

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P939355

Luminaire Tested: **GLAN-SB1D-930-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7016 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

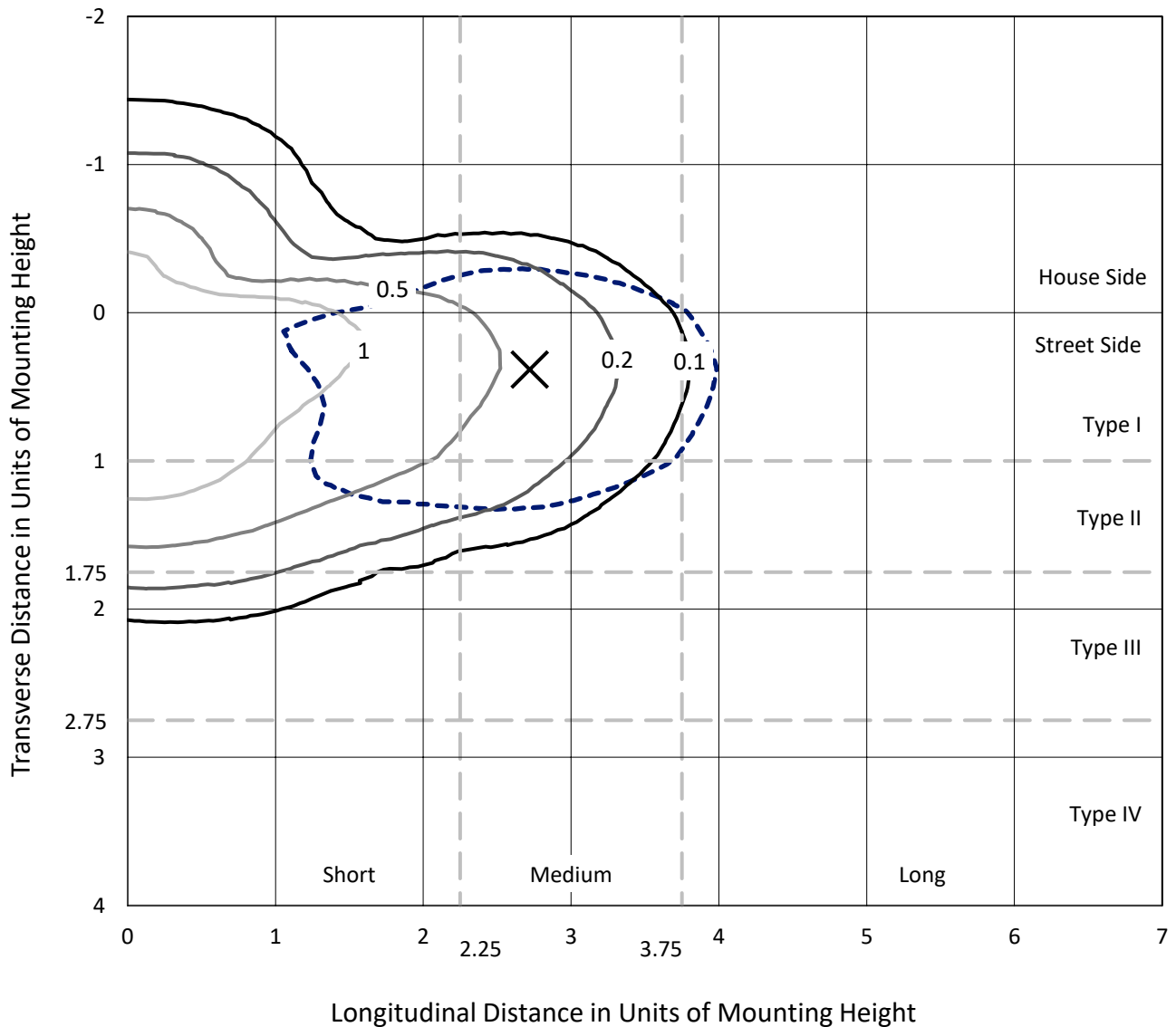
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

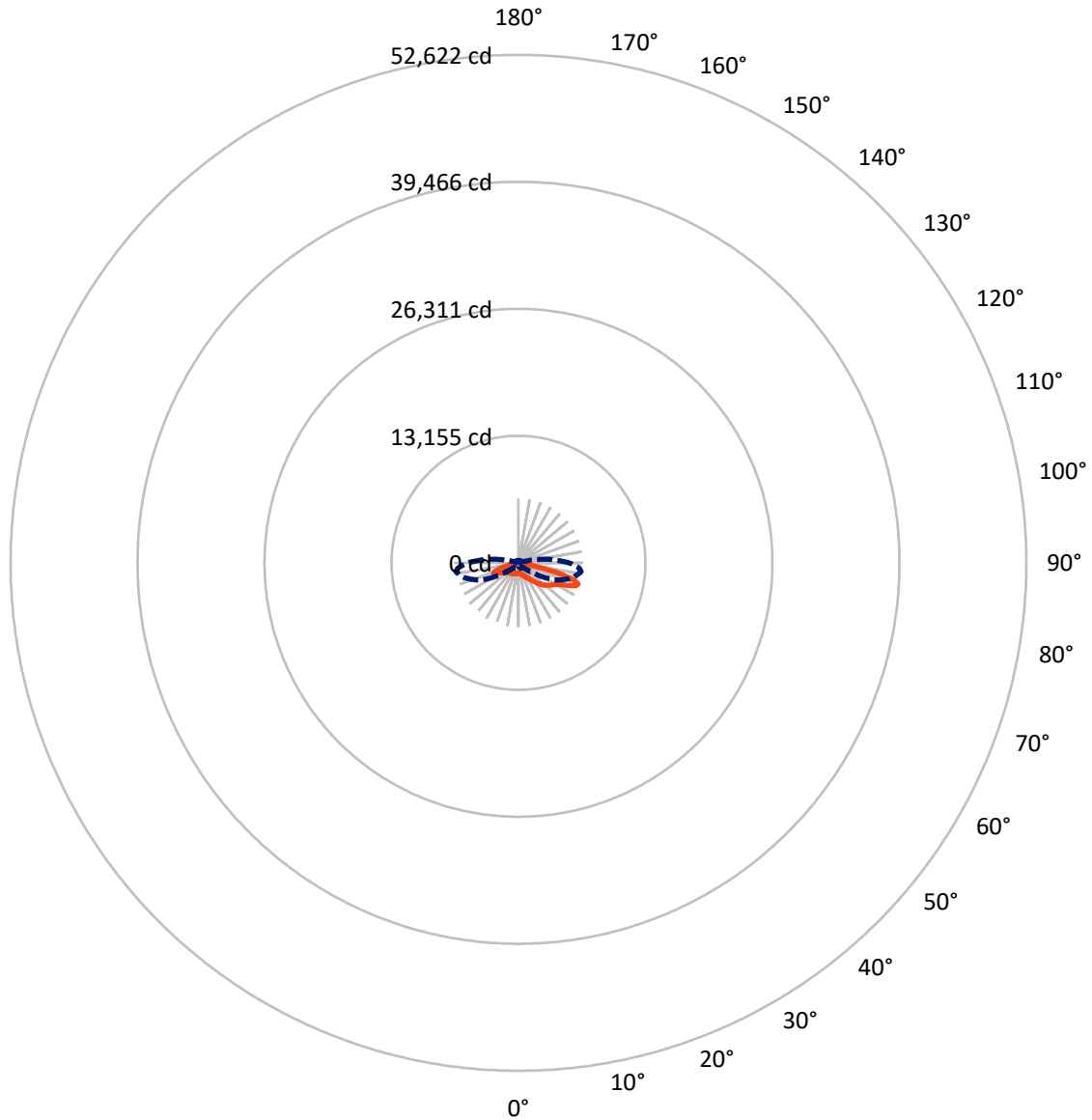
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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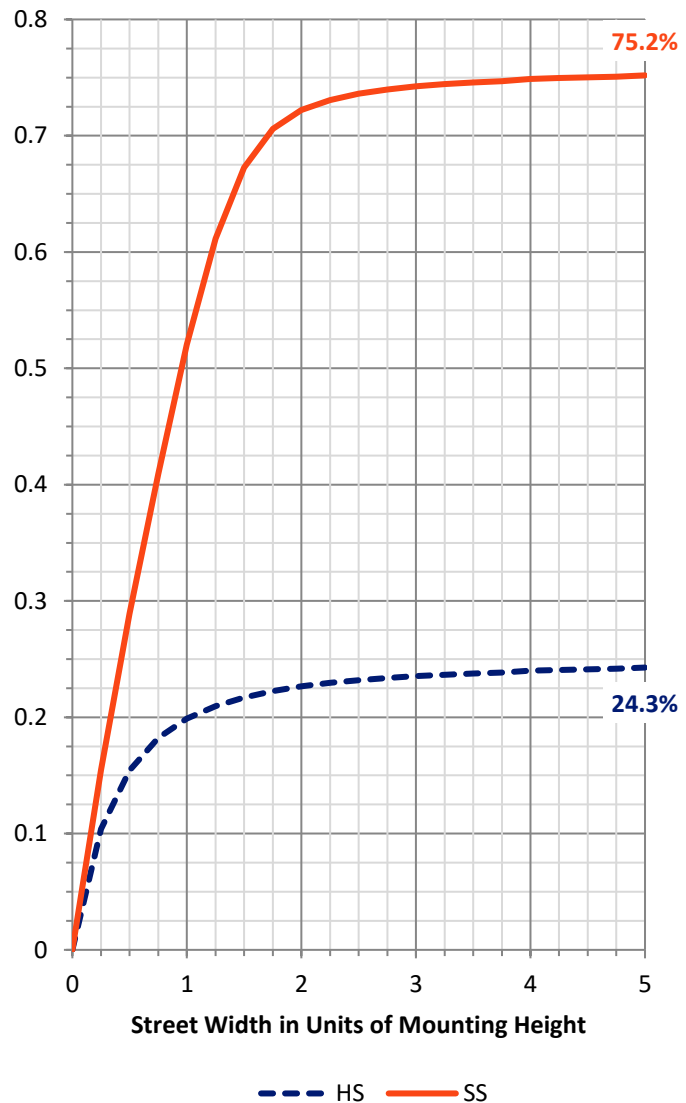
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1729.6 | 0.0 | 1729.6 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| Street Side | Lumens | 5286.4 | 0.0 | 5286.4 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| Total | Lumens | 7016.0 | 0.0 | 7016.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 97.1 | 1.4 |
| 10°-20° | 279.0 | 4.0 |
| 20°-30° | 466.8 | 6.7 |
| 30°-40° | 729.3 | 10.4 |
| 40°-50° | 1161.4 | 16.6 |
| 50°-60° | 1616.3 | 23.0 |
| 60°-70° | 1690.7 | 24.1 |
| 70°-80° | 883.6 | 12.6 |
| 80°-90° | 91.8 | 1.3 |
| 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° | 7016.0 | 100.0 |
| 0°-180° | 7016.0 | 100.0 |

Coefficient of Utilization

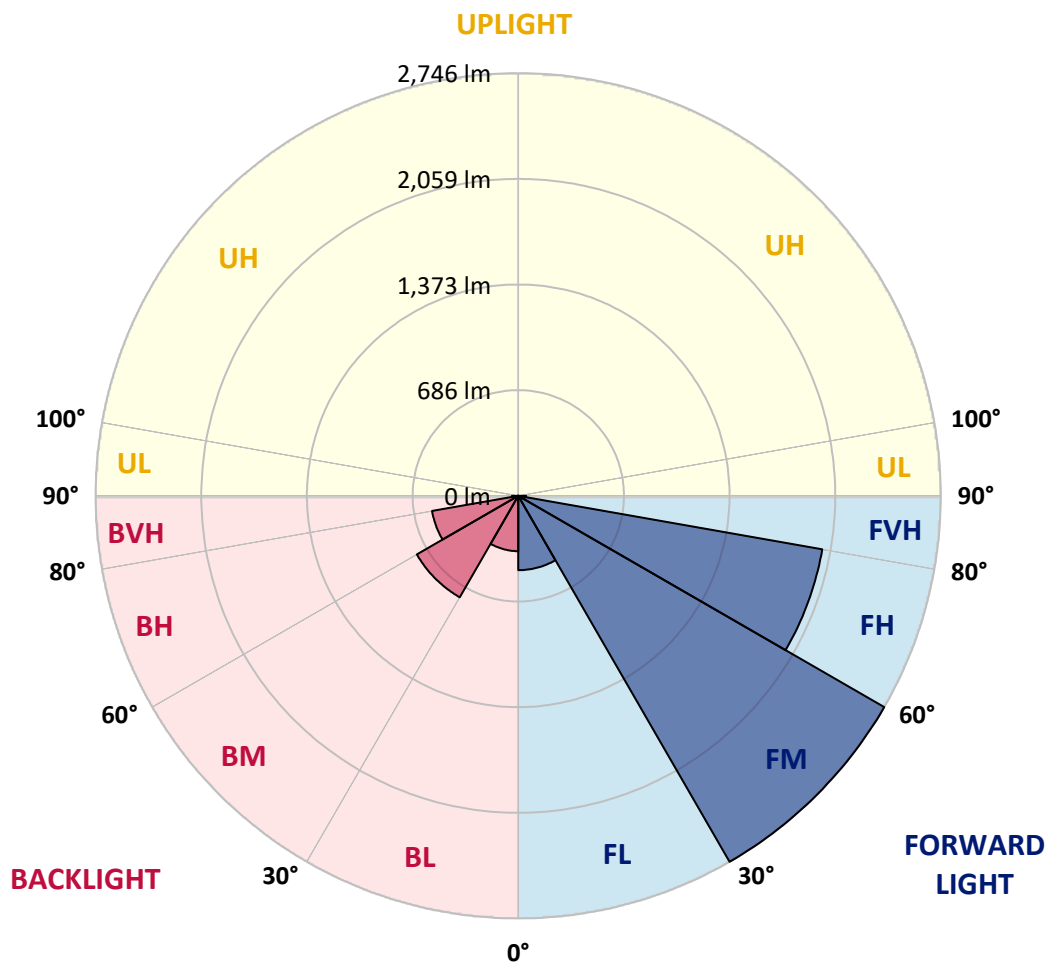


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 483.1 | 6.9 | | | |
| FM (30°-60°) | 2746.0 | 39.1 | | | |
| FH (60°-80°) | 2005.9 | 28.6 | | | G2/5000 |
| FVH (80°-90°) | 51.4 | 0.7 | | | G1/100 |
| BL (0°-30°) | 359.8 | 5.1 | B1/500 | | |
| BM (30°-60°) | 761.0 | 10.8 | B1/1000 | | |
| BH (60°-80°) | 568.4 | 8.1 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 40.4 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 |
| 2.5° | 1053.2 | 1059.2 | 1057.3 | 1055.4 | 1055.4 | 1052.8 | 1052.5 | 1048.7 | 1045.8 | 1040.9 |
| 5° | 1066.6 | 1072.9 | 1072.2 | 1073.7 | 1078.5 | 1079.6 | 1080.8 | 1078.5 | 1072.6 | 1066.6 |
| 7.5° | 1054.7 | 1061.8 | 1064.0 | 1072.9 | 1087.8 | 1101.2 | 1111.3 | 1115.4 | 1109.8 | 1101.2 |
| 10° | 1014.5 | 1022.3 | 1030.1 | 1051.3 | 1077.8 | 1109.4 | 1136.2 | 1152.2 | 1151.1 | 1142.9 |
| 12.5° | 933.0 | 941.1 | 957.9 | 999.2 | 1047.6 | 1103.5 | 1153.4 | 1186.9 | 1198.4 | 1192.4 |
| 15° | 867.8 | 874.9 | 887.5 | 930.0 | 992.9 | 1077.8 | 1159.7 | 1224.8 | 1254.2 | 1250.9 |
| 17.5° | 865.9 | 868.9 | 876.7 | 896.8 | 945.2 | 1037.6 | 1153.0 | 1262.1 | 1318.3 | 1317.9 |
| 20° | 898.7 | 899.8 | 904.3 | 908.4 | 935.9 | 1007.0 | 1135.9 | 1293.0 | 1390.1 | 1390.1 |
| 22.5° | 944.1 | 943.4 | 947.8 | 944.1 | 957.5 | 1004.4 | 1125.1 | 1320.1 | 1470.2 | 1476.1 |
| 25° | 1012.3 | 1008.5 | 1007.4 | 998.9 | 1001.5 | 1028.6 | 1137.0 | 1351.0 | 1565.1 | 1577.4 |
| 27.5° | 1103.1 | 1097.1 | 1093.0 | 1073.3 | 1066.6 | 1078.5 | 1173.5 | 1388.3 | 1670.8 | 1692.1 |
| 30° | 1221.5 | 1210.7 | 1204.7 | 1170.5 | 1146.3 | 1148.1 | 1228.6 | 1437.8 | 1781.4 | 1815.7 |
| 32.5° | 1383.1 | 1366.3 | 1350.3 | 1294.1 | 1249.8 | 1235.3 | 1299.7 | 1506.3 | 1901.3 | 1956.0 |
| 35° | 1564.0 | 1550.6 | 1533.5 | 1446.7 | 1378.6 | 1345.1 | 1395.7 | 1602.0 | 2041.6 | 2128.4 |
| 37.5° | 1738.2 | 1726.7 | 1734.9 | 1618.0 | 1530.1 | 1481.3 | 1521.5 | 1730.4 | 2214.7 | 2342.8 |
| 40° | 1918.4 | 1909.5 | 1910.6 | 1798.9 | 1696.5 | 1641.8 | 1674.2 | 1891.6 | 2413.2 | 2597.8 |
| 42.5° | 2114.2 | 2107.5 | 2085.2 | 1986.2 | 1871.1 | 1820.1 | 1849.9 | 2077.7 | 2626.1 | 2888.2 |
| 45° | 2333.5 | 2329.4 | 2308.6 | 2195.0 | 2063.2 | 2005.9 | 2046.1 | 2283.2 | 2840.2 | 3161.5 |
| 47.5° | 2523.0 | 2526.4 | 2523.7 | 2428.1 | 2291.4 | 2207.3 | 2255.3 | 2497.7 | 3039.4 | 3418.4 |
| 50° | 2614.2 | 2631.7 | 2657.4 | 2627.6 | 2542.7 | 2457.1 | 2466.4 | 2704.7 | 3229.2 | 3659.2 |
| 52.5° | 2566.6 | 2599.7 | 2669.7 | 2717.3 | 2750.1 | 2732.2 | 2707.3 | 2910.2 | 3407.9 | 3876.6 |
| 55° | 2389.0 | 2435.5 | 2551.7 | 2666.7 | 2833.9 | 2963.8 | 2996.6 | 3138.0 | 3582.2 | 4068.0 |
| 57.5° | 2065.5 | 2141.0 | 2245.3 | 2478.0 | 2759.4 | 3075.8 | 3333.8 | 3454.1 | 3766.8 | 4272.4 |
| 60° | 1510.7 | 1612.0 | 1741.6 | 2087.8 | 2498.8 | 3015.9 | 3620.9 | 3939.6 | 4029.3 | 4537.1 |
| 62.5° | 966.8 | 1029.4 | 1148.5 | 1474.6 | 1947.1 | 2708.8 | 3708.7 | 4546.4 | 4474.2 | 4971.2 |
| 65° | 661.9 | 702.1 | 811.2 | 994.4 | 1258.7 | 2016.3 | 3473.5 | 5001.3 | 5180.8 | 5659.2 |
| 67.5° | 481.0 | 511.5 | 604.6 | 765.1 | 820.2 | 1193.2 | 2695.4 | 4980.5 | 5867.6 | 6368.0 |
| 70° | 350.7 | 372.3 | 450.5 | 604.6 | 631.0 | 663.8 | 1632.9 | 4233.7 | 5852.7 | 6556.4 |
| 72.5° | 259.9 | 274.7 | 327.2 | 469.1 | 510.8 | 448.2 | 808.2 | 3077.0 | 5029.2 | 5930.2 |
| 75° | 188.0 | 199.2 | 237.9 | 358.9 | 408.8 | 341.4 | 403.2 | 1798.2 | 3508.1 | 4171.5 |
| 77.5° | 143.7 | 152.3 | 177.6 | 262.8 | 327.2 | 256.1 | 250.2 | 827.2 | 1663.4 | 1671.6 |
| 80° | 115.4 | 121.0 | 134.8 | 185.0 | 250.9 | 191.7 | 163.1 | 333.9 | 525.7 | 444.9 |
| 82.5° | 84.9 | 94.2 | 113.9 | 129.9 | 179.4 | 132.2 | 99.4 | 168.6 | 199.9 | 172.0 |
| 85° | 48.4 | 54.7 | 68.9 | 93.1 | 114.7 | 80.8 | 57.0 | 74.8 | 93.1 | 76.3 |
| 87.5° | 17.1 | 22.3 | 24.2 | 36.5 | 49.9 | 33.5 | 22.0 | 21.6 | 30.5 | 22.7 |
| 90° | 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):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1028.6 | 0° | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 | 1028.6 |
| 1039.8 | 2.5° | 1036.1 | 1034.2 | 1026.8 | 1016.7 | 1006.3 | 996.2 | 992.9 | 985.8 | 981.0 | 978.4 |
| 1064.0 | 5° | 1056.9 | 1051.0 | 1033.5 | 1011.1 | 987.7 | 962.4 | 944.5 | 928.1 | 916.2 | 905.0 |
| 1097.1 | 7.5° | 1086.7 | 1076.3 | 1046.1 | 1007.0 | 965.3 | 923.3 | 892.0 | 868.2 | 852.2 | 841.7 |
| 1135.9 | 10° | 1121.3 | 1105.3 | 1059.2 | 1000.7 | 936.3 | 876.0 | 839.1 | 818.7 | 808.6 | 803.0 |
| 1180.2 | 12.5° | 1161.2 | 1138.5 | 1072.6 | 986.2 | 892.0 | 823.1 | 797.8 | 791.9 | 792.2 | 792.6 |
| 1236.0 | 15° | 1210.3 | 1178.7 | 1083.4 | 954.5 | 834.3 | 782.6 | 778.1 | 787.8 | 797.8 | 802.7 |
| 1299.3 | 17.5° | 1265.8 | 1221.1 | 1085.2 | 902.4 | 777.7 | 756.5 | 770.6 | 791.5 | 806.7 | 813.5 |
| 1370.0 | 20° | 1325.3 | 1264.3 | 1071.8 | 828.7 | 731.2 | 735.3 | 760.6 | 787.4 | 804.1 | 812.7 |
| 1450.8 | 22.5° | 1393.5 | 1310.5 | 1039.8 | 751.3 | 693.2 | 712.2 | 742.0 | 768.0 | 785.5 | 794.1 |
| 1545.7 | 25° | 1471.3 | 1362.2 | 989.5 | 686.1 | 660.4 | 686.1 | 715.9 | 737.5 | 751.7 | 759.5 |
| 1651.8 | 27.5° | 1557.7 | 1416.2 | 922.5 | 634.4 | 631.8 | 659.3 | 683.9 | 700.6 | 708.1 | 714.0 |
| 1764.6 | 30° | 1644.4 | 1465.3 | 841.4 | 595.3 | 606.8 | 632.9 | 650.4 | 657.8 | 660.1 | 661.2 |
| 1890.5 | 32.5° | 1738.2 | 1507.8 | 756.1 | 562.9 | 583.0 | 607.2 | 617.6 | 621.0 | 610.6 | 603.5 |
| 2043.1 | 35° | 1851.8 | 1553.2 | 672.7 | 537.2 | 559.5 | 580.4 | 583.7 | 580.8 | 568.5 | 554.0 |
| 2234.5 | 37.5° | 1992.1 | 1609.8 | 606.1 | 519.0 | 537.6 | 551.4 | 547.3 | 546.5 | 547.6 | 530.5 |
| 2464.6 | 40° | 2164.1 | 1683.5 | 557.3 | 504.8 | 519.7 | 522.7 | 511.2 | 517.5 | 523.1 | 497.0 |
| 2717.0 | 42.5° | 2355.1 | 1772.5 | 526.4 | 495.1 | 504.8 | 497.7 | 479.9 | 487.0 | 486.2 | 452.0 |
| 2970.5 | 45° | 2549.8 | 1869.3 | 515.6 | 488.1 | 491.0 | 476.9 | 457.2 | 459.0 | 443.4 | 412.5 |
| 3213.6 | 47.5° | 2743.4 | 1973.1 | 522.3 | 482.1 | 473.9 | 457.9 | 442.7 | 434.5 | 411.4 | 388.3 |
| 3446.6 | 50° | 2933.3 | 2082.2 | 546.9 | 470.2 | 450.5 | 441.2 | 430.0 | 415.5 | 390.9 | 371.2 |
| 3667.0 | 52.5° | 3109.4 | 2192.0 | 574.4 | 450.5 | 421.1 | 426.6 | 419.6 | 402.8 | 378.6 | 358.5 |
| 3875.5 | 55° | 3276.1 | 2301.9 | 585.2 | 423.3 | 393.5 | 414.0 | 409.9 | 379.0 | 350.0 | 333.6 |
| 4093.7 | 57.5° | 3457.8 | 2434.0 | 573.3 | 388.7 | 371.2 | 399.5 | 383.8 | 349.6 | 332.8 | 320.5 |
| 4377.7 | 60° | 3709.5 | 2641.4 | 547.6 | 345.9 | 350.0 | 377.9 | 351.1 | 336.9 | 318.7 | 304.9 |
| 4803.6 | 62.5° | 4127.6 | 3028.2 | 506.3 | 303.4 | 325.0 | 345.9 | 335.4 | 321.3 | 302.7 | 289.3 |
| 5531.8 | 65° | 4745.6 | 3565.8 | 428.5 | 270.3 | 297.1 | 314.6 | 318.7 | 304.5 | 285.2 | 271.0 |
| 6169.9 | 67.5° | 5266.8 | 3903.1 | 324.3 | 242.7 | 268.4 | 289.3 | 300.8 | 287.0 | 266.6 | 252.8 |
| 6319.2 | 70° | 5238.1 | 3658.1 | 247.6 | 215.6 | 243.1 | 264.3 | 279.2 | 268.4 | 246.5 | 233.4 |
| 5739.9 | 72.5° | 4652.5 | 3060.2 | 200.3 | 188.0 | 217.4 | 238.3 | 256.1 | 247.9 | 225.6 | 212.9 |
| 4205.0 | 75° | 3418.0 | 2172.3 | 160.1 | 160.1 | 185.4 | 211.1 | 230.8 | 225.6 | 205.1 | 196.2 |
| 1765.4 | 77.5° | 1440.8 | 911.4 | 125.5 | 132.9 | 154.1 | 181.3 | 205.9 | 207.7 | 189.9 | 201.0 |
| 466.8 | 80° | 383.1 | 251.3 | 95.7 | 104.6 | 121.0 | 149.7 | 179.1 | 178.3 | 159.0 | 148.5 |
| 173.5 | 82.5° | 145.9 | 99.0 | 68.1 | 73.7 | 87.5 | 114.7 | 141.8 | 146.3 | 127.0 | 109.8 |
| 68.1 | 85° | 56.2 | 42.4 | 42.1 | 44.3 | 51.0 | 75.9 | 107.2 | 110.9 | 95.7 | 81.2 |
| 19.0 | 87.5° | 14.5 | 12.7 | 15.6 | 14.9 | 23.5 | 40.6 | 61.4 | 63.7 | 58.4 | 33.9 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| 180° |
|--------|
| 1028.6 |
| 981.4 |
| 909.5 |
| 844.0 |
| 804.5 |
| 793.3 |
| 802.3 |
| 814.9 |
| 814.9 |
| 796.3 |
| 761.7 |
| 716.3 |
| 663.8 |
| 605.7 |
| 554.7 |
| 531.6 |
| 497.7 |
| 451.6 |
| 413.6 |
| 388.3 |
| 369.7 |
| 358.9 |
| 332.1 |
| 319.4 |
| 304.2 |
| 289.3 |
| 271.8 |
| 253.2 |
| 234.5 |
| 212.9 |
| 193.6 |
| 182.4 |
| 138.1 |
| 109.8 |
| 83.8 |
| 48.4 |
| 0.0 |

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