

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: P386007

Luminaire Tested: GAW-SA1C-760-U-T3

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-760-U-T3
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7556 lumens
Efficiency: N/A
Efficacy: 128.1 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

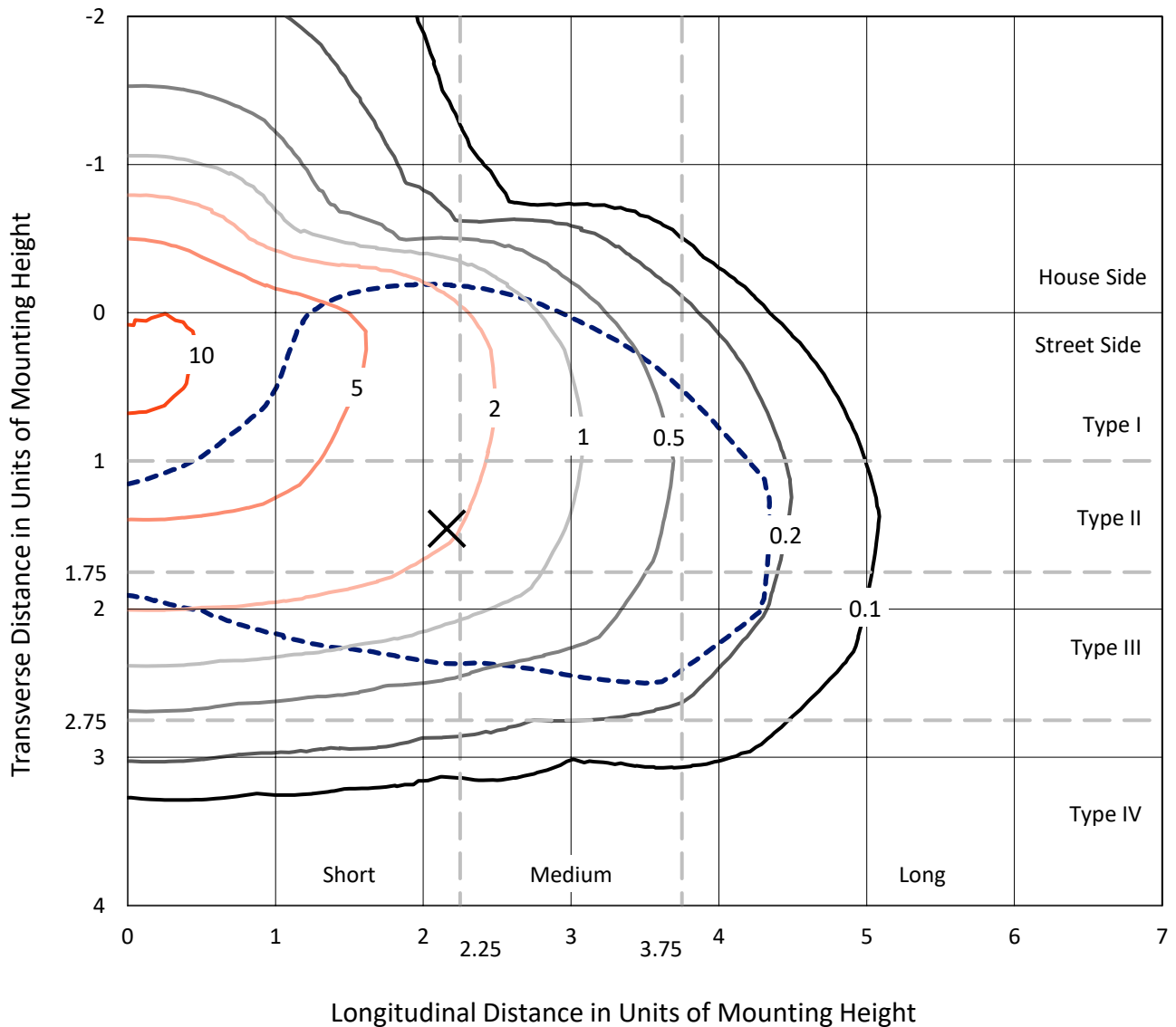
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

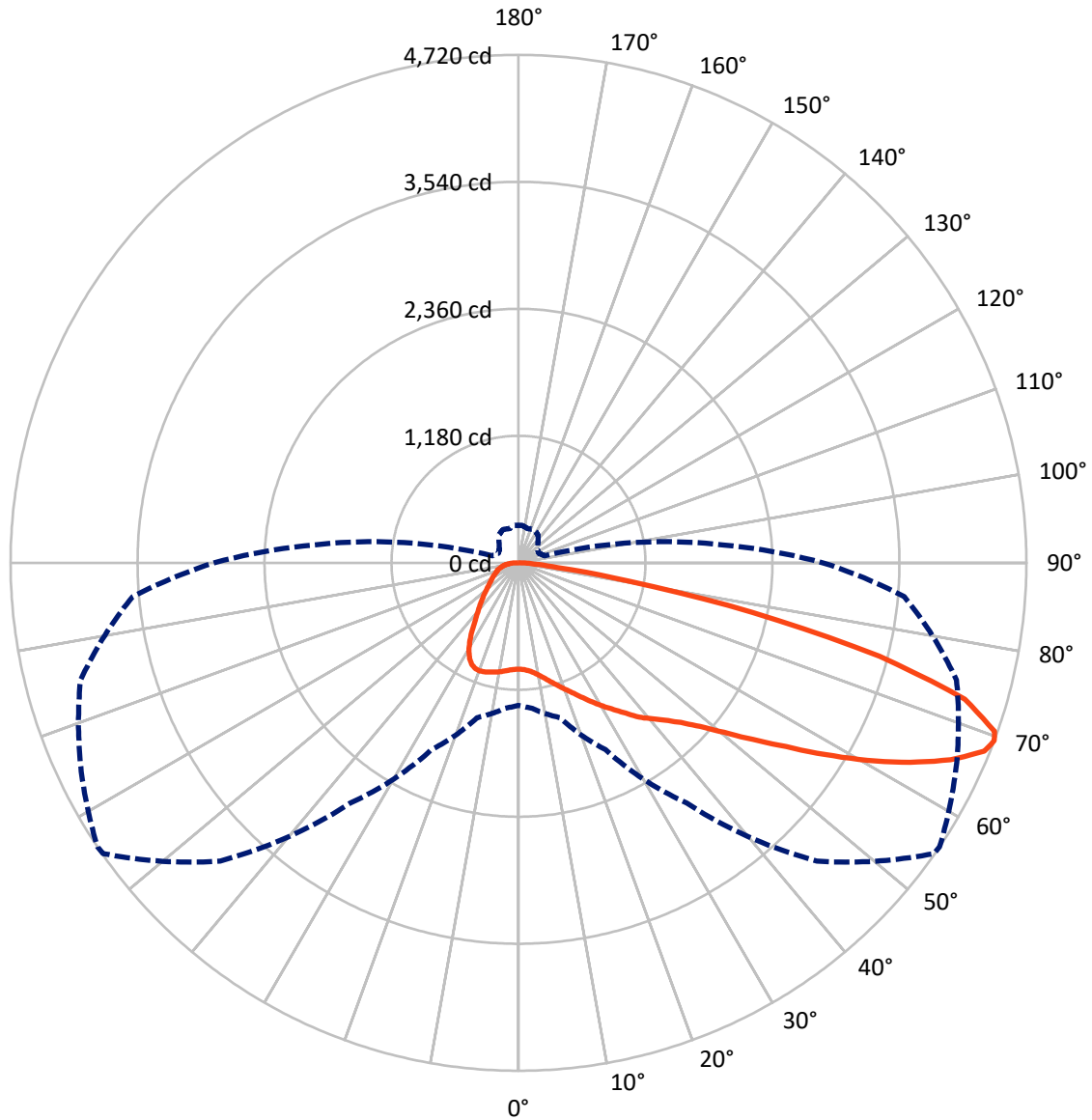
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1682.7 | 0.0 | 1682.7 |
| | % Fixture | 22.3 | 0.0 | 22.3 |
| Street Side | Lumens | 5873.3 | 0.0 | 5873.3 |
| | % Fixture | 77.7 | 0.0 | 77.7 |
| Total | Lumens | 7556.0 | 0.0 | 7556.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 97.0 | 1.3 |
| 10°-20° | 312.0 | 4.1 |
| 20°-30° | 544.6 | 7.2 |
| 30°-40° | 782.3 | 10.4 |
| 40°-50° | 1082.7 | 14.3 |
| 50°-60° | 1586.2 | 21.0 |
| 60°-70° | 1933.9 | 25.6 |
| 70°-80° | 1069.2 | 14.2 |
| 80°-90° | 148.1 | 2.0 |
| 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° | 7556.0 | 100.0 |
| 0°-180° | 7556.0 | 100.0 |

Coefficient of Utilization



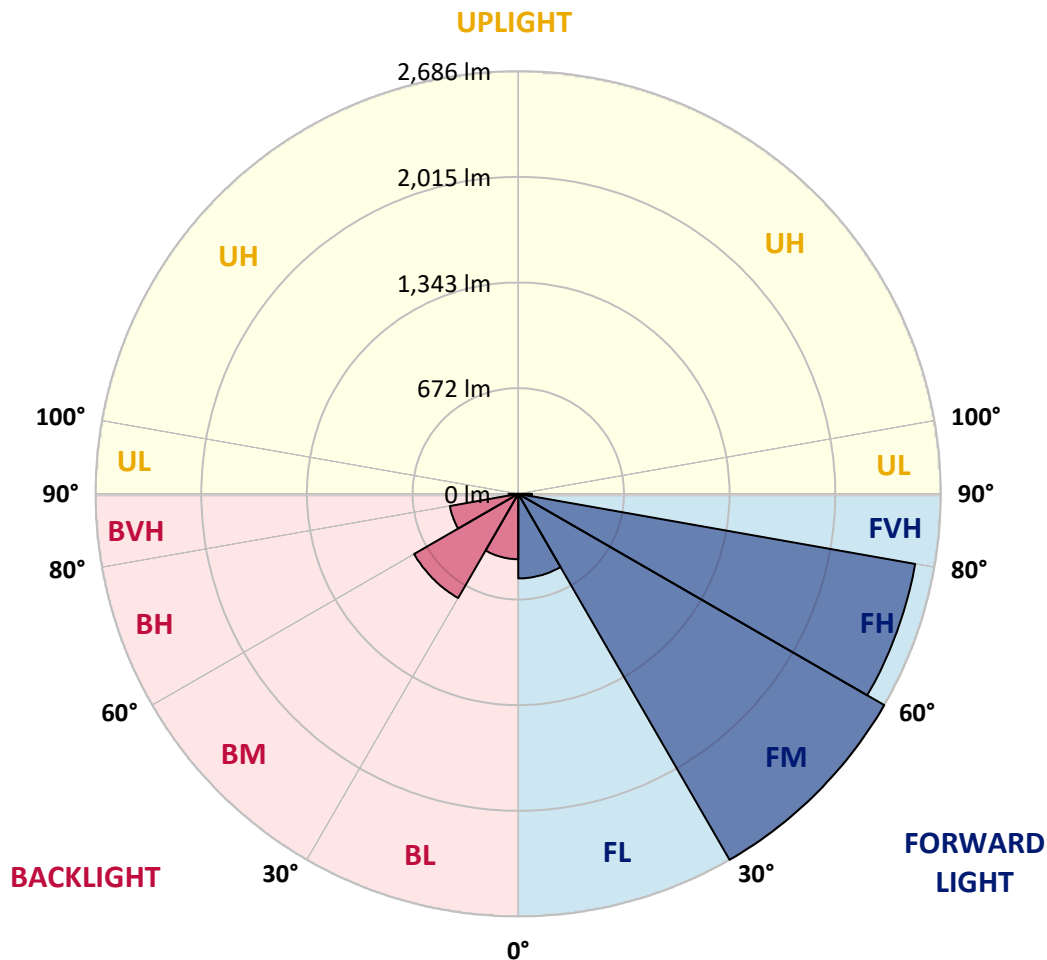
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 537.8 | 7.1 | | | |
| FM (30°-60°) | 2686.4 | 35.6 | | | |
| FH (60°-80°) | 2561.9 | 33.9 | | | G2/5000 |
| FVH (80°-90°) | 87.2 | 1.2 | | | G1/100 |
| BL (0°-30°) | 415.8 | 5.5 | B1/500 | | |
| BM (30°-60°) | 764.8 | 10.1 | B1/1000 | | |
| BH (60°-80°) | 441.3 | 5.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 60.9 | 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 Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 |
| 2.5° | 994.1 | 995.1 | 994.3 | 996.4 | 994.1 | 995.6 | 994.3 | 994.3 | 993.6 | 991.2 | 988.6 |
| 5° | 1009.7 | 1011.8 | 1010.5 | 1012.6 | 1009.7 | 1010.2 | 1007.9 | 1007.9 | 1005.5 | 1000.6 | 995.4 |
| 7.5° | 1034.2 | 1036.5 | 1035.5 | 1037.6 | 1033.6 | 1033.6 | 1030.5 | 1030.3 | 1025.6 | 1017.5 | 1011.5 |
| 10° | 1063.3 | 1066.4 | 1065.4 | 1068.5 | 1065.4 | 1066.4 | 1063.3 | 1063.3 | 1057.1 | 1045.6 | 1038.1 |
| 12.5° | 1105.7 | 1109.7 | 1106.8 | 1106.5 | 1105.2 | 1107.3 | 1104.7 | 1104.2 | 1098.5 | 1082.8 | 1072.4 |
| 15° | 1162.5 | 1166.7 | 1160.7 | 1160.2 | 1152.9 | 1152.1 | 1152.1 | 1151.3 | 1147.7 | 1128.9 | 1111.7 |
| 17.5° | 1227.8 | 1229.1 | 1223.9 | 1215.6 | 1206.2 | 1200.2 | 1199.5 | 1201.5 | 1201.5 | 1179.7 | 1152.3 |
| 20° | 1291.9 | 1294.2 | 1290.0 | 1280.7 | 1268.7 | 1259.8 | 1253.6 | 1257.8 | 1257.5 | 1231.5 | 1192.7 |
| 22.5° | 1361.6 | 1367.1 | 1360.8 | 1348.9 | 1334.8 | 1324.9 | 1314.0 | 1317.6 | 1317.9 | 1285.9 | 1232.3 |
| 25° | 1451.9 | 1447.0 | 1443.1 | 1426.2 | 1406.1 | 1396.0 | 1385.8 | 1389.5 | 1388.4 | 1344.4 | 1273.1 |
| 27.5° | 1531.9 | 1532.9 | 1527.7 | 1509.7 | 1486.6 | 1464.2 | 1463.7 | 1466.0 | 1462.1 | 1405.4 | 1311.6 |
| 30° | 1624.8 | 1625.3 | 1618.0 | 1601.9 | 1576.6 | 1547.7 | 1541.0 | 1544.9 | 1536.5 | 1463.1 | 1352.3 |
| 32.5° | 1717.2 | 1719.8 | 1711.7 | 1692.2 | 1671.9 | 1636.8 | 1623.2 | 1625.8 | 1605.0 | 1522.2 | 1394.2 |
| 35° | 1798.1 | 1801.8 | 1799.2 | 1786.2 | 1764.0 | 1733.8 | 1717.7 | 1716.1 | 1690.4 | 1594.6 | 1449.6 |
| 37.5° | 1880.7 | 1884.0 | 1881.2 | 1870.2 | 1861.4 | 1829.4 | 1820.8 | 1820.8 | 1776.0 | 1668.5 | 1520.1 |
| 40° | 1965.5 | 1970.7 | 1967.3 | 1952.2 | 1944.7 | 1930.1 | 1909.6 | 1904.6 | 1856.2 | 1757.3 | 1635.2 |
| 42.5° | 2044.4 | 2051.2 | 2064.7 | 2055.8 | 2040.5 | 2042.6 | 2001.2 | 1998.6 | 1963.2 | 1888.5 | 1779.7 |
| 45° | 2156.3 | 2166.2 | 2189.1 | 2182.3 | 2179.2 | 2167.8 | 2118.6 | 2116.2 | 2102.7 | 2064.9 | 1959.0 |
| 47.5° | 2278.4 | 2291.9 | 2333.3 | 2334.6 | 2368.2 | 2346.6 | 2279.7 | 2271.6 | 2274.7 | 2276.3 | 2177.9 |
| 50° | 2390.8 | 2405.7 | 2473.6 | 2505.6 | 2584.8 | 2589.5 | 2482.5 | 2475.2 | 2487.4 | 2523.3 | 2433.0 |
| 52.5° | 2480.6 | 2499.4 | 2584.2 | 2683.2 | 2818.8 | 2857.3 | 2732.1 | 2726.6 | 2735.7 | 2797.7 | 2721.4 |
| 55° | 2546.5 | 2566.8 | 2659.2 | 2839.3 | 3055.9 | 3123.8 | 3019.5 | 3014.3 | 3020.0 | 3098.9 | 3035.1 |
| 57.5° | 2561.9 | 2566.8 | 2700.9 | 2944.5 | 3256.1 | 3419.3 | 3371.1 | 3360.7 | 3332.6 | 3401.3 | 3381.3 |
| 60° | 2489.8 | 2509.5 | 2666.5 | 2981.5 | 3411.0 | 3710.6 | 3738.7 | 3725.7 | 3646.8 | 3703.0 | 3686.9 |
| 62.5° | 2343.5 | 2378.9 | 2538.2 | 2925.2 | 3471.6 | 3948.5 | 4099.2 | 4083.6 | 3947.7 | 3984.1 | 3906.6 |
| 65° | 2104.5 | 2119.6 | 2287.0 | 2731.3 | 3394.6 | 4100.7 | 4420.7 | 4412.8 | 4241.8 | 4184.8 | 3947.2 |
| 67.5° | 1677.1 | 1705.5 | 1847.6 | 2326.0 | 3079.3 | 4082.8 | 4669.2 | 4668.5 | 4433.9 | 4259.3 | 3803.2 |
| 69° | 1324.9 | 1354.3 | 1489.7 | 1916.1 | 2724.8 | 3918.5 | 4710.9 | 4720.0 | 4488.1 | 4214.0 | 3597.6 |
| 70° | 1056.3 | 1090.4 | 1183.3 | 1613.9 | 2410.1 | 3702.0 | 4676.3 | 4692.7 | 4477.7 | 4139.3 | 3407.8 |
| 72.5° | 449.5 | 477.1 | 543.2 | 831.9 | 1468.9 | 2764.4 | 4275.7 | 4337.6 | 4236.4 | 3788.4 | 2816.4 |
| 75° | 196.3 | 204.9 | 234.8 | 339.2 | 652.0 | 1504.5 | 3349.5 | 3464.1 | 3622.3 | 3202.2 | 2098.0 |
| 77.5° | 143.7 | 147.3 | 163.7 | 199.1 | 292.6 | 568.2 | 2154.0 | 2220.6 | 2612.4 | 2330.2 | 1286.9 |
| 80° | 111.1 | 113.8 | 126.5 | 146.3 | 191.1 | 229.8 | 982.4 | 1039.6 | 1468.9 | 1196.9 | 536.0 |
| 82.5° | 88.5 | 90.3 | 99.2 | 107.8 | 132.0 | 139.3 | 326.2 | 361.8 | 542.2 | 330.6 | 141.9 |
| 85° | 82.3 | 84.3 | 87.5 | 78.6 | 84.6 | 81.7 | 141.1 | 147.6 | 163.7 | 129.9 | 59.3 |
| 87.5° | 37.2 | 44.0 | 86.7 | 61.2 | 45.0 | 35.9 | 57.8 | 60.4 | 67.9 | 68.2 | 26.3 |
| 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° | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 | 987.8 |
| 2.5° | 990.2 | 989.4 | 990.7 | 987.6 | 991.5 | 991.2 | 989.9 | 990.4 | 993.0 | 992.8 | 993.0 |
| 5° | 996.2 | 995.6 | 997.2 | 994.9 | 999.5 | 1001.1 | 1001.4 | 1003.7 | 1006.6 | 1007.4 | 1007.4 |
| 7.5° | 1011.3 | 1011.3 | 1012.0 | 1008.9 | 1012.0 | 1011.8 | 1010.5 | 1012.8 | 1015.7 | 1015.9 | 1015.7 |
| 10° | 1037.3 | 1037.6 | 1036.2 | 1028.2 | 1025.6 | 1018.5 | 1012.0 | 1012.3 | 1015.9 | 1018.8 | 1019.6 |
| 12.5° | 1070.1 | 1069.0 | 1063.3 | 1048.5 | 1037.6 | 1023.2 | 1016.5 | 1016.2 | 1019.8 | 1022.2 | 1023.0 |
| 15° | 1107.6 | 1104.7 | 1089.9 | 1065.7 | 1046.4 | 1032.3 | 1021.4 | 1018.8 | 1016.7 | 1014.1 | 1014.4 |
| 17.5° | 1143.0 | 1136.5 | 1111.7 | 1078.2 | 1057.9 | 1039.1 | 1018.0 | 1001.1 | 989.4 | 982.6 | 980.5 |
| 20° | 1178.9 | 1166.1 | 1130.5 | 1089.9 | 1064.1 | 1030.0 | 989.4 | 955.0 | 933.7 | 923.8 | 922.0 |
| 22.5° | 1211.7 | 1191.1 | 1147.9 | 1102.1 | 1059.2 | 999.3 | 935.5 | 885.5 | 855.9 | 842.6 | 843.6 |
| 25° | 1243.7 | 1215.1 | 1166.1 | 1110.7 | 1034.2 | 945.1 | 860.5 | 799.1 | 764.8 | 749.9 | 749.4 |
| 27.5° | 1271.8 | 1239.3 | 1185.9 | 1103.7 | 987.6 | 868.1 | 771.8 | 711.9 | 683.3 | 670.5 | 668.4 |
| 30° | 1304.1 | 1269.7 | 1212.2 | 1076.9 | 919.4 | 779.1 | 685.1 | 642.9 | 622.6 | 609.9 | 607.5 |
| 32.5° | 1343.4 | 1311.1 | 1233.8 | 1028.2 | 832.2 | 686.1 | 617.4 | 588.0 | 569.5 | 555.2 | 552.6 |
| 35° | 1400.7 | 1365.8 | 1239.3 | 958.4 | 736.4 | 612.7 | 567.7 | 537.5 | 512.5 | 494.0 | 492.2 |
| 37.5° | 1472.5 | 1434.2 | 1226.8 | 868.1 | 643.5 | 565.1 | 526.3 | 489.1 | 456.6 | 430.5 | 426.4 |
| 40° | 1576.1 | 1518.3 | 1192.2 | 764.0 | 575.0 | 528.4 | 486.0 | 443.5 | 403.2 | 372.7 | 366.8 |
| 42.5° | 1700.5 | 1617.0 | 1139.1 | 660.4 | 524.8 | 491.2 | 445.9 | 393.3 | 354.8 | 333.2 | 330.1 |
| 45° | 1858.8 | 1719.5 | 1065.4 | 569.8 | 475.3 | 454.0 | 402.7 | 354.3 | 330.3 | 314.4 | 311.8 |
| 47.5° | 2039.4 | 1834.6 | 988.1 | 496.1 | 433.4 | 419.1 | 368.1 | 336.8 | 317.8 | 305.3 | 303.0 |
| 50° | 2261.5 | 1964.5 | 906.1 | 435.7 | 391.2 | 377.2 | 351.7 | 327.2 | 312.1 | 302.5 | 300.1 |
| 52.5° | 2511.9 | 2111.0 | 847.0 | 388.1 | 356.3 | 346.2 | 343.1 | 322.0 | 309.8 | 302.5 | 300.1 |
| 55° | 2781.6 | 2260.2 | 783.2 | 348.0 | 326.2 | 329.0 | 337.3 | 322.5 | 314.2 | 305.3 | 301.9 |
| 57.5° | 3051.5 | 2414.3 | 712.2 | 314.2 | 302.2 | 316.3 | 333.4 | 323.6 | 316.5 | 307.9 | 304.8 |
| 60° | 3264.9 | 2511.9 | 602.1 | 285.8 | 283.2 | 302.2 | 324.1 | 315.7 | 306.6 | 306.9 | 306.4 |
| 62.5° | 3364.6 | 2506.7 | 480.5 | 260.6 | 264.2 | 283.2 | 309.0 | 303.5 | 296.0 | 306.1 | 306.9 |
| 65° | 3308.7 | 2381.7 | 374.0 | 237.7 | 243.9 | 263.4 | 293.4 | 297.5 | 300.1 | 319.6 | 322.2 |
| 67.5° | 3073.9 | 2138.6 | 289.7 | 217.6 | 225.4 | 249.9 | 294.9 | 324.1 | 327.5 | 348.0 | 347.8 |
| 69° | 2831.0 | 1910.6 | 251.7 | 207.2 | 216.3 | 253.3 | 315.2 | 341.0 | 328.2 | 350.1 | 347.0 |
| 70° | 2627.5 | 1730.2 | 231.4 | 200.2 | 212.1 | 259.3 | 328.8 | 340.7 | 324.3 | 343.1 | 337.9 |
| 72.5° | 2023.6 | 1244.7 | 196.3 | 187.2 | 198.1 | 248.1 | 332.7 | 333.2 | 315.2 | 318.9 | 310.0 |
| 75° | 1387.9 | 786.6 | 171.3 | 169.5 | 176.7 | 223.6 | 320.2 | 318.3 | 291.5 | 286.3 | 279.0 |
| 77.5° | 765.3 | 399.6 | 145.5 | 152.5 | 157.5 | 198.1 | 291.0 | 288.4 | 266.3 | 255.4 | 252.7 |
| 80° | 295.2 | 174.9 | 122.9 | 135.6 | 138.7 | 171.5 | 255.1 | 252.7 | 234.3 | 220.2 | 216.3 |
| 82.5° | 111.4 | 91.6 | 101.5 | 117.4 | 116.4 | 141.6 | 216.0 | 214.7 | 196.8 | 176.2 | 170.0 |
| 85° | 51.5 | 54.9 | 80.4 | 96.8 | 89.3 | 104.9 | 172.8 | 175.2 | 153.3 | 128.8 | 128.8 |
| 87.5° | 21.9 | 30.7 | 57.0 | 73.1 | 60.1 | 70.8 | 126.8 | 121.0 | 111.1 | 77.0 | 72.4 |
| 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)