

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: P1208062

Luminaire Tested: UPW-SA1-040-730-U-T4W-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-730-U-T4W-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4028 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

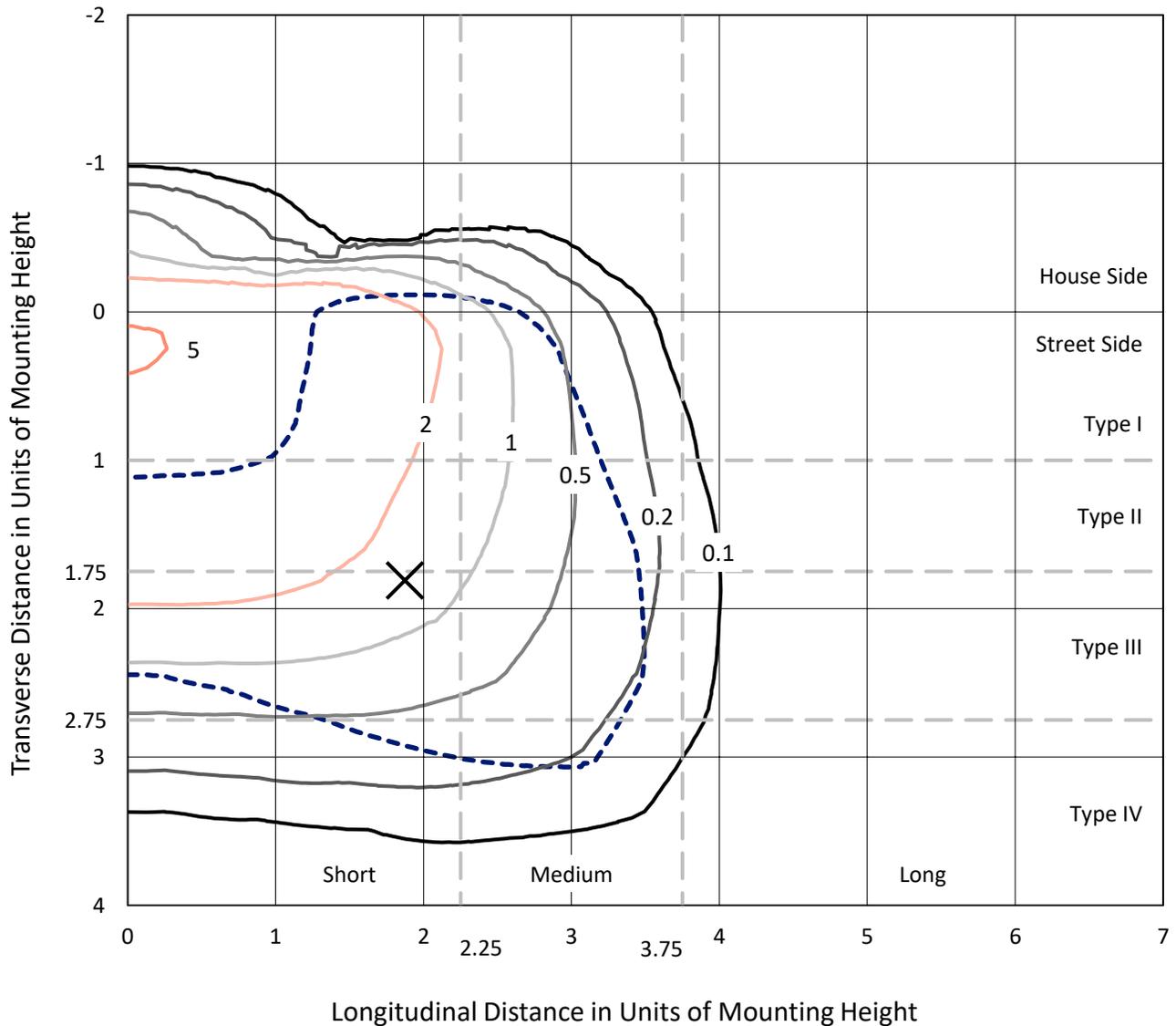
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

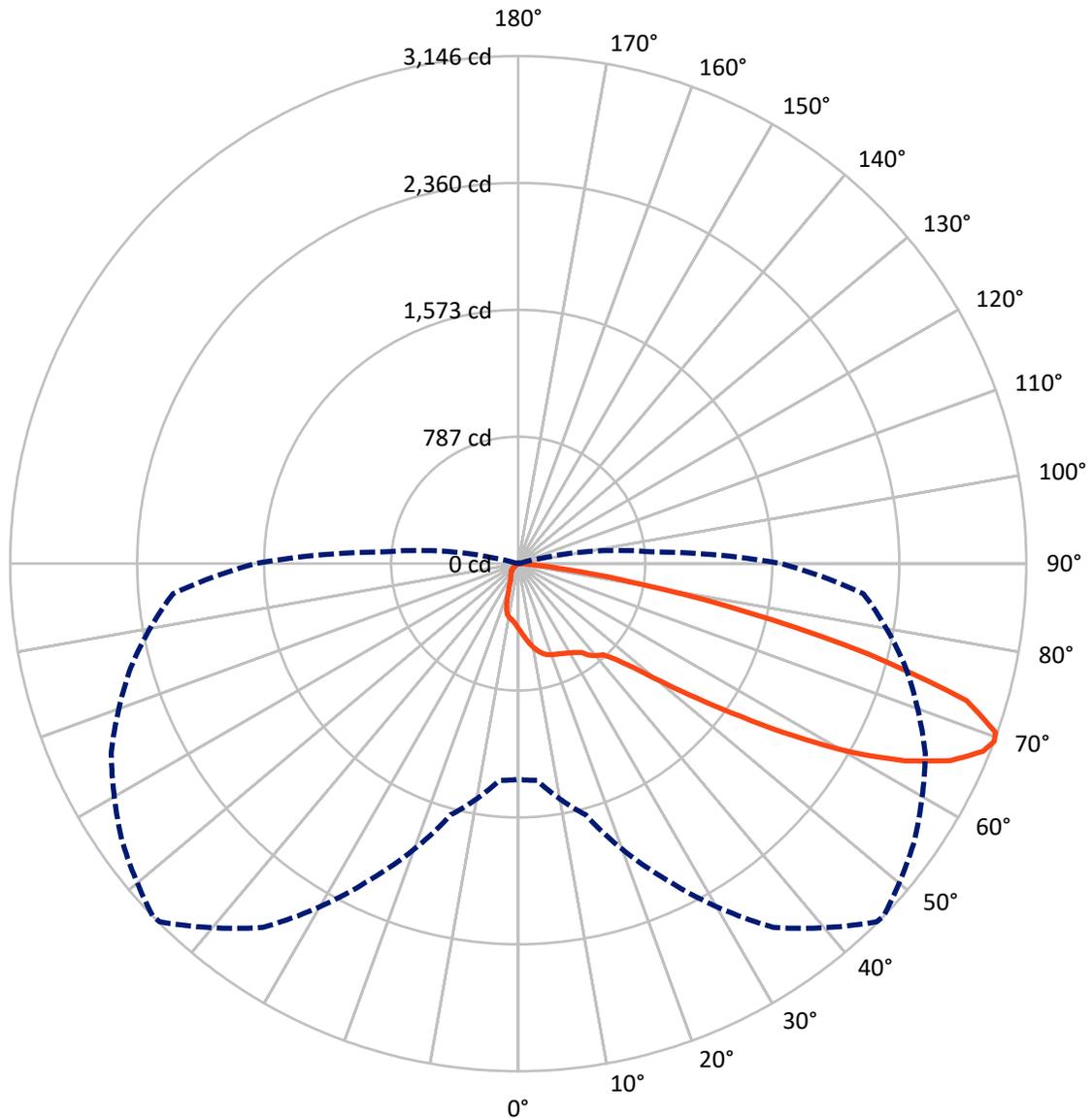
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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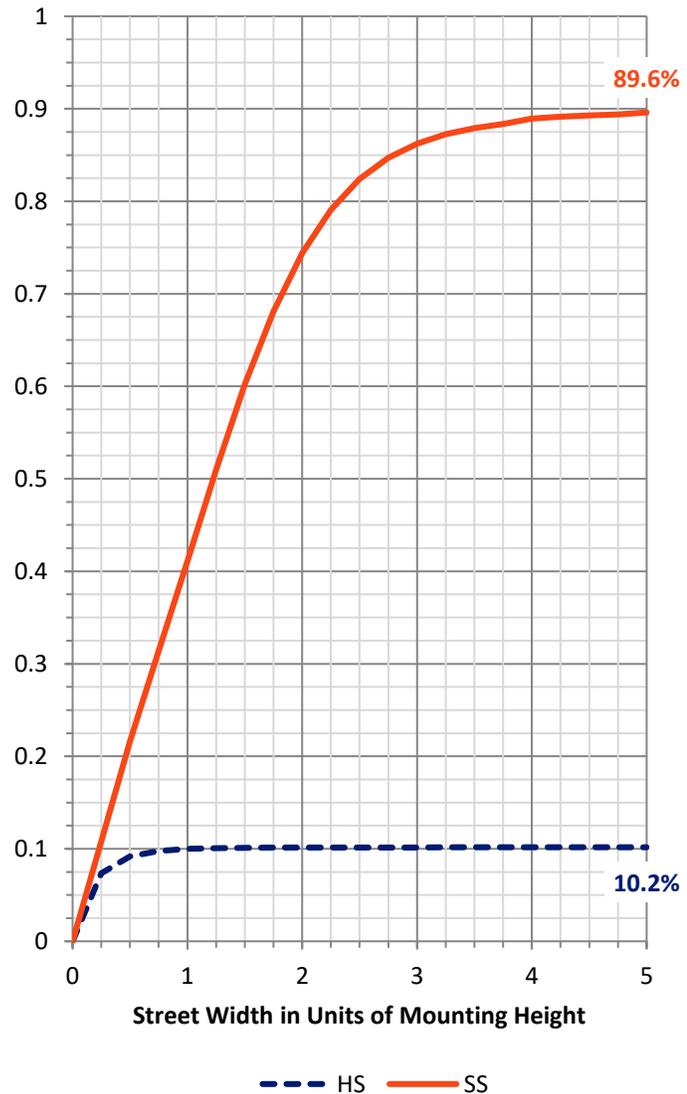
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 413.4 | 0.0 | 413.4 |
| | % Fixture | 10.3 | 0.0 | 10.3 |
| Street Side | Lumens | 3614.6 | 0.0 | 3614.6 |
| | % Fixture | 89.7 | 0.0 | 89.7 |
| Total | Lumens | 4028.0 | 0.0 | 4028.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 40.2 | 1.0 |
| 10°-20° | 121.9 | 3.0 |
| 20°-30° | 191.7 | 4.8 |
| 30°-40° | 274.8 | 6.8 |
| 40°-50° | 475.0 | 11.8 |
| 50°-60° | 938.5 | 23.3 |
| 60°-70° | 1311.6 | 32.6 |
| 70°-80° | 633.6 | 15.7 |
| 80°-90° | 40.7 | 1.0 |
| 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° | 4028.0 | 100.0 |
| 0°-180° | 4028.0 | 100.0 |



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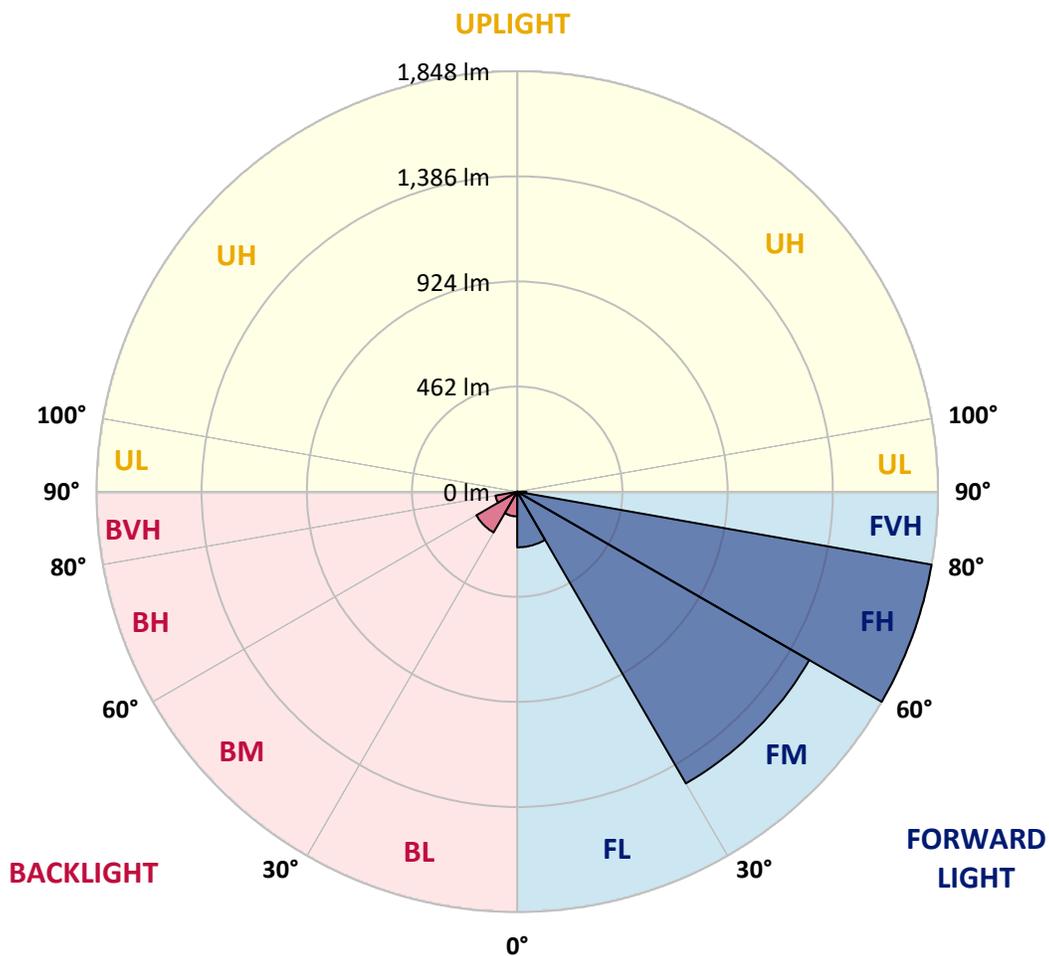
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 244.7 | 6.1 | | | |
| FM | (30°-60°) | 1481.2 | 36.8 | | | |
| FH | (60°-80°) | 1848.3 | 45.9 | | | G2/5000 |
| FVH | (80°-90°) | 40.4 | 1.0 | | | G1/100 |
| BL | (0°-30°) | 109.0 | 2.7 | B0/110 | | |
| BM | (30°-60°) | 207.1 | 5.1 | B0/220 | | |
| BH | (60°-80°) | 96.9 | 2.4 | 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: B0-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 46° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 |
| 2.5° | 448.4 | 447.8 | 445.1 | 444.0 | 437.6 | 433.8 | 432.3 | 427.6 | 420.8 | 414.0 | 406.4 |
| 5° | 499.3 | 499.2 | 494.2 | 489.5 | 477.4 | 466.1 | 464.0 | 453.1 | 437.8 | 423.4 | 409.1 |
| 7.5° | 551.5 | 549.0 | 544.1 | 535.0 | 517.5 | 499.3 | 497.6 | 482.2 | 460.4 | 439.7 | 419.1 |
| 10° | 595.7 | 594.1 | 587.7 | 573.9 | 553.4 | 532.8 | 530.7 | 511.6 | 487.1 | 461.6 | 435.3 |
| 12.5° | 630.0 | 628.9 | 620.4 | 603.2 | 581.3 | 560.0 | 557.1 | 540.1 | 513.9 | 485.4 | 454.4 |
| 15° | 651.0 | 650.4 | 640.0 | 621.7 | 600.2 | 581.7 | 579.2 | 564.3 | 539.9 | 510.1 | 475.2 |
| 17.5° | 655.9 | 656.1 | 645.3 | 626.8 | 609.1 | 595.8 | 594.0 | 582.6 | 562.2 | 532.6 | 495.9 |
| 20° | 645.0 | 647.2 | 637.6 | 621.5 | 610.6 | 603.6 | 602.1 | 595.3 | 578.1 | 550.1 | 512.6 |
| 22.5° | 629.5 | 630.6 | 624.0 | 613.2 | 608.7 | 610.0 | 609.3 | 605.5 | 590.9 | 565.3 | 529.0 |
| 25° | 620.0 | 620.0 | 616.1 | 607.0 | 610.0 | 618.1 | 618.3 | 617.6 | 606.0 | 583.8 | 549.0 |
| 27.5° | 619.6 | 618.5 | 614.0 | 607.2 | 615.5 | 628.0 | 628.7 | 633.8 | 626.6 | 606.2 | 573.9 |
| 30° | 634.8 | 633.4 | 623.8 | 614.9 | 625.5 | 638.9 | 640.8 | 651.9 | 648.4 | 630.6 | 601.7 |
| 32.5° | 670.1 | 665.3 | 644.0 | 629.5 | 637.4 | 653.5 | 655.9 | 673.7 | 679.3 | 660.6 | 628.5 |
| 35° | 718.4 | 703.5 | 672.7 | 657.0 | 657.8 | 674.6 | 676.9 | 702.9 | 719.7 | 688.2 | 649.3 |
| 37.5° | 785.1 | 777.7 | 727.7 | 685.7 | 689.1 | 714.6 | 721.3 | 749.6 | 744.9 | 703.3 | 672.9 |
| 40° | 931.3 | 919.7 | 866.5 | 766.2 | 719.2 | 747.1 | 749.2 | 764.3 | 764.7 | 737.5 | 722.0 |
| 42.5° | 1130.3 | 1125.6 | 1069.5 | 912.2 | 778.3 | 768.8 | 772.6 | 798.1 | 826.6 | 809.6 | 808.9 |
| 45° | 1350.7 | 1348.3 | 1288.8 | 1106.0 | 897.8 | 840.0 | 844.8 | 878.9 | 933.5 | 937.3 | 961.3 |
| 47.5° | 1528.1 | 1526.9 | 1492.7 | 1322.2 | 1080.8 | 960.7 | 962.2 | 998.5 | 1094.4 | 1141.8 | 1180.2 |
| 50° | 1689.7 | 1695.2 | 1668.2 | 1556.2 | 1330.1 | 1149.8 | 1146.2 | 1170.4 | 1324.5 | 1402.1 | 1449.7 |
| 52.5° | 1914.5 | 1922.2 | 1846.5 | 1774.5 | 1591.7 | 1384.3 | 1381.5 | 1406.8 | 1601.0 | 1659.1 | 1667.6 |
| 55° | 2112.9 | 2099.7 | 2039.9 | 2019.1 | 1910.7 | 1674.0 | 1673.3 | 1695.6 | 1868.4 | 1893.1 | 1908.8 |
| 57.5° | 2200.6 | 2195.5 | 2224.4 | 2272.0 | 2244.8 | 2016.4 | 2014.7 | 1997.7 | 2107.7 | 2110.3 | 2158.5 |
| 60° | 2255.9 | 2262.1 | 2350.7 | 2497.5 | 2565.3 | 2384.9 | 2374.0 | 2270.3 | 2336.2 | 2330.3 | 2381.9 |
| 62.5° | 2214.4 | 2226.6 | 2386.0 | 2630.6 | 2805.1 | 2706.5 | 2691.0 | 2519.9 | 2531.5 | 2511.3 | 2559.2 |
| 65° | 1993.8 | 2012.9 | 2274.0 | 2605.5 | 2924.1 | 2957.9 | 2942.2 | 2740.3 | 2686.5 | 2653.3 | 2626.6 |
| 67.5° | 1618.9 | 1630.2 | 1902.9 | 2387.0 | 2870.5 | 3107.9 | 3104.6 | 2933.5 | 2803.6 | 2629.3 | 2422.7 |
| 69° | 1337.9 | 1349.0 | 1611.5 | 2157.0 | 2752.4 | 3140.0 | 3146.2 | 2995.5 | 2781.3 | 2483.5 | 2146.6 |
| 70° | 1133.2 | 1145.0 | 1389.6 | 1959.8 | 2615.5 | 3125.0 | 3136.2 | 2989.6 | 2717.5 | 2314.6 | 1904.3 |
| 72.5° | 594.3 | 604.5 | 855.5 | 1350.1 | 2132.2 | 2869.5 | 2903.3 | 2736.9 | 2303.5 | 1681.0 | 1126.0 |
| 75° | 186.8 | 192.6 | 334.1 | 705.8 | 1459.9 | 2231.2 | 2238.9 | 2146.9 | 1635.7 | 924.7 | 468.9 |
| 77.5° | 71.2 | 69.5 | 111.2 | 260.1 | 738.1 | 1404.9 | 1452.3 | 1341.7 | 858.4 | 326.9 | 108.2 |
| 80° | 38.3 | 38.5 | 57.8 | 107.6 | 315.8 | 722.0 | 762.0 | 650.2 | 305.0 | 102.0 | 24.9 |
| 82.5° | 16.6 | 17.4 | 32.5 | 57.0 | 145.0 | 266.3 | 286.3 | 238.3 | 116.5 | 68.6 | 9.3 |
| 85° | 3.6 | 4.0 | 15.7 | 31.0 | 59.1 | 74.8 | 78.4 | 77.2 | 74.2 | 53.3 | 3.6 |
| 87.5° | 0.0 | 0.0 | 7.0 | 11.1 | 14.9 | 17.0 | 14.9 | 19.5 | 41.0 | 35.9 | 1.9 |
| 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 | 403.6 |
| 2.5° | 404.0 | 400.6 | 394.7 | 388.3 | 383.8 | 379.0 | 375.3 | 373.6 | 371.7 | 370.4 | 372.1 |
| 5° | 403.2 | 396.6 | 385.3 | 374.3 | 366.4 | 360.0 | 354.7 | 352.6 | 350.5 | 349.0 | 348.8 |
| 7.5° | 409.8 | 400.6 | 383.2 | 367.1 | 354.9 | 346.2 | 339.0 | 336.0 | 333.5 | 332.4 | 331.4 |
| 10° | 422.5 | 410.6 | 387.3 | 366.4 | 350.5 | 335.8 | 320.3 | 308.4 | 300.7 | 297.1 | 295.8 |
| 12.5° | 438.9 | 424.0 | 395.3 | 370.4 | 347.3 | 319.0 | 286.1 | 257.8 | 239.5 | 233.4 | 229.8 |
| 15° | 458.2 | 439.7 | 405.7 | 375.5 | 335.6 | 283.9 | 228.1 | 191.1 | 174.1 | 170.7 | 167.0 |
| 17.5° | 476.7 | 456.3 | 418.1 | 376.4 | 309.9 | 226.8 | 167.1 | 142.0 | 135.4 | 137.7 | 138.2 |
| 20° | 492.9 | 472.7 | 430.4 | 368.1 | 263.3 | 170.2 | 129.4 | 123.1 | 125.6 | 129.9 | 130.7 |
| 22.5° | 509.4 | 488.6 | 441.7 | 346.2 | 203.6 | 129.2 | 116.5 | 118.0 | 120.5 | 124.8 | 125.6 |
| 25° | 529.4 | 507.8 | 452.3 | 306.0 | 152.8 | 109.9 | 110.7 | 112.9 | 115.4 | 119.4 | 119.7 |
| 27.5° | 552.4 | 532.2 | 459.3 | 253.6 | 113.3 | 101.0 | 103.5 | 106.9 | 109.3 | 113.1 | 113.9 |
| 30° | 583.0 | 564.3 | 461.6 | 199.4 | 95.0 | 93.1 | 94.2 | 98.4 | 102.0 | 105.4 | 105.9 |
| 32.5° | 611.7 | 596.0 | 454.0 | 150.5 | 88.0 | 85.7 | 85.7 | 88.2 | 92.4 | 95.6 | 96.3 |
| 35° | 638.2 | 628.0 | 429.8 | 110.1 | 82.7 | 78.9 | 77.1 | 77.1 | 79.7 | 82.3 | 83.1 |
| 37.5° | 673.1 | 672.7 | 390.7 | 87.8 | 77.6 | 73.3 | 69.3 | 66.3 | 65.3 | 65.9 | 66.3 |
| 40° | 733.0 | 733.5 | 339.8 | 78.8 | 73.3 | 67.4 | 61.4 | 55.9 | 50.8 | 49.1 | 48.9 |
| 42.5° | 826.4 | 817.9 | 286.3 | 74.4 | 69.5 | 61.4 | 52.3 | 44.9 | 37.0 | 34.6 | 34.4 |
| 45° | 974.9 | 924.5 | 229.7 | 70.4 | 65.5 | 54.6 | 43.2 | 33.2 | 26.8 | 24.9 | 24.9 |
| 47.5° | 1191.1 | 1064.4 | 177.9 | 66.1 | 60.2 | 46.8 | 32.7 | 24.0 | 19.6 | 18.7 | 18.9 |
| 50° | 1414.7 | 1201.5 | 136.4 | 60.6 | 53.8 | 38.7 | 24.2 | 17.4 | 14.9 | 14.9 | 15.1 |
| 52.5° | 1613.0 | 1302.0 | 106.3 | 54.8 | 45.9 | 30.4 | 18.3 | 13.6 | 12.5 | 12.3 | 12.5 |
| 55° | 1798.7 | 1366.8 | 81.4 | 48.0 | 36.4 | 22.7 | 14.0 | 11.1 | 10.4 | 10.0 | 9.8 |
| 57.5° | 1977.7 | 1398.9 | 61.0 | 38.7 | 26.4 | 16.4 | 11.1 | 9.4 | 8.7 | 8.1 | 7.9 |
| 60° | 2096.9 | 1372.8 | 41.9 | 28.5 | 18.3 | 11.9 | 9.3 | 8.1 | 7.2 | 6.6 | 6.4 |
| 62.5° | 2164.1 | 1301.6 | 27.0 | 20.6 | 13.0 | 8.9 | 7.4 | 6.8 | 5.5 | 4.9 | 4.9 |
| 65° | 2136.9 | 1184.1 | 18.9 | 14.7 | 9.4 | 6.6 | 5.5 | 5.5 | 4.0 | 3.2 | 3.0 |
| 67.5° | 1893.7 | 1000.4 | 14.4 | 11.0 | 6.8 | 4.9 | 4.2 | 4.7 | 2.5 | 1.5 | 1.5 |
| 69° | 1629.3 | 829.1 | 12.3 | 9.1 | 5.7 | 4.0 | 3.6 | 4.3 | 1.7 | 1.1 | 0.9 |
| 70° | 1416.1 | 715.2 | 11.1 | 7.9 | 4.7 | 3.4 | 3.2 | 4.2 | 1.7 | 0.9 | 0.8 |
| 72.5° | 847.2 | 398.9 | 8.5 | 5.7 | 3.0 | 2.6 | 2.6 | 4.7 | 1.7 | 0.9 | 0.8 |
| 75° | 342.4 | 140.5 | 6.2 | 4.0 | 2.3 | 2.3 | 3.2 | 6.0 | 1.5 | 0.8 | 0.6 |
| 77.5° | 77.6 | 30.8 | 3.6 | 2.5 | 1.5 | 2.3 | 3.8 | 4.7 | 0.9 | 0.4 | 0.0 |
| 80° | 18.9 | 7.6 | 2.3 | 1.5 | 0.9 | 1.7 | 2.8 | 2.6 | 0.2 | 0.0 | 0.0 |
| 82.5° | 6.2 | 2.6 | 0.9 | 0.8 | 0.2 | 0.6 | 1.3 | 0.8 | 0.0 | 0.0 | 0.0 |
| 85° | 2.6 | 1.5 | 0.4 | 0.2 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.7 | 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)