

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386003

Luminaire Tested: GAW-SA1C-760-U-T2

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-760-U-T2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7412 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

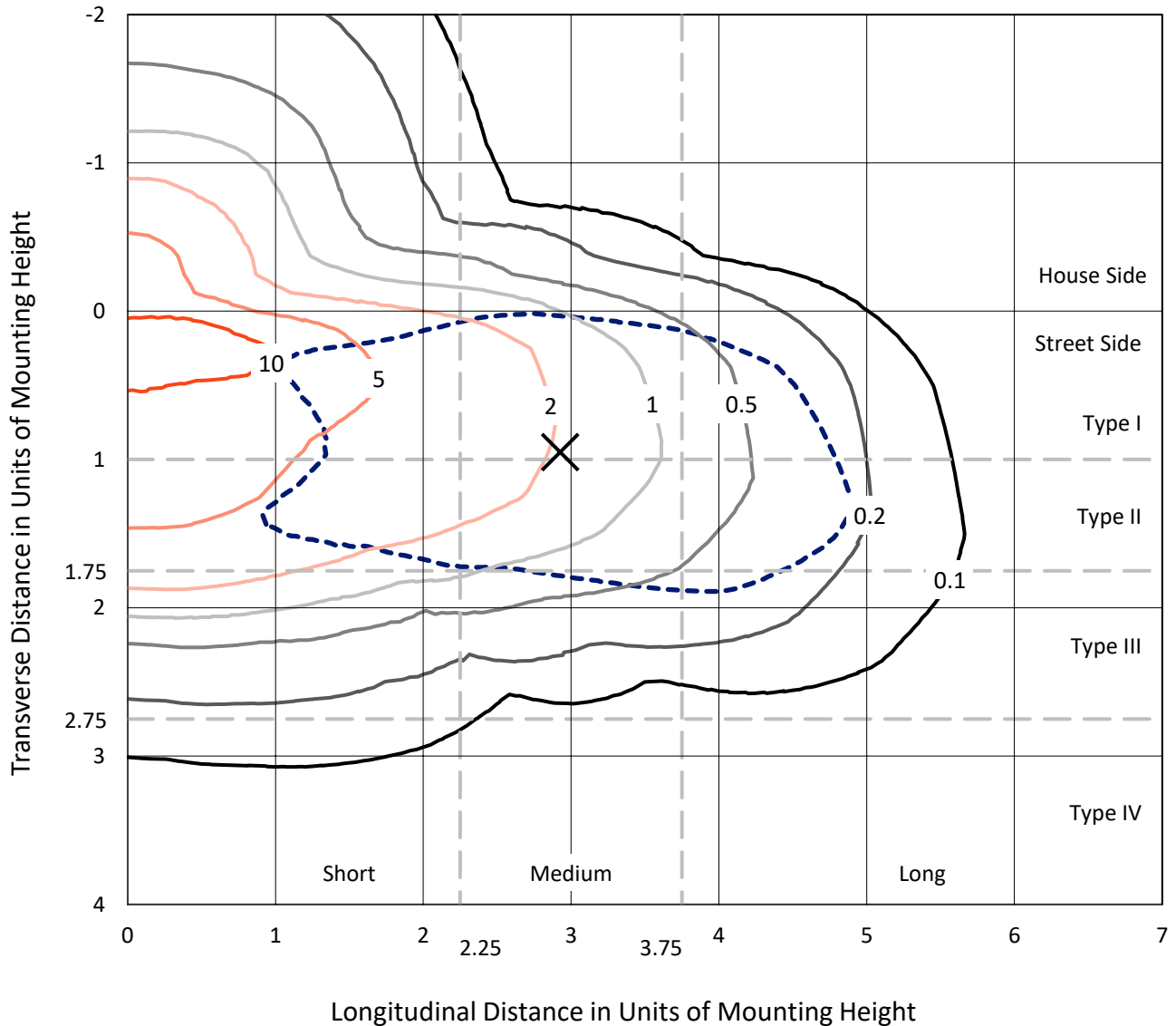
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

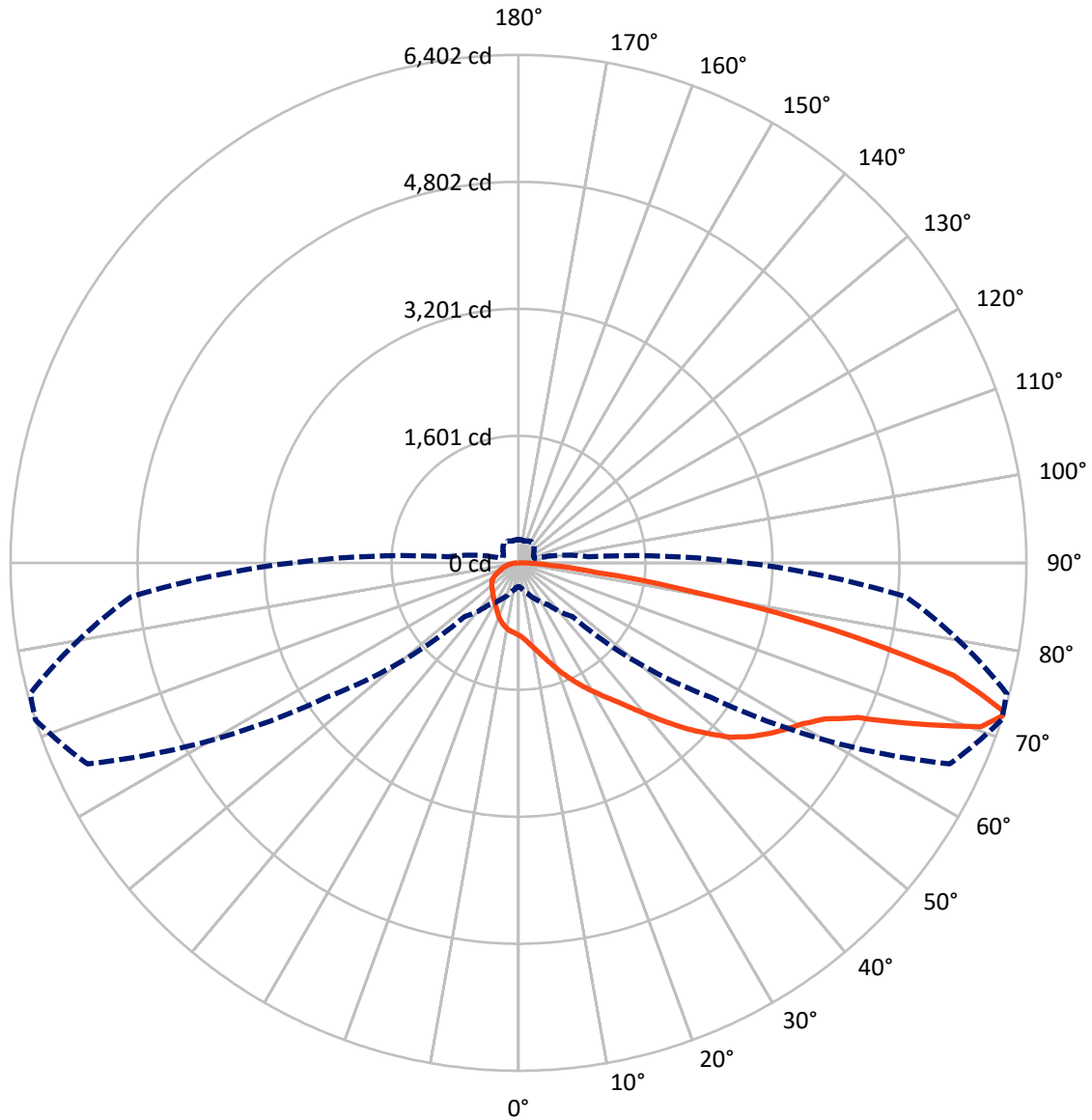
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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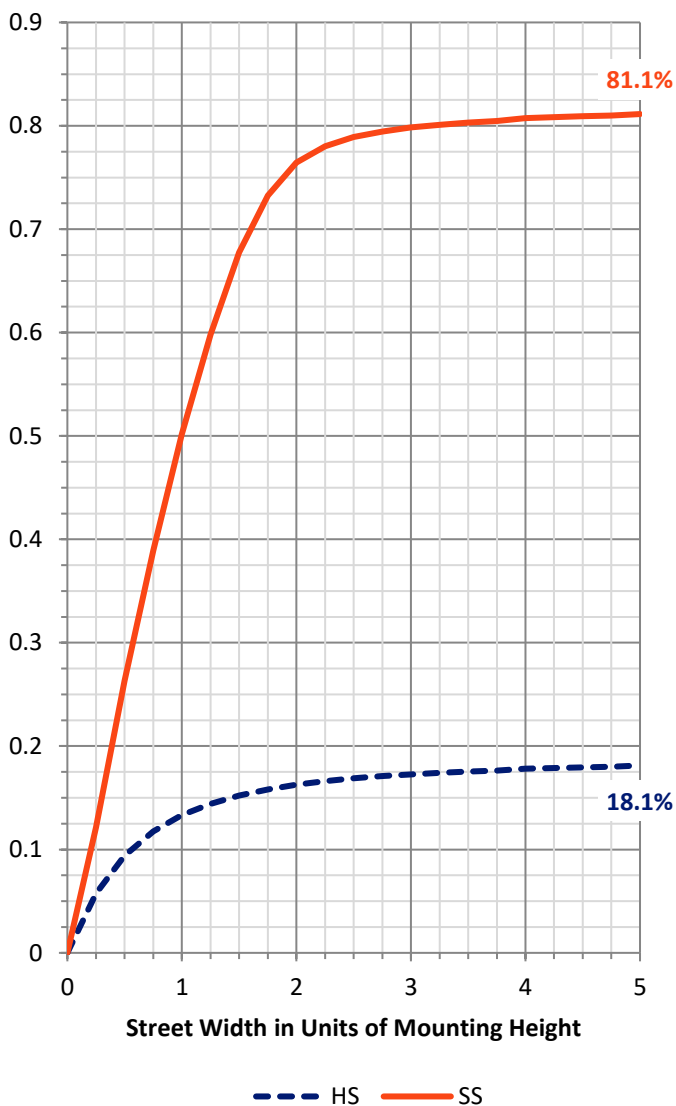
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1375.0 | 0.0 | 1375.0 |
| | % Fixture | 18.6 | 0.0 | 18.6 |
| Street Side | Lumens | 6037.0 | 0.0 | 6037.0 |
| | % Fixture | 81.4 | 0.0 | 81.4 |
| Total | Lumens | 7412.0 | 0.0 | 7412.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 91.4 | 1.2 |
| 10°-20° | 295.3 | 4.0 |
| 20°-30° | 517.4 | 7.0 |
| 30°-40° | 767.1 | 10.4 |
| 40°-50° | 1122.0 | 15.1 |
| 50°-60° | 1543.9 | 20.8 |
| 60°-70° | 1718.8 | 23.2 |
| 70°-80° | 1164.7 | 15.7 |
| 80°-90° | 191.4 | 2.6 |
| 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° | 7412.0 | 100.0 |
| 0°-180° | 7412.0 | 100.0 |

Coefficient of Utilization

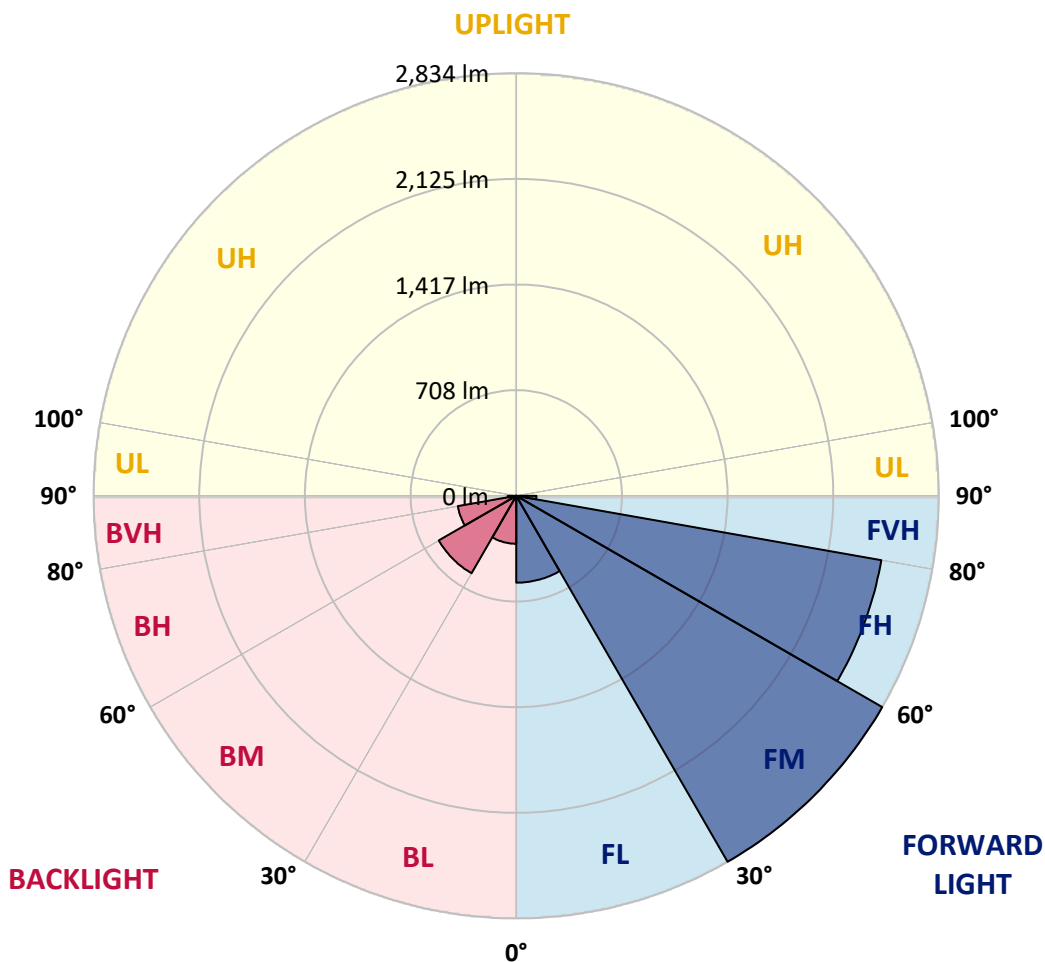


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 582.6 | 7.9 | | | |
| FM (30°-60°) | 2833.7 | 38.2 | | | |
| FH (60°-80°) | 2485.7 | 33.5 | | | G2/5000 |
| FVH (80°-90°) | 135.0 | 1.8 | | | G2/225 |
| BL (0°-30°) | 321.4 | 4.3 | B1/500 | | |
| BM (30°-60°) | 599.4 | 8.1 | B1/1000 | | |
| BH (60°-80°) | 397.8 | 5.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 56.4 | 0.8 | | | G1/100 |
| 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 Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 72° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 |
| 2.5° | 1007.3 | 1005.8 | 1000.4 | 1000.4 | 990.2 | 981.5 | 965.2 | 954.2 | 941.2 | 936.6 | 921.3 |
| 5° | 1104.8 | 1105.3 | 1098.7 | 1094.1 | 1079.0 | 1060.7 | 1032.8 | 1007.6 | 982.3 | 972.1 | 940.7 |
| 7.5° | 1186.7 | 1185.7 | 1183.9 | 1180.1 | 1166.1 | 1147.2 | 1109.7 | 1072.1 | 1034.9 | 1019.6 | 965.5 |
| 10° | 1239.3 | 1241.6 | 1243.1 | 1244.9 | 1239.1 | 1225.5 | 1190.0 | 1144.4 | 1095.6 | 1074.7 | 995.1 |
| 12.5° | 1265.8 | 1269.9 | 1277.1 | 1289.3 | 1299.0 | 1297.5 | 1271.7 | 1223.2 | 1165.3 | 1139.0 | 1032.1 |
| 15° | 1281.4 | 1286.8 | 1298.0 | 1320.0 | 1347.3 | 1362.8 | 1355.9 | 1312.0 | 1247.5 | 1215.1 | 1077.2 |
| 17.5° | 1291.1 | 1295.5 | 1312.8 | 1342.2 | 1382.7 | 1424.1 | 1442.2 | 1405.4 | 1340.4 | 1303.4 | 1129.1 |
| 20° | 1297.7 | 1301.1 | 1322.8 | 1357.2 | 1409.8 | 1475.6 | 1526.2 | 1517.0 | 1442.7 | 1394.7 | 1183.2 |
| 22.5° | 1312.6 | 1315.4 | 1336.0 | 1370.7 | 1428.9 | 1513.9 | 1607.1 | 1620.8 | 1550.7 | 1496.3 | 1241.1 |
| 25° | 1353.9 | 1353.9 | 1371.2 | 1395.5 | 1450.1 | 1547.1 | 1675.5 | 1736.5 | 1660.9 | 1597.6 | 1294.7 |
| 27.5° | 1432.8 | 1432.0 | 1438.4 | 1446.8 | 1488.1 | 1580.8 | 1736.5 | 1838.5 | 1775.2 | 1706.1 | 1346.7 |
| 30° | 1526.2 | 1531.3 | 1532.0 | 1527.9 | 1547.3 | 1622.9 | 1792.9 | 1946.2 | 1890.3 | 1815.8 | 1400.1 |
| 32.5° | 1646.4 | 1649.7 | 1645.9 | 1632.3 | 1629.5 | 1682.6 | 1848.2 | 2059.0 | 2014.9 | 1930.4 | 1448.8 |
| 35° | 1799.0 | 1792.6 | 1780.6 | 1753.0 | 1726.8 | 1762.5 | 1911.5 | 2171.8 | 2154.7 | 2069.0 | 1516.0 |
| 37.5° | 1962.6 | 1962.8 | 1948.0 | 1885.5 | 1849.3 | 1864.6 | 1998.8 | 2299.7 | 2324.0 | 2233.9 | 1602.0 |
| 40° | 2093.8 | 2100.6 | 2109.8 | 2027.7 | 1980.7 | 2001.9 | 2109.8 | 2448.0 | 2524.0 | 2429.4 | 1714.0 |
| 42.5° | 2185.4 | 2193.3 | 2219.3 | 2167.8 | 2119.0 | 2158.3 | 2240.5 | 2606.2 | 2748.6 | 2655.0 | 1845.2 |
| 45° | 2282.4 | 2286.7 | 2305.1 | 2282.9 | 2251.7 | 2340.3 | 2387.8 | 2770.1 | 2986.2 | 2895.4 | 1991.9 |
| 47.5° | 2384.4 | 2389.0 | 2407.9 | 2393.1 | 2376.8 | 2510.3 | 2541.4 | 2924.5 | 3213.9 | 3159.5 | 2148.6 |
| 50° | 2510.5 | 2513.6 | 2531.4 | 2504.6 | 2509.7 | 2638.4 | 2678.7 | 3066.1 | 3452.5 | 3396.9 | 2305.8 |
| 52.5° | 2682.5 | 2683.3 | 2708.0 | 2683.8 | 2659.8 | 2732.3 | 2796.9 | 3199.6 | 3639.6 | 3613.3 | 2463.0 |
| 55° | 2817.3 | 2825.4 | 2906.6 | 2901.5 | 2887.7 | 2817.5 | 2895.6 | 3326.7 | 3806.5 | 3819.0 | 2630.0 |
| 57.5° | 2731.3 | 2763.2 | 2927.5 | 3043.4 | 3156.2 | 3029.6 | 3029.1 | 3469.9 | 3961.6 | 4020.9 | 2813.4 |
| 60° | 2392.1 | 2435.5 | 2677.7 | 2934.7 | 3287.6 | 3398.6 | 3306.3 | 3644.7 | 4118.3 | 4220.9 | 3043.4 |
| 62.5° | 1708.4 | 1779.8 | 2108.0 | 2518.4 | 3107.5 | 3643.1 | 3870.3 | 3922.1 | 4331.4 | 4452.7 | 3342.2 |
| 65° | 863.6 | 917.7 | 1192.9 | 1687.2 | 2482.7 | 3483.4 | 4483.3 | 4529.5 | 4701.8 | 4809.5 | 3802.4 |
| 67.5° | 524.7 | 545.1 | 679.4 | 938.4 | 1522.1 | 2713.4 | 4683.4 | 5541.9 | 5418.4 | 5475.6 | 4458.5 |
| 70° | 386.6 | 401.7 | 485.4 | 623.2 | 875.4 | 1592.3 | 4069.3 | 6264.4 | 6183.3 | 6176.9 | 4943.4 |
| 72° | 301.1 | 312.1 | 386.1 | 503.5 | 640.1 | 955.3 | 2949.5 | 5997.7 | 6402.2 | 6370.1 | 4899.0 |
| 72.5° | 285.6 | 295.3 | 362.7 | 473.9 | 604.9 | 865.9 | 2651.9 | 5817.8 | 6386.4 | 6371.9 | 4841.6 |
| 75° | 224.8 | 231.7 | 268.5 | 366.5 | 473.4 | 491.3 | 1453.2 | 4508.6 | 5665.4 | 5901.0 | 4354.7 |
| 77.5° | 186.0 | 187.1 | 206.5 | 266.7 | 369.0 | 347.3 | 713.8 | 3128.1 | 4056.8 | 4315.9 | 3084.7 |
| 80° | 151.6 | 152.9 | 162.1 | 187.1 | 279.2 | 257.0 | 338.9 | 1798.7 | 2271.4 | 2274.2 | 1467.0 |
| 82.5° | 120.7 | 121.0 | 131.2 | 136.8 | 200.6 | 183.8 | 194.2 | 844.5 | 992.5 | 954.7 | 527.3 |
| 85° | 85.0 | 83.2 | 128.1 | 112.3 | 131.2 | 117.9 | 107.2 | 334.3 | 410.4 | 392.5 | 165.1 |
| 87.5° | 28.3 | 29.3 | 56.9 | 72.7 | 76.6 | 66.9 | 47.7 | 128.1 | 154.9 | 153.6 | 52.3 |
| 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° | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 | 911.9 |
| 2.5° | 916.5 | 908.3 | 896.3 | 883.0 | 872.6 | 861.8 | 853.9 | 849.9 | 845.3 | 841.4 | 846.0 |
| 5° | 926.2 | 910.8 | 885.3 | 860.3 | 841.9 | 825.6 | 813.9 | 807.7 | 802.1 | 798.3 | 798.8 |
| 7.5° | 942.0 | 917.2 | 874.4 | 837.9 | 812.3 | 794.7 | 782.7 | 778.6 | 775.1 | 774.1 | 775.3 |
| 10° | 958.8 | 922.3 | 859.8 | 811.3 | 782.2 | 767.7 | 762.3 | 765.1 | 767.7 | 770.0 | 772.5 |
| 12.5° | 978.0 | 926.9 | 838.6 | 780.2 | 755.4 | 749.8 | 755.2 | 767.4 | 776.4 | 781.7 | 785.0 |
| 15° | 1003.0 | 931.0 | 814.1 | 749.0 | 732.5 | 738.8 | 757.0 | 778.1 | 793.7 | 803.7 | 805.2 |
| 17.5° | 1025.9 | 930.8 | 782.7 | 717.7 | 713.8 | 732.5 | 759.8 | 789.6 | 810.6 | 824.6 | 827.4 |
| 20° | 1049.7 | 923.9 | 746.2 | 687.0 | 694.9 | 725.6 | 761.0 | 797.0 | 822.3 | 838.6 | 842.5 |
| 22.5° | 1071.9 | 911.9 | 706.2 | 659.2 | 679.1 | 716.4 | 756.2 | 792.7 | 818.0 | 831.2 | 835.3 |
| 25° | 1086.9 | 890.9 | 665.6 | 635.7 | 665.1 | 705.1 | 740.4 | 769.7 | 788.6 | 795.2 | 796.3 |
| 27.5° | 1094.6 | 863.6 | 627.3 | 615.3 | 650.5 | 686.8 | 711.0 | 725.6 | 730.9 | 730.4 | 729.4 |
| 30° | 1095.6 | 827.6 | 594.4 | 598.7 | 633.7 | 659.7 | 671.2 | 668.4 | 661.5 | 649.8 | 650.8 |
| 32.5° | 1092.3 | 787.1 | 566.8 | 582.9 | 612.3 | 626.8 | 627.3 | 613.8 | 595.4 | 576.8 | 571.7 |
| 35° | 1093.3 | 747.3 | 542.6 | 565.0 | 586.2 | 592.6 | 586.7 | 566.8 | 541.8 | 517.8 | 512.7 |
| 37.5° | 1104.6 | 712.5 | 521.7 | 544.4 | 557.4 | 558.9 | 550.5 | 529.6 | 511.2 | 487.7 | 485.7 |
| 40° | 1131.4 | 687.8 | 501.7 | 521.1 | 528.5 | 529.3 | 517.3 | 502.5 | 504.0 | 491.5 | 491.3 |
| 42.5° | 1179.6 | 677.1 | 484.1 | 496.9 | 501.5 | 503.0 | 493.8 | 484.4 | 497.7 | 489.5 | 486.7 |
| 45° | 1241.9 | 679.6 | 469.3 | 473.2 | 481.6 | 488.7 | 483.1 | 471.6 | 476.7 | 441.3 | 429.5 |
| 47.5° | 1313.8 | 696.0 | 457.6 | 452.7 | 467.3 | 480.8 | 472.1 | 454.8 | 436.7 | 401.4 | 394.8 |
| 50° | 1398.0 | 721.2 | 446.9 | 432.6 | 451.7 | 470.1 | 461.4 | 436.7 | 409.4 | 392.3 | 390.0 |
| 52.5° | 1485.8 | 752.1 | 436.2 | 410.4 | 432.1 | 461.9 | 457.6 | 432.6 | 398.9 | 382.1 | 379.0 |
| 55° | 1585.4 | 783.2 | 422.6 | 384.6 | 410.9 | 458.1 | 455.8 | 417.8 | 391.0 | 381.5 | 379.2 |
| 57.5° | 1709.1 | 818.7 | 404.8 | 357.8 | 391.0 | 444.3 | 437.2 | 408.8 | 382.8 | 375.7 | 374.9 |
| 60° | 1870.4 | 871.0 | 379.0 | 329.2 | 366.7 | 423.1 | 421.6 | 395.8 | 369.8 | 364.7 | 363.7 |
| 62.5° | 2112.4 | 957.6 | 343.5 | 300.6 | 339.7 | 387.2 | 401.2 | 378.2 | 356.0 | 355.8 | 356.3 |
| 65° | 2487.5 | 1087.7 | 305.0 | 275.6 | 312.4 | 356.8 | 377.5 | 360.1 | 342.0 | 347.1 | 347.9 |
| 67.5° | 2922.4 | 1195.7 | 267.2 | 251.1 | 284.6 | 327.9 | 356.0 | 342.0 | 323.4 | 336.6 | 336.9 |
| 70° | 3067.1 | 1099.2 | 234.0 | 226.9 | 255.7 | 300.1 | 332.8 | 322.1 | 303.2 | 316.5 | 315.2 |
| 72° | 2854.3 | 887.4 | 212.6 | 208.5 | 234.0 | 277.2 | 312.1 | 303.4 | 284.8 | 293.7 | 290.4 |
| 72.5° | 2787.2 | 846.0 | 207.2 | 203.9 | 228.2 | 271.3 | 306.8 | 298.9 | 280.2 | 287.9 | 284.8 |
| 75° | 2486.3 | 734.8 | 178.1 | 178.9 | 199.1 | 242.7 | 276.6 | 274.1 | 255.0 | 255.7 | 254.7 |
| 77.5° | 1803.3 | 538.8 | 150.1 | 155.2 | 169.5 | 213.4 | 246.3 | 244.7 | 223.8 | 220.0 | 219.2 |
| 80° | 836.8 | 274.9 | 122.2 | 124.5 | 139.3 | 178.4 | 210.0 | 208.0 | 191.2 | 186.3 | 183.5 |
| 82.5° | 286.6 | 130.7 | 91.9 | 93.4 | 108.0 | 143.7 | 182.2 | 180.9 | 166.9 | 157.5 | 151.6 |
| 85° | 102.3 | 65.1 | 64.3 | 62.8 | 77.1 | 113.1 | 158.7 | 151.9 | 131.2 | 111.8 | 111.3 |
| 87.5° | 33.2 | 27.8 | 33.2 | 32.9 | 44.9 | 76.6 | 115.4 | 98.3 | 95.2 | 79.1 | 77.6 |
| 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)