

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: P852117

Luminaire Tested: **GLAN-SB1C-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5790 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

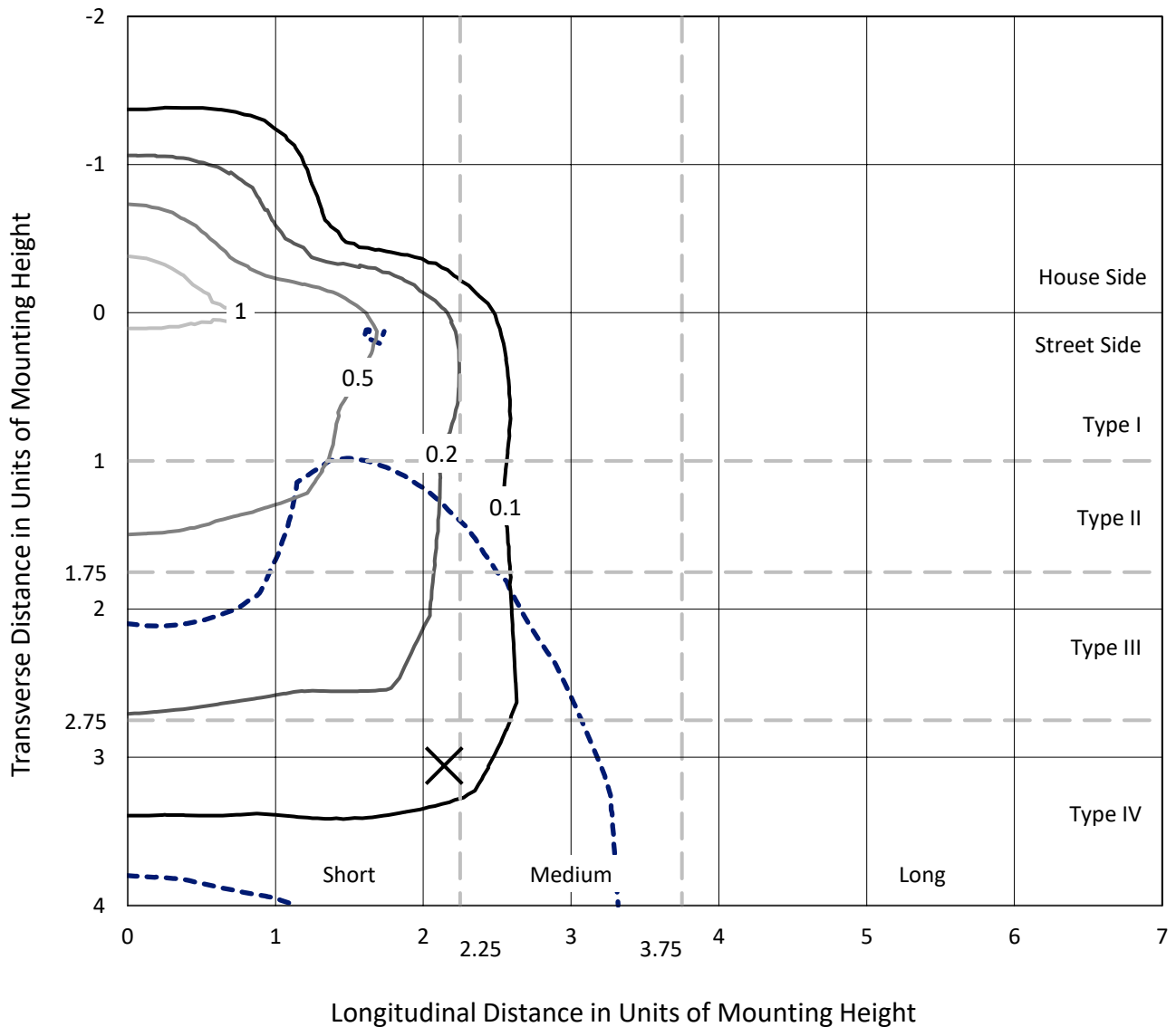
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

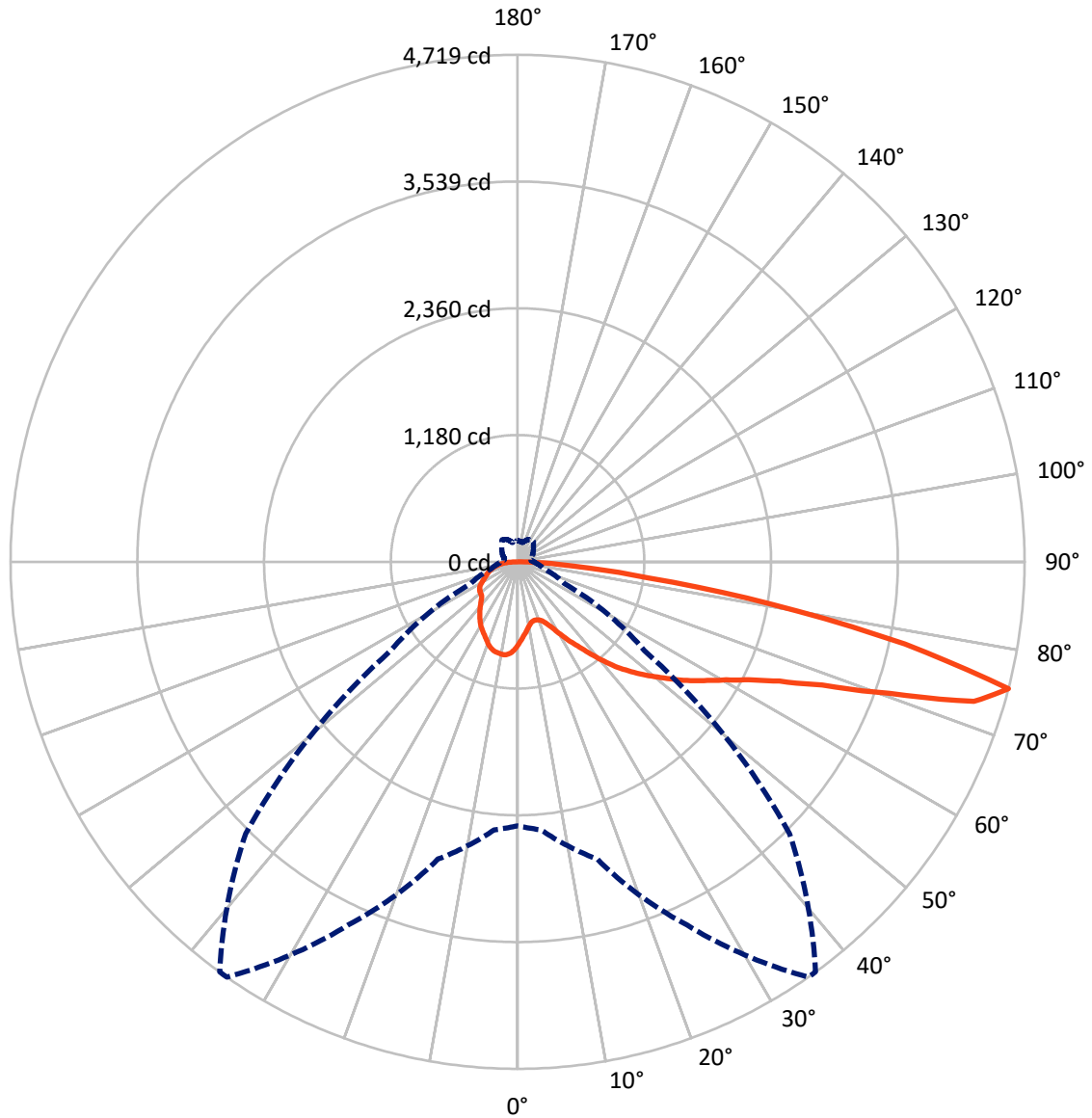
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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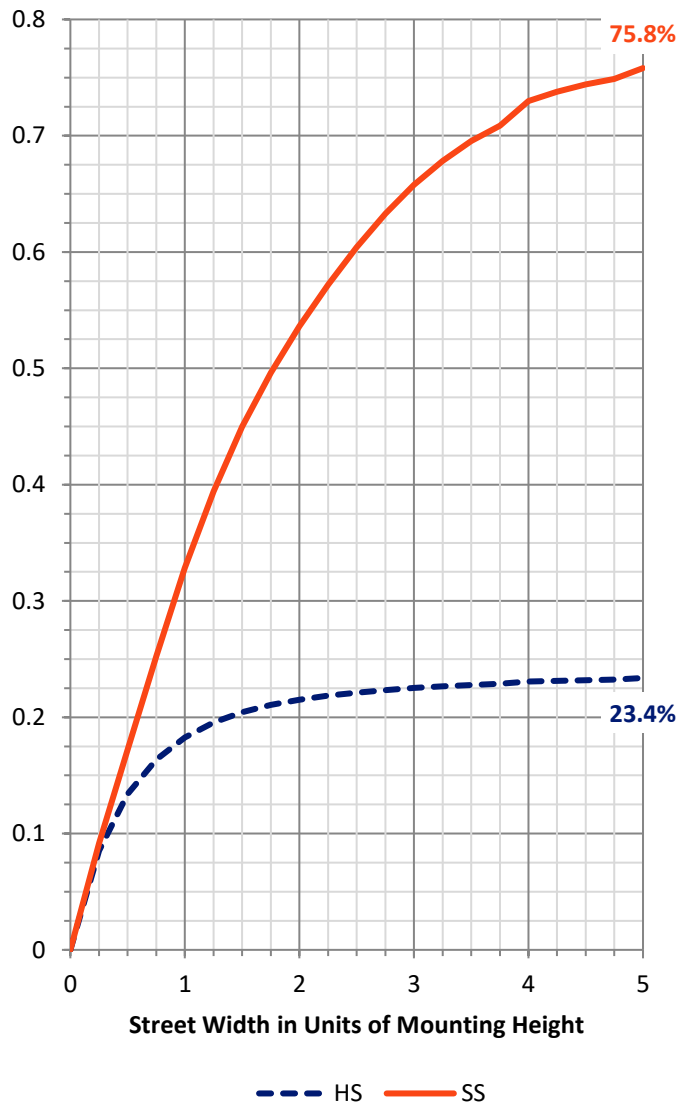
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1377.9 | 0.0 | 1377.9 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 4412.1 | 0.0 | 4412.1 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 5790.0 | 0.0 | 5790.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 73.1 | 1.3 |
| 10°-20° | 210.7 | 3.6 |
| 20°-30° | 353.8 | 6.1 |
| 30°-40° | 549.9 | 9.5 |
| 40°-50° | 816.2 | 14.1 |
| 50°-60° | 1126.8 | 19.5 |
| 60°-70° | 1367.1 | 23.6 |
| 70°-80° | 1129.8 | 19.5 |
| 80°-90° | 162.5 | 2.8 |
| 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° | 5790.0 | 100.0 |
| 0°-180° | 5790.0 | 100.0 |

Coefficient of Utilization



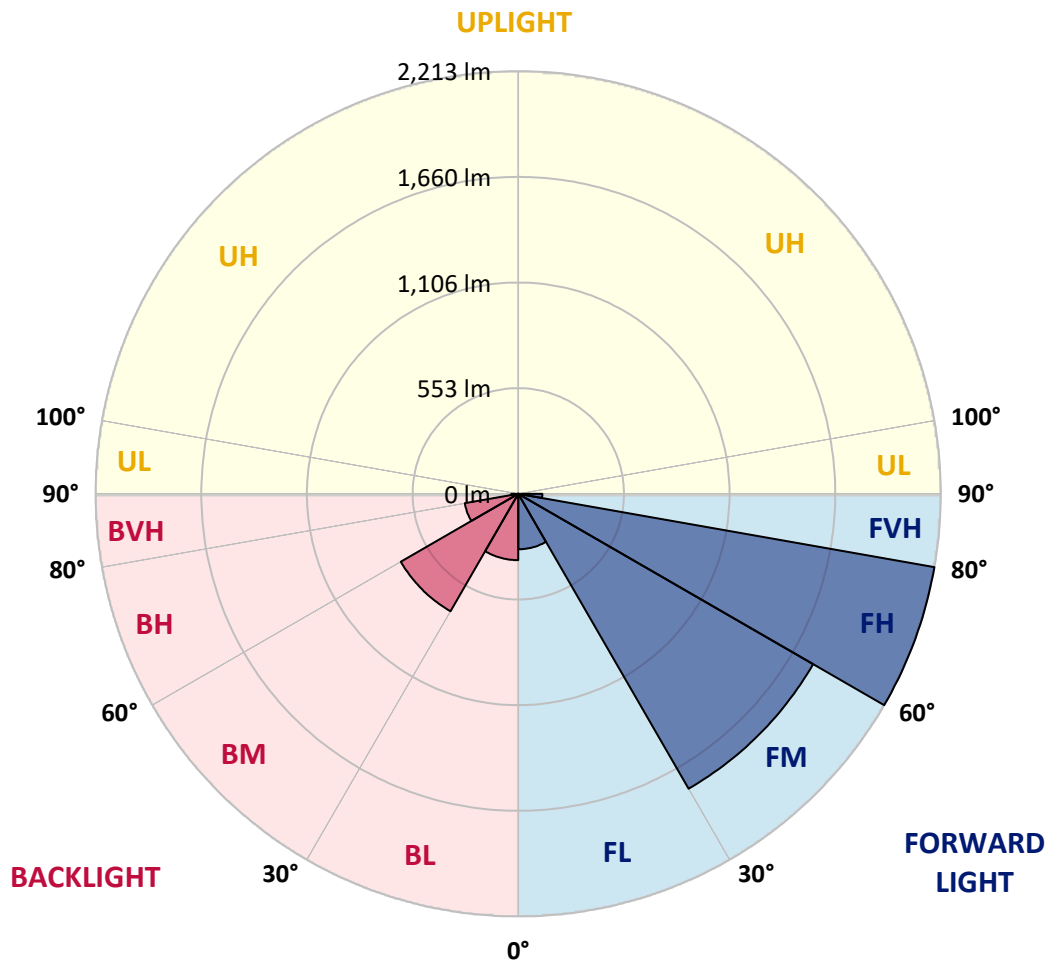
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 290.4 | 5.0 | | | |
| FM (30°-60°) | 1783.0 | 30.8 | | | |
| FH (60°-80°) | 2212.9 | 38.2 | | | G2/5000 |
| FVH (80°-90°) | 125.9 | 2.2 | | | G2/225 |
| BL (0°-30°) | 347.2 | 6.0 | B1/500 | | |
| BM (30°-60°) | 710.0 | 12.3 | B1/1000 | | |
| BH (60°-80°) | 284.1 | 4.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 36.6 | 0.6 | | | 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 IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 36° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 |
| 2.5° | 711.5 | 715.8 | 717.7 | 716.8 | 721.5 | 720.8 | 727.4 | 735.6 | 746.8 | 757.8 |
| 5° | 656.7 | 661.4 | 665.4 | 669.2 | 678.3 | 681.1 | 691.4 | 707.1 | 727.7 | 748.7 |
| 7.5° | 605.7 | 609.7 | 616.0 | 622.9 | 638.2 | 641.0 | 658.2 | 682.7 | 711.5 | 742.1 |
| 10° | 564.0 | 568.1 | 574.7 | 582.5 | 601.6 | 605.0 | 626.9 | 659.5 | 697.1 | 735.9 |
| 12.5° | 546.2 | 547.4 | 551.2 | 559.0 | 575.6 | 577.8 | 601.9 | 639.2 | 683.0 | 731.2 |
| 15° | 545.3 | 547.8 | 548.1 | 552.1 | 565.9 | 566.9 | 589.1 | 626.0 | 674.2 | 730.2 |
| 17.5° | 554.6 | 556.5 | 553.7 | 556.2 | 567.8 | 569.4 | 586.9 | 619.7 | 671.4 | 734.3 |
| 20° | 579.7 | 581.2 | 572.8 | 569.4 | 577.8 | 579.1 | 596.3 | 623.8 | 674.2 | 742.8 |
| 22.5° | 632.9 | 633.8 | 613.2 | 599.1 | 599.7 | 600.3 | 615.4 | 640.4 | 685.2 | 758.1 |
| 25° | 715.8 | 715.2 | 682.4 | 655.1 | 639.5 | 636.0 | 646.0 | 667.3 | 703.6 | 778.4 |
| 27.5° | 812.9 | 808.2 | 775.3 | 734.6 | 700.5 | 695.5 | 693.3 | 702.4 | 729.9 | 805.4 |
| 30° | 922.4 | 918.0 | 882.7 | 829.5 | 782.2 | 774.1 | 753.4 | 748.7 | 769.1 | 842.0 |
| 32.5° | 1042.6 | 1039.8 | 997.5 | 933.1 | 869.8 | 860.5 | 825.7 | 813.2 | 829.1 | 897.4 |
| 35° | 1143.4 | 1140.9 | 1105.8 | 1039.5 | 962.2 | 950.6 | 915.2 | 901.1 | 909.3 | 968.4 |
| 37.5° | 1234.5 | 1233.2 | 1203.2 | 1150.9 | 1071.1 | 1057.0 | 1017.3 | 1012.6 | 1011.0 | 1062.0 |
| 40° | 1319.0 | 1315.9 | 1284.6 | 1257.0 | 1197.9 | 1185.0 | 1150.0 | 1145.9 | 1134.0 | 1177.2 |
| 42.5° | 1412.6 | 1404.5 | 1359.1 | 1346.2 | 1330.3 | 1319.6 | 1298.7 | 1299.3 | 1273.0 | 1307.1 |
| 45° | 1489.0 | 1484.3 | 1437.6 | 1430.1 | 1447.3 | 1443.0 | 1461.1 | 1465.8 | 1414.8 | 1443.3 |
| 47.5° | 1571.0 | 1566.6 | 1527.2 | 1521.8 | 1568.5 | 1569.7 | 1633.9 | 1635.4 | 1553.1 | 1584.7 |
| 50° | 1672.1 | 1665.8 | 1626.7 | 1633.3 | 1685.5 | 1690.2 | 1807.6 | 1797.0 | 1680.5 | 1728.4 |
| 52.5° | 1738.7 | 1742.5 | 1734.0 | 1744.7 | 1816.1 | 1820.4 | 1978.5 | 1951.3 | 1806.7 | 1870.2 |
| 55° | 1787.9 | 1795.4 | 1821.7 | 1846.1 | 1953.8 | 1958.2 | 2139.7 | 2098.1 | 1911.2 | 2001.7 |
| 57.5° | 1851.1 | 1840.5 | 1889.6 | 1937.2 | 2084.6 | 2096.2 | 2296.5 | 2239.5 | 2003.9 | 2115.0 |
| 60° | 1941.9 | 1934.4 | 1972.6 | 2043.0 | 2231.1 | 2249.6 | 2462.4 | 2366.9 | 2071.8 | 2204.8 |
| 62.5° | 2125.9 | 2107.1 | 2113.1 | 2175.4 | 2415.8 | 2440.2 | 2649.6 | 2478.1 | 2105.6 | 2239.9 |
| 65° | 2401.1 | 2368.8 | 2338.8 | 2382.0 | 2675.9 | 2700.0 | 2860.9 | 2565.4 | 2093.1 | 2171.9 |
| 67.5° | 2747.6 | 2715.6 | 2678.7 | 2719.4 | 3059.0 | 3078.1 | 3121.6 | 2614.5 | 1994.5 | 1910.3 |
| 70° | 3033.3 | 3021.4 | 3065.6 | 3233.0 | 3670.9 | 3671.5 | 3455.9 | 2573.8 | 1724.3 | 1354.4 |
| 72.5° | 2995.5 | 2988.3 | 3220.8 | 3738.5 | 4442.2 | 4425.6 | 3772.3 | 2265.8 | 1161.6 | 611.0 |
| 75° | 2457.4 | 2504.0 | 2864.3 | 3729.5 | 4719.2 | 4717.0 | 3578.6 | 1440.4 | 480.5 | 253.2 |
| 77.5° | 1317.7 | 1391.6 | 1859.6 | 2753.5 | 3684.1 | 3739.5 | 2515.9 | 503.9 | 206.3 | 162.1 |
| 80° | 429.8 | 494.2 | 741.2 | 1401.9 | 2393.9 | 2383.5 | 1078.3 | 197.8 | 141.2 | 114.9 |
| 82.5° | 182.5 | 190.0 | 331.2 | 662.0 | 1228.5 | 1209.5 | 343.4 | 113.6 | 99.2 | 78.6 |
| 85° | 71.4 | 79.8 | 146.2 | 306.1 | 532.1 | 520.5 | 123.9 | 56.3 | 63.5 | 51.3 |
| 87.5° | 23.5 | 28.5 | 52.3 | 104.9 | 165.6 | 159.6 | 30.4 | 19.4 | 27.5 | 23.5 |
| 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° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 771.6 | 0° | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 | 771.6 |
| 773.7 | 2.5° | 778.1 | 783.1 | 789.1 | 797.8 | 805.4 | 811.6 | 818.2 | 822.3 | 823.8 | 828.5 |
| 775.0 | 5° | 783.8 | 794.7 | 809.4 | 823.8 | 837.9 | 846.4 | 853.9 | 857.6 | 861.1 | 863.6 |
| 778.4 | 7.5° | 793.2 | 807.2 | 830.4 | 849.2 | 861.1 | 868.0 | 873.0 | 871.7 | 873.0 | 873.6 |
| 782.2 | 10° | 801.3 | 821.0 | 848.6 | 866.4 | 875.5 | 875.8 | 874.5 | 870.2 | 868.0 | 868.3 |
| 787.8 | 12.5° | 811.0 | 832.9 | 862.6 | 877.7 | 880.2 | 873.3 | 868.0 | 860.5 | 857.6 | 856.4 |
| 796.3 | 15° | 824.1 | 849.2 | 878.0 | 883.6 | 877.4 | 868.6 | 859.5 | 847.3 | 841.0 | 836.0 |
| 810.7 | 17.5° | 840.1 | 867.6 | 889.9 | 885.8 | 872.3 | 857.9 | 843.2 | 824.8 | 811.9 | 806.6 |
| 830.4 | 20° | 862.3 | 887.1 | 898.9 | 881.1 | 860.8 | 838.9 | 813.8 | 791.3 | 779.4 | 774.1 |
| 855.4 | 22.5° | 889.2 | 913.0 | 907.7 | 873.0 | 844.2 | 809.1 | 777.8 | 761.2 | 755.3 | 751.5 |
| 887.7 | 25° | 921.5 | 941.8 | 914.0 | 861.1 | 816.9 | 769.7 | 745.6 | 740.3 | 737.4 | 734.6 |
| 927.1 | 27.5° | 963.4 | 974.4 | 918.7 | 843.5 | 774.4 | 727.7 | 719.0 | 719.9 | 719.0 | 714.3 |
| 981.9 | 30° | 1018.8 | 1016.6 | 923.1 | 815.1 | 725.5 | 689.9 | 690.5 | 694.6 | 695.2 | 692.1 |
| 1058.3 | 32.5° | 1091.8 | 1069.5 | 925.2 | 778.1 | 678.9 | 656.7 | 657.3 | 661.7 | 664.8 | 659.5 |
| 1158.1 | 35° | 1180.0 | 1131.2 | 921.8 | 731.8 | 642.9 | 625.1 | 620.4 | 621.6 | 622.6 | 617.6 |
| 1279.3 | 37.5° | 1283.0 | 1200.4 | 906.5 | 680.5 | 613.2 | 594.1 | 584.1 | 575.6 | 570.6 | 565.9 |
| 1416.3 | 40° | 1396.0 | 1275.8 | 878.3 | 630.4 | 580.0 | 561.2 | 546.2 | 530.2 | 513.3 | 507.1 |
| 1561.6 | 42.5° | 1514.3 | 1353.4 | 844.2 | 582.5 | 541.8 | 526.5 | 510.5 | 487.3 | 462.0 | 449.2 |
| 1712.4 | 45° | 1637.0 | 1432.9 | 810.7 | 535.2 | 502.7 | 496.1 | 477.6 | 449.8 | 422.2 | 406.0 |
| 1863.6 | 47.5° | 1757.2 | 1508.1 | 761.5 | 487.7 | 466.1 | 473.3 | 458.9 | 433.2 | 402.5 | 376.9 |
| 2013.6 | 50° | 1872.1 | 1578.5 | 681.1 | 439.5 | 436.3 | 466.4 | 452.6 | 415.7 | 380.6 | 347.7 |
| 2160.7 | 52.5° | 1986.0 | 1635.4 | 578.1 | 395.6 | 420.4 | 464.5 | 444.5 | 403.8 | 360.9 | 326.5 |
| 2299.0 | 55° | 2082.7 | 1664.9 | 478.9 | 358.1 | 397.2 | 448.5 | 434.8 | 389.7 | 333.0 | 296.4 |
| 2393.9 | 57.5° | 2137.8 | 1641.1 | 396.3 | 321.1 | 365.3 | 422.2 | 418.2 | 359.6 | 299.9 | 271.7 |
| 2412.3 | 60° | 2114.0 | 1544.7 | 328.7 | 288.9 | 334.9 | 393.8 | 389.4 | 329.9 | 274.5 | 247.9 |
| 2313.4 | 62.5° | 1982.9 | 1360.9 | 275.1 | 260.7 | 307.4 | 364.7 | 360.6 | 307.1 | 255.1 | 229.4 |
| 2050.8 | 65° | 1718.7 | 1107.1 | 233.5 | 237.3 | 279.5 | 329.6 | 335.5 | 288.0 | 239.8 | 214.7 |
| 1586.6 | 67.5° | 1310.9 | 801.9 | 200.9 | 216.9 | 252.3 | 295.2 | 312.4 | 274.2 | 226.9 | 203.1 |
| 918.0 | 70° | 747.1 | 455.4 | 173.4 | 197.2 | 228.2 | 263.2 | 294.5 | 263.2 | 213.2 | 193.4 |
| 344.0 | 72.5° | 283.3 | 209.1 | 149.9 | 177.5 | 205.0 | 236.3 | 274.8 | 246.0 | 197.2 | 182.5 |
| 177.8 | 75° | 151.2 | 127.4 | 126.1 | 154.3 | 178.4 | 210.0 | 250.1 | 229.1 | 185.3 | 192.8 |
| 123.0 | 77.5° | 103.0 | 90.1 | 105.5 | 132.1 | 149.3 | 180.9 | 223.8 | 203.5 | 160.6 | 159.9 |
| 85.1 | 80° | 71.4 | 63.9 | 85.8 | 106.4 | 115.5 | 152.1 | 195.3 | 174.7 | 130.8 | 122.1 |
| 52.6 | 82.5° | 42.9 | 41.6 | 64.2 | 79.5 | 81.7 | 117.4 | 161.8 | 146.5 | 107.0 | 93.3 |
| 31.3 | 85° | 23.5 | 24.7 | 41.0 | 46.6 | 47.6 | 82.0 | 126.8 | 113.3 | 82.3 | 69.2 |
| 11.3 | 87.5° | 6.6 | 8.5 | 15.0 | 18.5 | 22.8 | 42.6 | 75.4 | 67.3 | 41.3 | 28.8 |
| 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° |
| <hr/> |
| 771.6 |
| 828.2 |
| 864.2 |
| 874.5 |
| 868.9 |
| 855.8 |
| 837.6 |
| 806.9 |
| 773.4 |
| 752.2 |
| 734.6 |
| 715.2 |
| 693.6 |
| 662.0 |
| 621.0 |
| 569.0 |
| 509.9 |
| 450.7 |
| 404.7 |
| 374.0 |
| 344.9 |
| 322.7 |
| 293.3 |
| 267.9 |
| 244.1 |
| 225.4 |
| 210.7 |
| 199.4 |
| 190.9 |
| 180.0 |
| 199.1 |
| 147.4 |
| 116.8 |
| 93.9 |
| 69.8 |
| 28.8 |
| 0.0 |

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