

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: P1207896

Luminaire Tested: UPW-SA1-030-750-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-750-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 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: 3827 lumens
Efficiency: N/A
Efficacy: 112.6 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

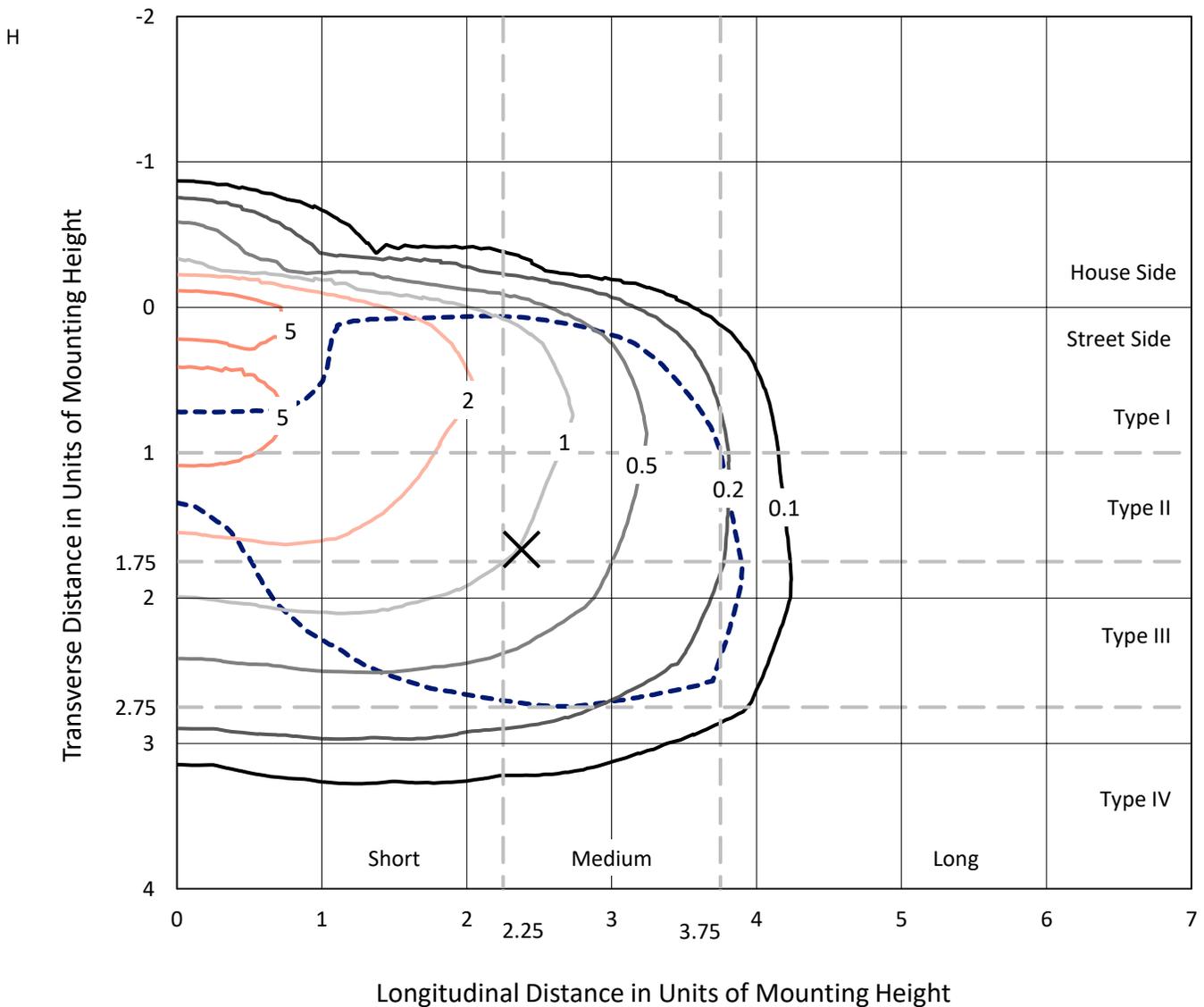
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

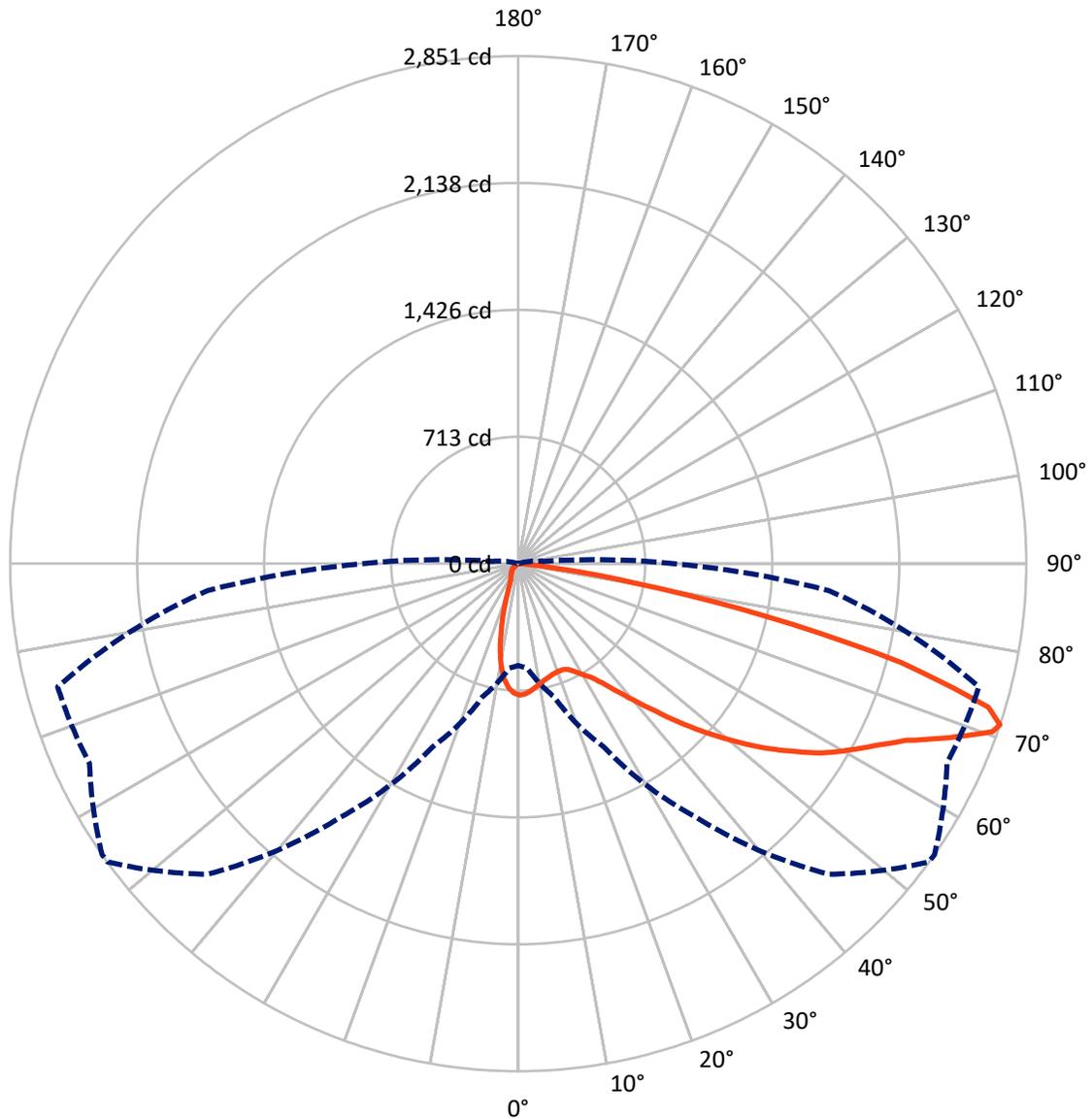


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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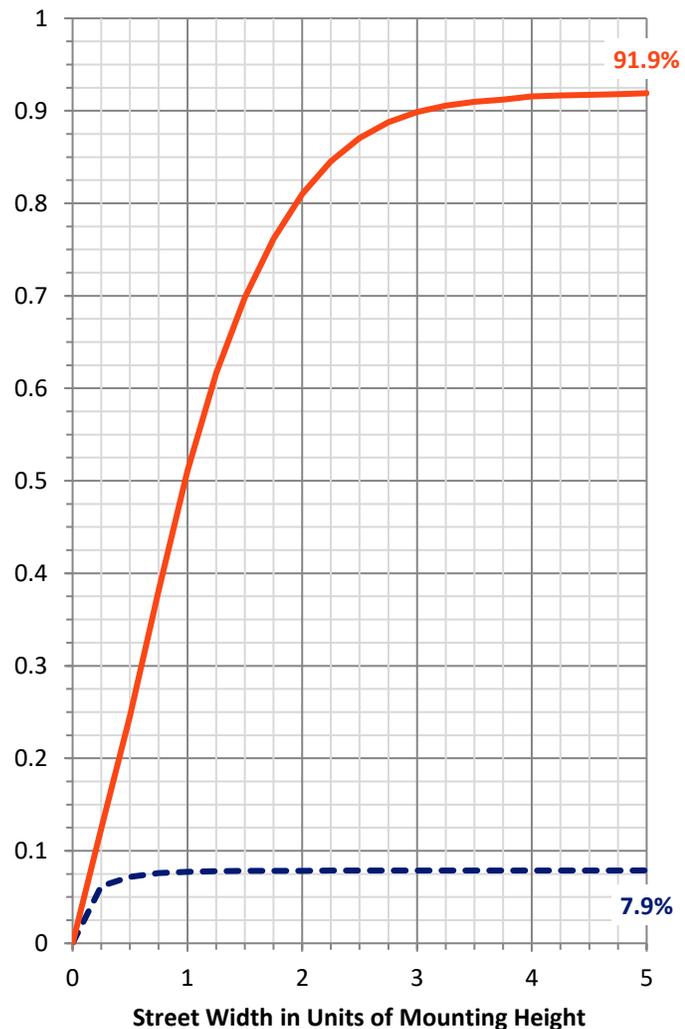
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 303.0 | 0.0 | 303.0 |
| | % Fixture | 7.9 | 0.0 | 7.9 |
| Street Side | Lumens | 3524.0 | 0.0 | 3524.0 |
| | % Fixture | 92.1 | 0.0 | 92.1 |
| Total | Lumens | 3827.0 | 0.0 | 3827.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 62.9 | 1.6 |
| 10°-20° | 142.1 | 3.7 |
| 20°-30° | 228.3 | 6.0 |
| 30°-40° | 387.9 | 10.1 |
| 40°-50° | 602.1 | 15.7 |
| 50°-60° | 809.5 | 21.2 |
| 60°-70° | 990.2 | 25.9 |
| 70°-80° | 579.0 | 15.1 |
| 80°-90° | 25.0 | 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° | 3827.0 | 100.0 |
| 0°-180° | 3827.0 | 100.0 |



--- HS — SS

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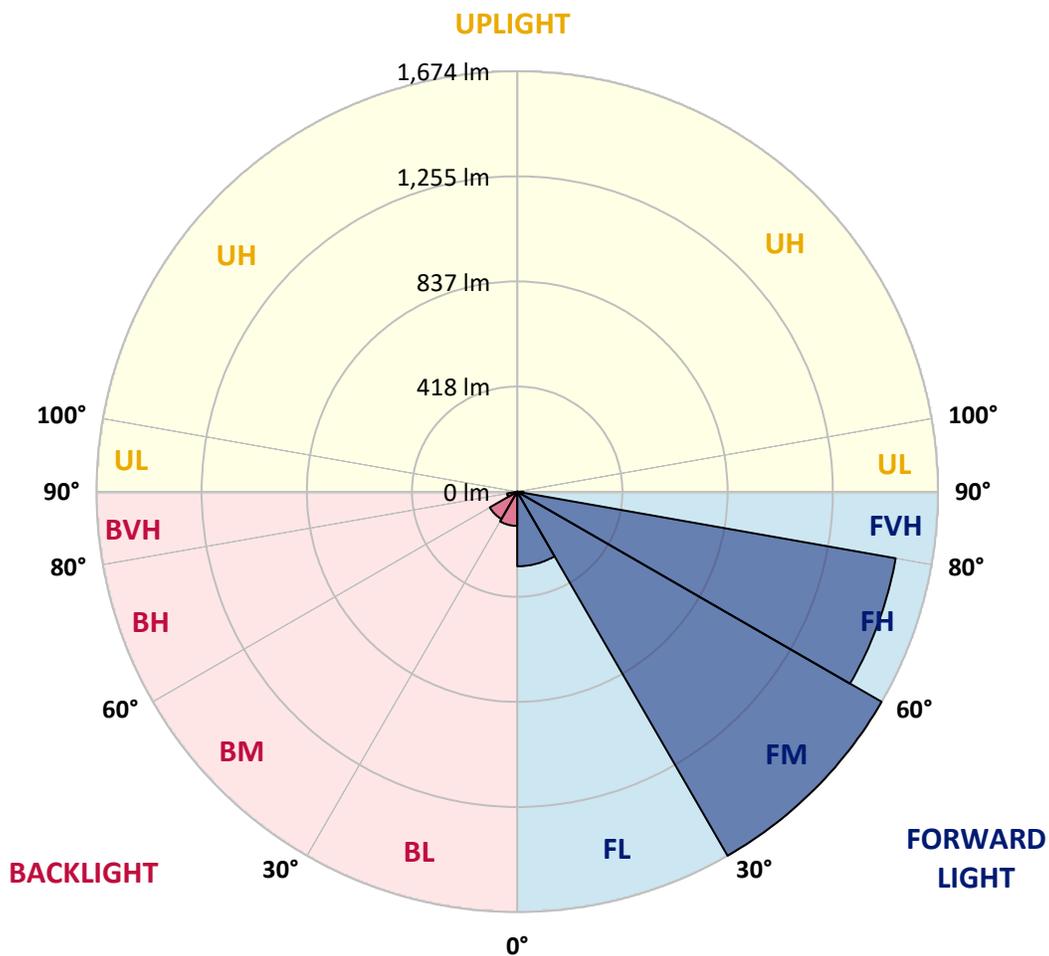
CATALOG NUMBER: UPW-SA1-030-750-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 296.9 | 7.8 | | | |
| FM | (30°-60°) | 1673.8 | 43.7 | | | |
| FH | (60°-80°) | 1528.6 | 39.9 | | | G1/1800 |
| FVH | (80°-90°) | 24.6 | 0.6 | | | G1/100 |
| BL | (0°-30°) | 136.4 | 3.6 | B1/500 | | |
| BM | (30°-60°) | 125.6 | 3.3 | B0/220 | | |
| BH | (60°-80°) | 40.6 | 1.1 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.4 | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 54° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 |
| 2.5° | 716.4 | 717.3 | 720.4 | 721.7 | 725.0 | 730.5 | 733.2 | 733.4 | 737.9 | 739.6 | 741.0 |
| 5° | 665.7 | 670.9 | 676.0 | 681.5 | 691.5 | 704.7 | 717.8 | 719.0 | 733.4 | 744.1 | 749.7 |
| 7.5° | 622.1 | 626.7 | 632.9 | 641.6 | 655.7 | 676.5 | 698.4 | 700.9 | 728.3 | 752.5 | 765.2 |
| 10° | 577.2 | 581.0 | 589.9 | 602.8 | 622.2 | 650.1 | 679.5 | 683.7 | 723.6 | 763.8 | 786.2 |
| 12.5° | 529.3 | 531.5 | 542.3 | 560.9 | 589.4 | 624.8 | 663.5 | 669.1 | 720.7 | 776.9 | 810.9 |
| 15° | 492.8 | 493.9 | 504.2 | 523.4 | 556.1 | 602.1 | 651.1 | 658.0 | 721.4 | 792.5 | 837.9 |
| 17.5° | 483.6 | 484.1 | 489.6 | 502.8 | 531.7 | 581.8 | 641.3 | 649.7 | 723.4 | 807.8 | 865.0 |
| 20° | 521.2 | 517.6 | 511.9 | 509.8 | 522.2 | 569.6 | 635.5 | 644.9 | 726.2 | 821.4 | 889.4 |
| 22.5° | 624.5 | 613.8 | 590.3 | 558.8 | 539.7 | 570.5 | 637.0 | 646.5 | 735.0 | 838.1 | 917.6 |
| 25° | 777.7 | 763.0 | 722.9 | 661.1 | 601.6 | 595.3 | 649.9 | 659.5 | 752.0 | 858.0 | 944.6 |
| 27.5° | 952.2 | 937.6 | 888.6 | 800.3 | 698.9 | 644.2 | 679.5 | 688.4 | 777.2 | 875.7 | 965.2 |
| 30° | 1119.2 | 1115.1 | 1057.3 | 957.0 | 821.2 | 723.6 | 717.6 | 725.2 | 796.0 | 886.3 | 981.5 |
| 32.5° | 1260.8 | 1254.3 | 1207.9 | 1110.3 | 961.3 | 819.0 | 762.5 | 764.7 | 810.1 | 900.1 | 1002.9 |
| 35° | 1392.1 | 1384.0 | 1343.3 | 1251.0 | 1104.9 | 935.5 | 831.5 | 828.3 | 840.8 | 927.8 | 1033.8 |
| 37.5° | 1506.7 | 1514.1 | 1468.9 | 1381.1 | 1233.8 | 1056.6 | 924.7 | 914.9 | 888.9 | 972.8 | 1078.6 |
| 40° | 1602.6 | 1602.6 | 1579.0 | 1505.8 | 1373.0 | 1181.9 | 1030.0 | 1017.1 | 961.3 | 1042.2 | 1135.5 |
| 42.5° | 1637.1 | 1644.5 | 1653.3 | 1611.9 | 1497.6 | 1312.2 | 1147.4 | 1134.0 | 1063.2 | 1140.7 | 1207.3 |
| 45° | 1639.2 | 1650.9 | 1695.7 | 1695.5 | 1610.1 | 1441.6 | 1279.7 | 1273.3 | 1193.8 | 1267.1 | 1296.4 |
| 47.5° | 1610.1 | 1624.7 | 1698.6 | 1740.6 | 1699.3 | 1562.0 | 1424.4 | 1416.5 | 1347.2 | 1422.1 | 1389.5 |
| 50° | 1565.3 | 1581.4 | 1667.4 | 1758.3 | 1760.0 | 1666.8 | 1576.8 | 1564.9 | 1516.1 | 1599.3 | 1485.7 |
| 52.5° | 1485.0 | 1516.3 | 1639.3 | 1762.4 | 1799.8 | 1757.4 | 1721.8 | 1716.7 | 1705.2 | 1769.9 | 1562.4 |
| 55° | 1313.4 | 1348.1 | 1569.1 | 1763.8 | 1836.8 | 1837.7 | 1857.8 | 1859.1 | 1882.3 | 1929.4 | 1619.4 |
| 57.5° | 1232.3 | 1251.9 | 1446.4 | 1770.3 | 1891.6 | 1928.7 | 1996.3 | 2006.9 | 2042.8 | 2080.8 | 1684.5 |
| 60° | 1181.2 | 1204.4 | 1385.9 | 1761.4 | 1977.7 | 2048.2 | 2124.6 | 2128.2 | 2166.7 | 2237.0 | 1772.7 |
| 62.5° | 1140.5 | 1163.4 | 1347.7 | 1727.0 | 2074.4 | 2191.8 | 2250.1 | 2250.4 | 2279.3 | 2423.1 | 1872.9 |
| 65° | 1040.0 | 1059.2 | 1270.6 | 1688.3 | 2138.4 | 2333.9 | 2395.8 | 2393.6 | 2417.1 | 2619.3 | 1989.2 |
| 67.5° | 894.6 | 909.4 | 1113.0 | 1541.7 | 2114.3 | 2463.1 | 2615.7 | 2608.4 | 2579.8 | 2789.0 | 2034.9 |
| 70° | 691.7 | 697.0 | 877.2 | 1284.8 | 1888.9 | 2512.8 | 2828.3 | 2824.5 | 2679.7 | 2758.5 | 1867.4 |
| 71° | 571.7 | 589.2 | 773.1 | 1134.0 | 1737.8 | 2466.9 | 2848.9 | 2851.2 | 2654.6 | 2675.7 | 1752.1 |
| 72.5° | 332.0 | 346.9 | 560.4 | 870.9 | 1475.4 | 2275.5 | 2742.0 | 2758.2 | 2537.4 | 2433.8 | 1496.6 |
| 75° | 71.1 | 76.1 | 207.8 | 421.5 | 811.6 | 1594.8 | 2164.3 | 2221.9 | 2068.1 | 1655.7 | 902.0 |
| 77.5° | 49.5 | 53.4 | 89.0 | 191.3 | 268.2 | 788.1 | 1344.5 | 1409.4 | 1235.5 | 622.2 | 288.7 |
| 80° | 39.2 | 43.6 | 69.4 | 94.5 | 72.5 | 254.2 | 629.8 | 669.5 | 412.1 | 138.8 | 48.6 |
| 82.5° | 21.8 | 25.9 | 54.1 | 51.0 | 27.8 | 48.3 | 176.3 | 199.3 | 82.5 | 28.0 | 11.5 |
| 85° | 6.4 | 7.7 | 34.9 | 37.1 | 11.9 | 9.3 | 30.1 | 37.3 | 15.6 | 7.4 | 5.2 |
| 87.5° | 0.0 | 0.0 | 16.8 | 14.3 | 3.4 | 1.4 | 2.7 | 3.1 | 3.1 | 3.1 | 3.4 |
| 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-SA1-030-750-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 | 738.1 |
| 2.5° | 741.0 | 742.2 | 737.9 | 732.2 | 726.2 | 718.8 | 711.1 | 705.1 | 704.9 | 702.0 | 699.0 |
| 5° | 750.1 | 749.4 | 737.5 | 719.5 | 698.2 | 676.0 | 654.9 | 631.0 | 623.1 | 613.3 | 610.0 |
| 7.5° | 766.9 | 762.1 | 737.0 | 697.5 | 650.8 | 604.4 | 556.4 | 508.1 | 487.5 | 469.0 | 465.7 |
| 10° | 788.1 | 778.9 | 733.8 | 664.5 | 578.8 | 493.2 | 420.8 | 355.2 | 326.3 | 304.2 | 303.1 |
| 12.5° | 810.1 | 796.1 | 724.6 | 614.7 | 484.4 | 364.1 | 280.8 | 216.2 | 192.1 | 176.7 | 178.0 |
| 15° | 833.1 | 812.3 | 705.1 | 547.5 | 377.0 | 247.1 | 172.5 | 134.6 | 124.9 | 121.0 | 122.0 |
| 17.5° | 856.6 | 823.5 | 677.7 | 466.5 | 271.0 | 159.5 | 119.4 | 108.8 | 108.8 | 109.6 | 110.0 |
| 20° | 877.1 | 829.5 | 637.5 | 375.8 | 183.7 | 116.2 | 104.5 | 102.9 | 103.8 | 105.2 | 105.3 |
| 22.5° | 897.3 | 829.8 | 585.1 | 283.9 | 128.5 | 101.7 | 99.5 | 98.8 | 99.3 | 100.9 | 101.0 |
| 25° | 913.8 | 825.7 | 519.5 | 201.9 | 102.6 | 95.9 | 94.9 | 94.5 | 94.9 | 96.7 | 96.7 |
| 27.5° | 920.5 | 810.7 | 439.4 | 141.9 | 91.9 | 89.4 | 89.0 | 89.4 | 89.9 | 91.2 | 91.4 |
| 30° | 921.2 | 784.6 | 352.1 | 102.8 | 83.3 | 80.6 | 81.3 | 82.5 | 82.0 | 81.6 | 82.0 |
| 32.5° | 922.9 | 754.4 | 267.0 | 84.5 | 76.1 | 71.8 | 71.0 | 71.0 | 68.9 | 67.7 | 67.0 |
| 35° | 928.6 | 718.8 | 193.7 | 76.0 | 68.7 | 63.8 | 60.5 | 56.7 | 52.8 | 50.7 | 50.2 |
| 37.5° | 937.6 | 681.5 | 138.7 | 70.3 | 62.2 | 56.5 | 50.3 | 43.6 | 38.0 | 36.4 | 36.4 |
| 40° | 953.9 | 643.0 | 102.6 | 65.8 | 57.1 | 50.0 | 40.7 | 32.0 | 26.8 | 25.9 | 25.9 |
| 42.5° | 979.7 | 602.5 | 81.8 | 61.9 | 52.6 | 43.3 | 31.1 | 23.2 | 19.4 | 18.9 | 18.7 |
| 45° | 1006.5 | 557.8 | 71.5 | 58.1 | 47.8 | 35.6 | 23.0 | 17.2 | 15.0 | 14.4 | 14.4 |
| 47.5° | 1033.3 | 510.2 | 66.5 | 54.5 | 43.1 | 27.7 | 17.2 | 13.6 | 12.5 | 12.5 | 12.7 |
| 50° | 1056.0 | 460.5 | 62.9 | 50.5 | 37.1 | 21.0 | 13.6 | 11.5 | 11.2 | 11.9 | 12.0 |
| 52.5° | 1061.6 | 411.7 | 58.4 | 45.5 | 29.7 | 16.0 | 11.2 | 10.1 | 10.1 | 10.1 | 10.1 |
| 55° | 1058.2 | 373.9 | 52.6 | 39.4 | 22.0 | 12.7 | 9.6 | 8.9 | 8.8 | 8.8 | 8.8 |
| 57.5° | 1069.9 | 351.6 | 42.1 | 30.6 | 15.8 | 10.3 | 8.4 | 7.9 | 7.6 | 7.4 | 7.4 |
| 60° | 1093.4 | 337.0 | 30.1 | 22.0 | 11.9 | 8.6 | 7.2 | 6.7 | 6.2 | 5.8 | 5.8 |
| 62.5° | 1124.7 | 324.3 | 22.3 | 16.3 | 9.1 | 6.9 | 6.0 | 5.5 | 4.8 | 4.5 | 4.5 |
| 65° | 1148.7 | 301.6 | 17.0 | 12.2 | 6.9 | 5.5 | 4.6 | 4.5 | 3.4 | 3.1 | 2.9 |
| 67.5° | 1112.0 | 251.7 | 13.7 | 8.9 | 5.2 | 4.3 | 3.6 | 3.4 | 2.1 | 1.7 | 1.7 |
| 70° | 953.7 | 175.3 | 11.0 | 6.5 | 3.8 | 3.4 | 2.9 | 2.2 | 1.5 | 1.4 | 1.4 |
| 71° | 864.9 | 146.4 | 10.0 | 5.5 | 3.3 | 3.3 | 2.7 | 1.9 | 1.4 | 1.2 | 1.2 |
| 72.5° | 718.5 | 104.0 | 8.4 | 4.3 | 2.9 | 3.4 | 2.9 | 1.7 | 1.4 | 1.2 | 1.0 |
| 75° | 417.1 | 43.5 | 5.8 | 2.9 | 2.2 | 4.1 | 3.8 | 1.5 | 1.0 | 0.9 | 0.9 |
| 77.5° | 125.4 | 16.0 | 3.3 | 1.9 | 1.7 | 3.6 | 4.3 | 1.4 | 0.5 | 0.2 | 0.2 |
| 80° | 22.9 | 6.9 | 2.1 | 1.2 | 1.2 | 2.2 | 3.3 | 0.7 | 0.0 | 0.0 | 0.0 |
| 82.5° | 8.1 | 3.4 | 1.2 | 0.7 | 0.5 | 1.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 4.6 | 2.4 | 0.7 | 0.3 | 0.0 | 0.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.1 | 0.7 | 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)