.0 | 1371.1 |
| 50° | 2085.3 | 2048.1 | 1850.9 | 1670.1 | 1584.6 | 1564.5 | 1897.0 | 1995.2 | 2637.3 | 3076.9 | 1679.8 |
| 52.5° | 2540.6 | 2455.0 | 2188.7 | 1961.0 | 1813.0 | 1793.6 | 2209.5 | 2335.2 | 2966.1 | 3531.5 | 1991.5 |
| 55° | 2847.1 | 2794.2 | 2526.4 | 2354.6 | 2160.4 | 2101.6 | 2652.1 | 2789.8 | 3368.6 | 3928.0 | 2303.2 |
| 57.5° | 2945.3 | 2880.5 | 2639.5 | 2597.8 | 2553.2 | 2586.7 | 3111.2 | 3225.7 | 3647.5 | 4237.5 | 2579.2 |
| 60° | 2551.7 | 2549.5 | 2411.8 | 2520.5 | 2741.4 | 3128.3 | 3653.5 | 3704.1 | 3873.7 | 4427.2 | 2751.1 |
| 62.5° | 1835.3 | 1829.3 | 1856.9 | 2126.2 | 2538.3 | 3495.0 | 4399.7 | 4343.1 | 4070.1 | 4532.8 | 2844.1 |
| 65° | 951.5 | 956.0 | 1094.3 | 1449.2 | 2042.1 | 3466.8 | 5082.6 | 5011.2 | 4191.4 | 4468.1 | 2778.6 |
| 67.5° | 464.2 | 460.5 | 550.5 | 842.9 | 1348.8 | 2960.1 | 5316.9 | 5350.4 | 4381.8 | 4230.8 | 2542.0 |
| 70° | 231.4 | 234.3 | 299.8 | 444.9 | 736.5 | 2126.2 | 4910.0 | 5052.1 | 4206.2 | 3725.6 | 2164.9 |
| 72.5° | 162.9 | 165.2 | 203.8 | 264.1 | 344.4 | 1290.7 | 4075.3 | 4320.1 | 3510.6 | 2963.9 | 1525.8 |
| 75° | 116.8 | 120.5 | 149.5 | 197.1 | 191.2 | 648.0 | 3149.8 | 3294.9 | 2545.0 | 1830.1 | 808.7 |
| 77.5° | 84.8 | 90.0 | 116.8 | 151.8 | 132.4 | 272.3 | 2181.2 | 2177.5 | 1435.8 | 869.7 | 327.3 |
| 80° | 55.8 | 59.5 | 86.3 | 112.3 | 94.5 | 126.5 | 1278.1 | 1203.7 | 635.3 | 333.3 | 119.0 |
| 82.5° | 31.2 | 32.7 | 58.0 | 78.1 | 65.5 | 59.5 | 571.3 | 526.7 | 215.0 | 122.0 | 55.8 |
| 85° | 2.2 | 3.7 | 34.2 | 49.1 | 35.0 | 29.8 | 159.9 | 145.1 | 69.2 | 55.8 | 29.8 |
| 87.5° | 0.0 | 0.0 | 4.5 | 8.9 | 6.0 | 4.5 | 38.7 | 33.5 | 20.8 | 32.7 | 14.9 |
| 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: P1208502

CATALOG NUMBER: UPW-SA1-070-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 | 762.5 |
| 2.5° | 769.2 | 748.4 | 717.2 | 686.7 | 656.9 | 630.1 | 610.8 | 591.4 | 583.2 | 564.6 | 596.6 |
| 5° | 773.7 | 736.5 | 662.1 | 589.9 | 527.5 | 460.5 | 416.6 | 385.4 | 369.7 | 355.6 | 356.3 |
| 7.5° | 778.2 | 721.6 | 607.1 | 485.0 | 395.0 | 324.4 | 284.9 | 270.8 | 264.8 | 257.4 | 257.4 |
| 10° | 773.0 | 697.8 | 528.2 | 381.6 | 290.1 | 252.2 | 230.6 | 225.4 | 228.4 | 227.6 | 229.9 |
| 12.5° | 773.0 | 669.5 | 447.9 | 297.6 | 238.1 | 215.7 | 209.8 | 209.0 | 213.5 | 216.5 | 218.0 |
| 15° | 763.3 | 626.4 | 367.5 | 244.0 | 208.3 | 200.1 | 197.9 | 197.9 | 200.9 | 203.8 | 203.1 |
| 17.5° | 755.1 | 583.2 | 300.6 | 209.8 | 190.4 | 188.2 | 186.7 | 185.2 | 189.0 | 191.9 | 192.7 |
| 20° | 735.0 | 523.0 | 247.7 | 189.0 | 178.5 | 175.6 | 174.8 | 173.3 | 177.1 | 180.0 | 182.3 |
| 22.5° | 706.0 | 454.5 | 212.0 | 173.3 | 168.1 | 164.4 | 162.2 | 162.9 | 166.6 | 169.6 | 168.1 |
| 25° | 667.3 | 394.3 | 186.0 | 162.2 | 154.7 | 152.5 | 149.5 | 151.0 | 151.8 | 154.7 | 157.0 |
| 27.5° | 624.9 | 335.5 | 168.9 | 153.3 | 145.8 | 141.3 | 137.6 | 136.9 | 137.6 | 141.3 | 139.9 |
| 30° | 562.4 | 284.2 | 157.0 | 142.8 | 134.7 | 128.7 | 124.2 | 122.0 | 121.3 | 122.0 | 122.7 |
| 32.5° | 514.8 | 250.0 | 148.8 | 134.7 | 124.2 | 116.8 | 111.6 | 107.1 | 105.6 | 104.2 | 104.2 |
| 35° | 484.3 | 231.4 | 140.6 | 123.5 | 113.8 | 106.4 | 98.2 | 93.0 | 90.0 | 88.5 | 89.3 |
| 37.5° | 418.8 | 199.4 | 130.9 | 115.3 | 104.2 | 95.2 | 87.0 | 78.9 | 76.6 | 78.1 | 78.1 |
| 40° | 363.8 | 171.1 | 122.0 | 105.6 | 93.0 | 84.8 | 75.9 | 66.2 | 64.7 | 69.2 | 69.9 |
| 42.5° | 343.0 | 158.5 | 113.8 | 96.7 | 83.3 | 76.6 | 64.7 | 57.3 | 57.3 | 61.0 | 61.7 |
| 45° | 368.2 | 154.7 | 106.4 | 88.5 | 75.1 | 67.7 | 55.8 | 49.1 | 49.1 | 52.8 | 53.6 |
| 47.5° | 448.6 | 160.7 | 98.9 | 80.3 | 69.2 | 59.5 | 46.1 | 43.1 | 43.1 | 44.6 | 45.4 |
| 50° | 619.0 | 180.0 | 91.5 | 72.2 | 63.2 | 50.6 | 40.2 | 37.2 | 36.5 | 37.2 | 37.2 |
| 52.5° | 835.4 | 218.7 | 83.3 | 64.7 | 55.8 | 42.4 | 35.0 | 32.0 | 29.8 | 29.8 | 29.0 |
| 55° | 1054.2 | 260.4 | 75.1 | 57.3 | 48.4 | 36.5 | 29.8 | 26.8 | 23.1 | 21.6 | 20.8 |
| 57.5° | 1246.8 | 293.9 | 65.5 | 50.6 | 41.7 | 31.2 | 26.0 | 20.1 | 14.9 | 11.9 | 11.9 |
| 60° | 1366.6 | 302.8 | 56.5 | 43.9 | 34.2 | 26.8 | 20.8 | 13.4 | 7.4 | 6.0 | 5.2 |
| 62.5° | 1388.9 | 274.5 | 48.4 | 37.2 | 29.0 | 22.3 | 14.9 | 7.4 | 3.0 | 0.7 | 0.7 |
| 65° | 1328.7 | 216.5 | 41.7 | 31.2 | 23.8 | 17.9 | 9.7 | 3.7 | 0.0 | 0.0 | 0.0 |
| 67.5° | 1227.5 | 170.4 | 35.0 | 26.0 | 20.1 | 14.1 | 6.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| 70° | 1070.5 | 136.1 | 30.5 | 22.3 | 17.1 | 11.9 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 788.6 | 90.0 | 26.8 | 20.1 | 14.9 | 8.9 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 431.5 | 57.3 | 24.5 | 18.6 | 14.1 | 7.4 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 174.8 | 40.2 | 21.6 | 17.9 | 14.1 | 7.4 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 66.2 | 28.3 | 18.6 | 15.6 | 13.4 | 7.4 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 35.0 | 23.1 | 17.9 | 15.6 | 12.6 | 6.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 17.1 | 7.4 | 8.9 | 8.9 | 10.4 | 6.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.7 | 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)