

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: P1208367

Luminaire Tested: UPW-SA1-060-750-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-750-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1050mA 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: 5223 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

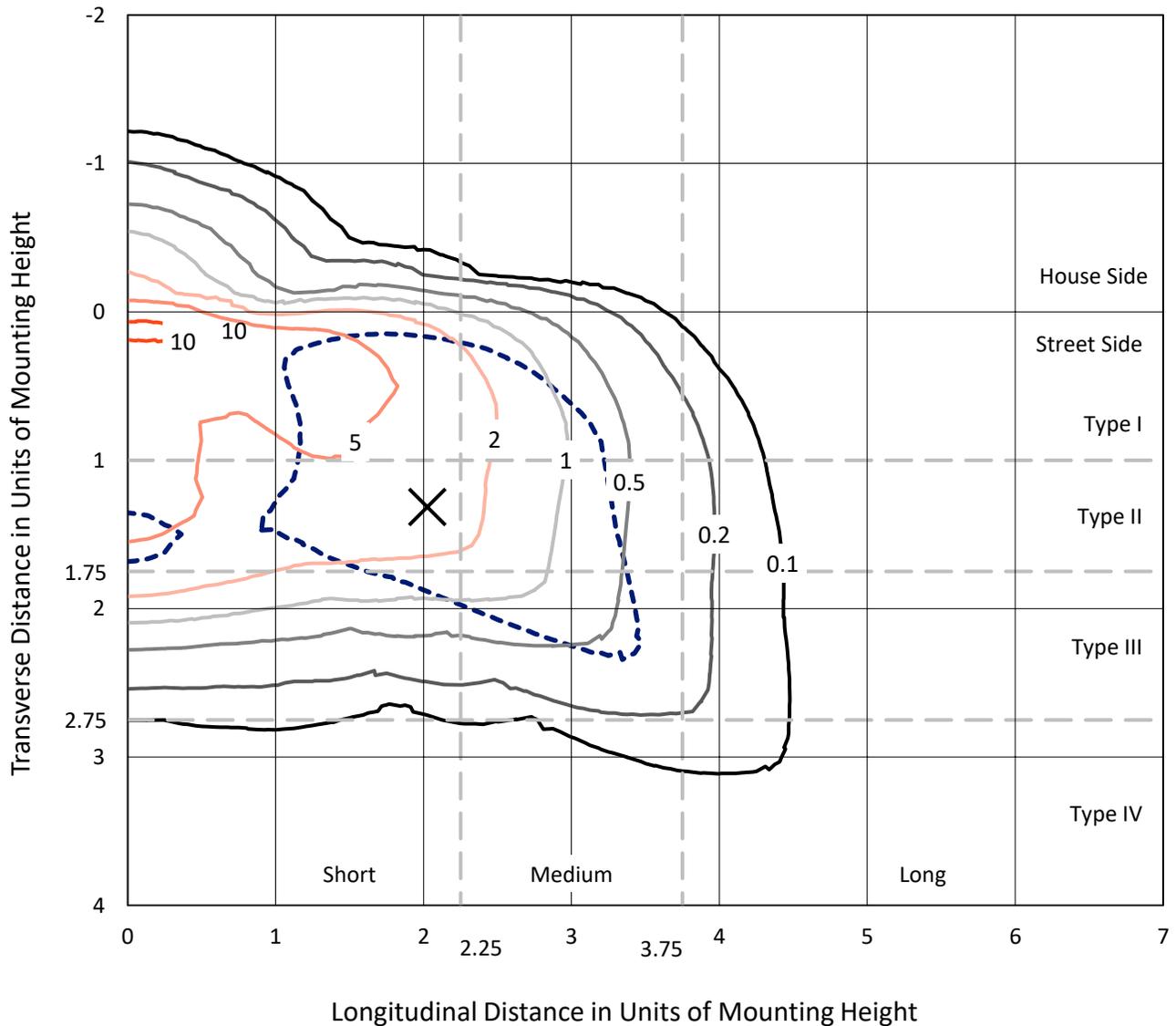
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

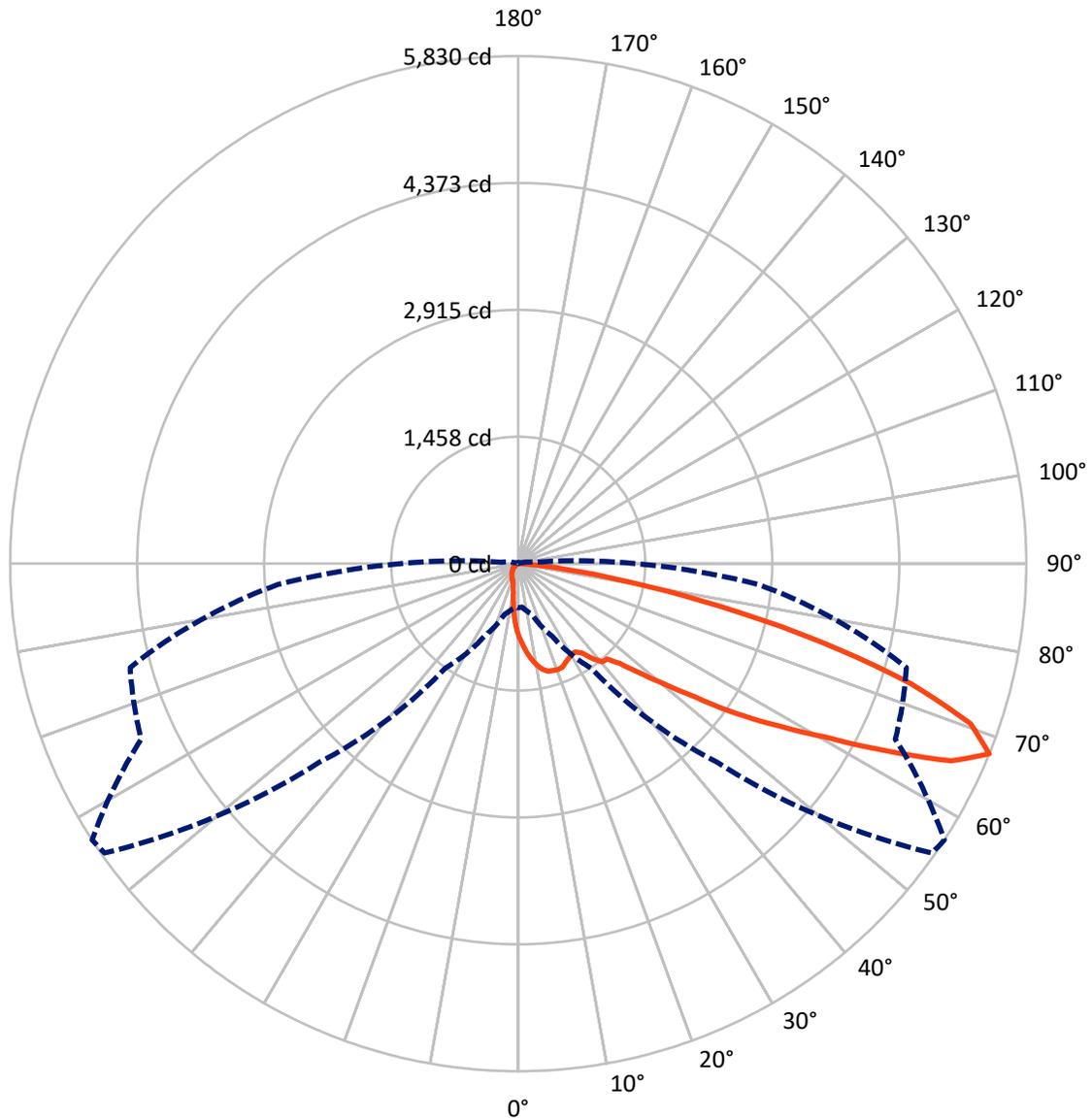
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 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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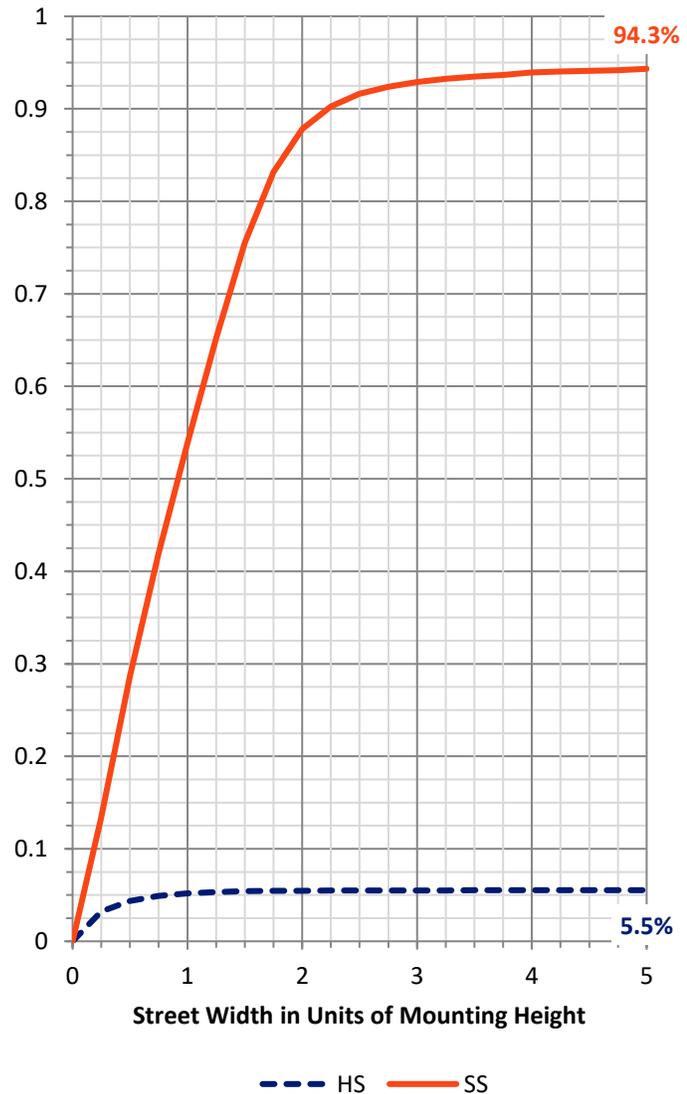
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 290.7 | 0.0 | 290.7 |
| | % Fixture | 5.6 | 0.0 | 5.6 |
| Street Side | Lumens | 4932.3 | 0.0 | 4932.3 |
| | % Fixture | 94.4 | 0.0 | 94.4 |
| Total | Lumens | 5223.0 | 0.0 | 5223.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.7 | 1.4 |
| 10°-20° | 194.3 | 3.7 |
| 20°-30° | 284.3 | 5.4 |
| 30°-40° | 427.6 | 8.2 |
| 40°-50° | 697.6 | 13.4 |
| 50°-60° | 1320.3 | 25.3 |
| 60°-70° | 1508.8 | 28.9 |
| 70°-80° | 658.6 | 12.6 |
| 80°-90° | 56.9 | 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° | 5223.0 | 100.0 |
| 0°-180° | 5223.0 | 100.0 |

Coefficient of Utilization



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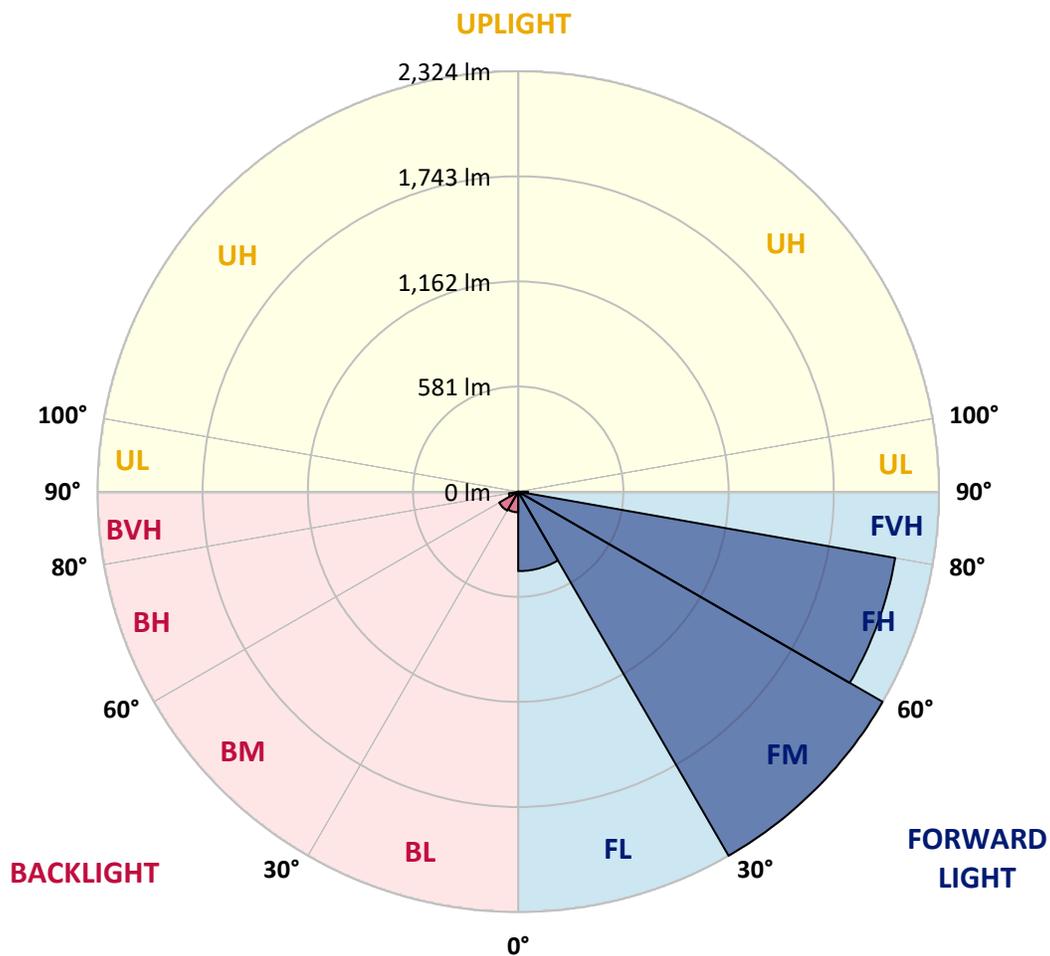
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 439.2 | 8.4 | | | |
| FM (30°-60°) | 2324.4 | 44.5 | | | |
| FH (60°-80°) | 2114.7 | 40.5 | | | G2/5000 |
| FVH (80°-90°) | 54.1 | 1.0 | | | G1/100 |
| BL (0°-30°) | 114.1 | 2.2 | B1/500 | | |
| BM (30°-60°) | 121.1 | 2.3 | B0/220 | | |
| BH (60°-80°) | 52.7 | 1.0 | B0/110 | | G0/110 |
| BVH (80°-90°) | 2.8 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 |
| 2.5° | 980.9 | 989.0 | 992.3 | 978.5 | 965.5 | 955.8 | 936.3 | 924.2 | 905.5 | 882.8 | 851.2 |
| 5° | 1125.2 | 1124.4 | 1116.3 | 1105.8 | 1100.1 | 1069.3 | 1036.9 | 1023.9 | 993.9 | 937.1 | 875.5 |
| 7.5° | 1179.5 | 1184.4 | 1190.1 | 1183.6 | 1173.9 | 1157.7 | 1119.5 | 1109.8 | 1066.0 | 992.3 | 905.5 |
| 10° | 1154.4 | 1162.5 | 1172.2 | 1189.3 | 1221.7 | 1227.4 | 1198.2 | 1187.6 | 1135.0 | 1053.9 | 930.7 |
| 12.5° | 1038.5 | 1050.6 | 1066.9 | 1122.0 | 1197.4 | 1244.4 | 1250.9 | 1247.6 | 1203.1 | 1109.0 | 948.5 |
| 15° | 884.5 | 871.5 | 913.6 | 989.8 | 1113.9 | 1221.7 | 1280.1 | 1282.5 | 1259.8 | 1160.9 | 968.0 |
| 17.5° | 768.5 | 780.7 | 799.3 | 856.9 | 985.8 | 1140.6 | 1276.0 | 1291.4 | 1302.0 | 1216.0 | 990.7 |
| 20° | 749.1 | 749.9 | 758.0 | 789.6 | 856.9 | 1043.3 | 1262.2 | 1298.7 | 1353.8 | 1270.3 | 1000.4 |
| 22.5° | 767.7 | 762.9 | 766.9 | 773.4 | 815.5 | 944.4 | 1233.0 | 1292.2 | 1384.6 | 1337.6 | 1020.6 |
| 25° | 792.0 | 797.7 | 790.4 | 782.3 | 806.6 | 899.9 | 1199.0 | 1259.8 | 1430.9 | 1397.6 | 1029.6 |
| 27.5° | 860.1 | 863.4 | 843.9 | 814.7 | 823.7 | 879.6 | 1146.3 | 1233.9 | 1500.6 | 1464.9 | 1044.2 |
| 30° | 971.2 | 968.0 | 927.4 | 879.6 | 859.3 | 892.6 | 1113.1 | 1205.5 | 1537.9 | 1516.8 | 1036.9 |
| 32.5° | 1053.9 | 1047.4 | 1007.7 | 958.2 | 922.6 | 942.0 | 1113.1 | 1208.7 | 1613.3 | 1607.6 | 1050.6 |
| 35° | 1128.5 | 1122.8 | 1073.3 | 1033.6 | 1002.8 | 1020.6 | 1175.5 | 1261.4 | 1721.1 | 1776.2 | 1099.3 |
| 37.5° | 1209.5 | 1194.1 | 1155.2 | 1086.3 | 1076.6 | 1145.5 | 1310.1 | 1381.4 | 1892.1 | 1932.7 | 1100.9 |
| 40° | 1337.6 | 1324.7 | 1262.2 | 1190.9 | 1138.2 | 1238.7 | 1415.4 | 1483.5 | 2012.9 | 2058.3 | 1094.4 |
| 42.5° | 1513.5 | 1482.7 | 1405.7 | 1302.0 | 1217.6 | 1289.0 | 1427.6 | 1498.1 | 2104.5 | 2253.7 | 1156.8 |
| 45° | 1704.9 | 1695.9 | 1588.9 | 1455.2 | 1366.0 | 1357.1 | 1556.5 | 1634.3 | 2308.0 | 2569.0 | 1292.2 |
| 47.5° | 1981.3 | 1911.6 | 1770.5 | 1627.8 | 1551.6 | 1491.7 | 1754.3 | 1872.7 | 2556.1 | 2937.9 | 1494.1 |
| 50° | 2272.3 | 2231.8 | 2017.0 | 1820.0 | 1726.7 | 1704.9 | 2067.2 | 2174.2 | 2873.9 | 3353.0 | 1830.5 |
| 52.5° | 2768.5 | 2675.2 | 2385.0 | 2137.0 | 1975.6 | 1954.6 | 2407.7 | 2544.7 | 3232.2 | 3848.3 | 2170.2 |
| 55° | 3102.5 | 3044.9 | 2753.1 | 2565.8 | 2354.2 | 2290.2 | 2890.1 | 3040.1 | 3670.8 | 4280.4 | 2509.9 |
| 57.5° | 3209.5 | 3139.0 | 2876.3 | 2830.9 | 2782.3 | 2818.7 | 3390.3 | 3515.1 | 3974.8 | 4617.6 | 2810.6 |
| 60° | 2780.6 | 2778.2 | 2628.2 | 2746.6 | 2987.4 | 3408.9 | 3981.3 | 4036.4 | 4221.2 | 4824.4 | 2997.9 |
| 62.5° | 1999.9 | 1993.5 | 2023.5 | 2316.9 | 2766.0 | 3808.6 | 4794.4 | 4732.8 | 4435.2 | 4939.5 | 3099.2 |
| 65° | 1036.9 | 1041.7 | 1192.5 | 1579.2 | 2225.3 | 3777.8 | 5538.6 | 5460.7 | 4567.4 | 4868.9 | 3027.9 |
| 67.5° | 505.9 | 501.8 | 599.9 | 918.5 | 1469.8 | 3225.7 | 5793.9 | 5830.4 | 4774.9 | 4610.3 | 2770.1 |
| 70° | 252.1 | 255.4 | 326.7 | 484.8 | 802.6 | 2316.9 | 5350.5 | 5505.3 | 4583.6 | 4059.9 | 2359.1 |
| 72.5° | 177.5 | 180.0 | 222.1 | 287.8 | 375.3 | 1406.5 | 4440.9 | 4707.6 | 3825.6 | 3229.8 | 1662.7 |
| 75° | 127.3 | 131.3 | 162.9 | 214.8 | 208.3 | 706.1 | 3432.4 | 3590.5 | 2773.3 | 1994.3 | 881.2 |
| 77.5° | 92.4 | 98.1 | 127.3 | 165.4 | 144.3 | 296.7 | 2376.9 | 2372.9 | 1564.6 | 947.7 | 356.7 |
| 80° | 60.8 | 64.9 | 94.0 | 122.4 | 103.0 | 137.8 | 1392.7 | 1311.7 | 692.3 | 363.2 | 129.7 |
| 82.5° | 34.0 | 35.7 | 63.2 | 85.1 | 71.3 | 64.9 | 622.6 | 574.0 | 234.3 | 133.0 | 60.8 |
| 85° | 2.4 | 4.1 | 37.3 | 53.5 | 38.1 | 32.4 | 174.3 | 158.1 | 75.4 | 60.8 | 32.4 |
| 87.5° | 0.0 | 0.0 | 4.9 | 9.7 | 6.5 | 4.9 | 42.2 | 36.5 | 22.7 | 35.7 | 16.2 |
| 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° | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 | 830.9 |
| 2.5° | 838.2 | 815.5 | 781.5 | 748.3 | 715.8 | 686.6 | 665.6 | 644.5 | 635.6 | 615.3 | 650.2 |
| 5° | 843.1 | 802.6 | 721.5 | 642.9 | 574.8 | 501.8 | 454.0 | 419.9 | 402.9 | 387.5 | 388.3 |
| 7.5° | 848.0 | 786.4 | 661.5 | 528.6 | 430.5 | 353.5 | 310.5 | 295.1 | 288.6 | 280.5 | 280.5 |
| 10° | 842.3 | 760.4 | 575.6 | 415.9 | 316.2 | 274.8 | 251.3 | 245.6 | 248.9 | 248.1 | 250.5 |
| 12.5° | 842.3 | 729.6 | 488.0 | 324.3 | 259.4 | 235.1 | 228.6 | 227.8 | 232.7 | 235.9 | 237.5 |
| 15° | 831.8 | 682.6 | 400.5 | 265.9 | 227.0 | 218.1 | 215.6 | 215.6 | 218.9 | 222.1 | 221.3 |
| 17.5° | 822.8 | 635.6 | 327.5 | 228.6 | 207.5 | 205.1 | 203.5 | 201.9 | 205.9 | 209.2 | 210.0 |
| 20° | 801.0 | 569.9 | 270.0 | 205.9 | 194.6 | 191.3 | 190.5 | 188.9 | 192.9 | 196.2 | 198.6 |
| 22.5° | 769.3 | 495.3 | 231.0 | 188.9 | 183.2 | 179.2 | 176.7 | 177.5 | 181.6 | 184.8 | 183.2 |
| 25° | 727.2 | 429.7 | 202.7 | 176.7 | 168.6 | 166.2 | 162.9 | 164.6 | 165.4 | 168.6 | 171.1 |
| 27.5° | 681.0 | 365.6 | 184.0 | 167.0 | 158.9 | 154.0 | 150.0 | 149.2 | 150.0 | 154.0 | 152.4 |
| 30° | 612.9 | 309.7 | 171.1 | 155.7 | 146.7 | 140.2 | 135.4 | 133.0 | 132.1 | 133.0 | 133.8 |
| 32.5° | 561.0 | 272.4 | 162.1 | 146.7 | 135.4 | 127.3 | 121.6 | 116.7 | 115.1 | 113.5 | 113.5 |
| 35° | 527.8 | 252.1 | 153.2 | 134.6 | 124.0 | 115.9 | 107.0 | 101.3 | 98.1 | 96.5 | 97.3 |
| 37.5° | 456.4 | 217.3 | 142.7 | 125.7 | 113.5 | 103.8 | 94.8 | 85.9 | 83.5 | 85.1 | 85.1 |
| 40° | 396.4 | 186.5 | 133.0 | 115.1 | 101.3 | 92.4 | 82.7 | 72.2 | 70.5 | 75.4 | 76.2 |
| 42.5° | 373.7 | 172.7 | 124.0 | 105.4 | 90.8 | 83.5 | 70.5 | 62.4 | 62.4 | 66.5 | 67.3 |
| 45° | 401.3 | 168.6 | 115.9 | 96.5 | 81.9 | 73.8 | 60.8 | 53.5 | 53.5 | 57.6 | 58.4 |
| 47.5° | 488.8 | 175.1 | 107.8 | 87.6 | 75.4 | 64.9 | 50.3 | 47.0 | 47.0 | 48.6 | 49.5 |
| 50° | 674.5 | 196.2 | 99.7 | 78.6 | 68.9 | 55.1 | 43.8 | 40.5 | 39.7 | 40.5 | 40.5 |
| 52.5° | 910.4 | 238.3 | 90.8 | 70.5 | 60.8 | 46.2 | 38.1 | 34.9 | 32.4 | 32.4 | 31.6 |
| 55° | 1148.7 | 283.7 | 81.9 | 62.4 | 52.7 | 39.7 | 32.4 | 29.2 | 25.1 | 23.5 | 22.7 |
| 57.5° | 1358.7 | 320.2 | 71.3 | 55.1 | 45.4 | 34.0 | 28.4 | 21.9 | 16.2 | 13.0 | 13.0 |
| 60° | 1489.2 | 329.9 | 61.6 | 47.8 | 37.3 | 29.2 | 22.7 | 14.6 | 8.1 | 6.5 | 5.7 |
| 62.5° | 1513.5 | 299.1 | 52.7 | 40.5 | 31.6 | 24.3 | 16.2 | 8.1 | 3.2 | 0.8 | 0.8 |
| 65° | 1447.9 | 235.9 | 45.4 | 34.0 | 25.9 | 19.5 | 10.5 | 4.1 | 0.0 | 0.0 | 0.0 |
| 67.5° | 1337.6 | 185.6 | 38.1 | 28.4 | 21.9 | 15.4 | 6.5 | 0.8 | 0.0 | 0.0 | 0.0 |
| 70° | 1166.6 | 148.4 | 33.2 | 24.3 | 18.6 | 13.0 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 859.3 | 98.1 | 29.2 | 21.9 | 16.2 | 9.7 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 470.2 | 62.4 | 26.8 | 20.3 | 15.4 | 8.1 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 190.5 | 43.8 | 23.5 | 19.5 | 15.4 | 8.1 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 72.2 | 30.8 | 20.3 | 17.0 | 14.6 | 8.1 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 38.1 | 25.1 | 19.5 | 17.0 | 13.8 | 7.3 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 18.6 | 8.1 | 9.7 | 9.7 | 11.3 | 6.5 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 4.1 | 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)