

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: P846156

Luminaire Tested: **GLAN-SB1C-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4780 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

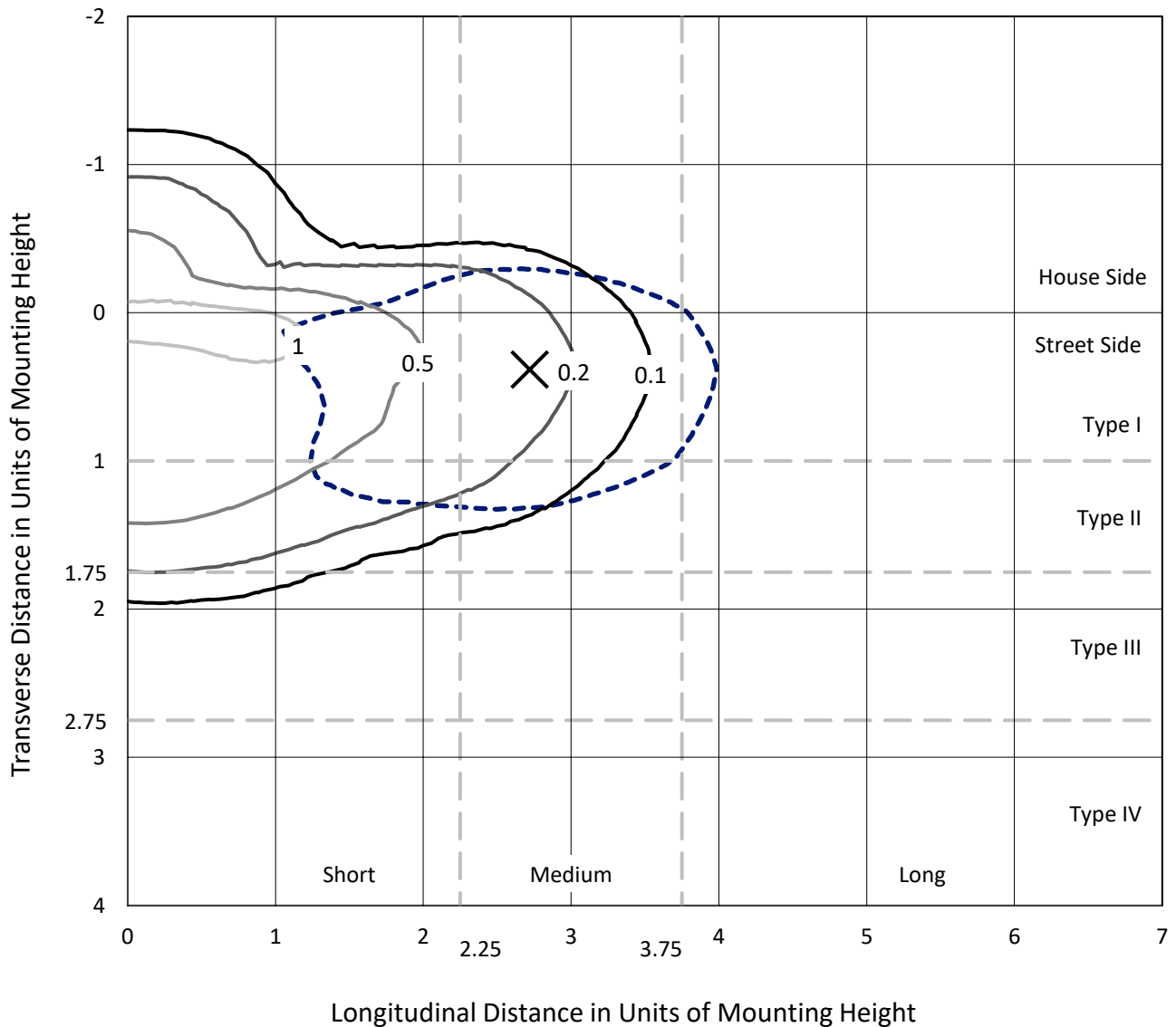
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

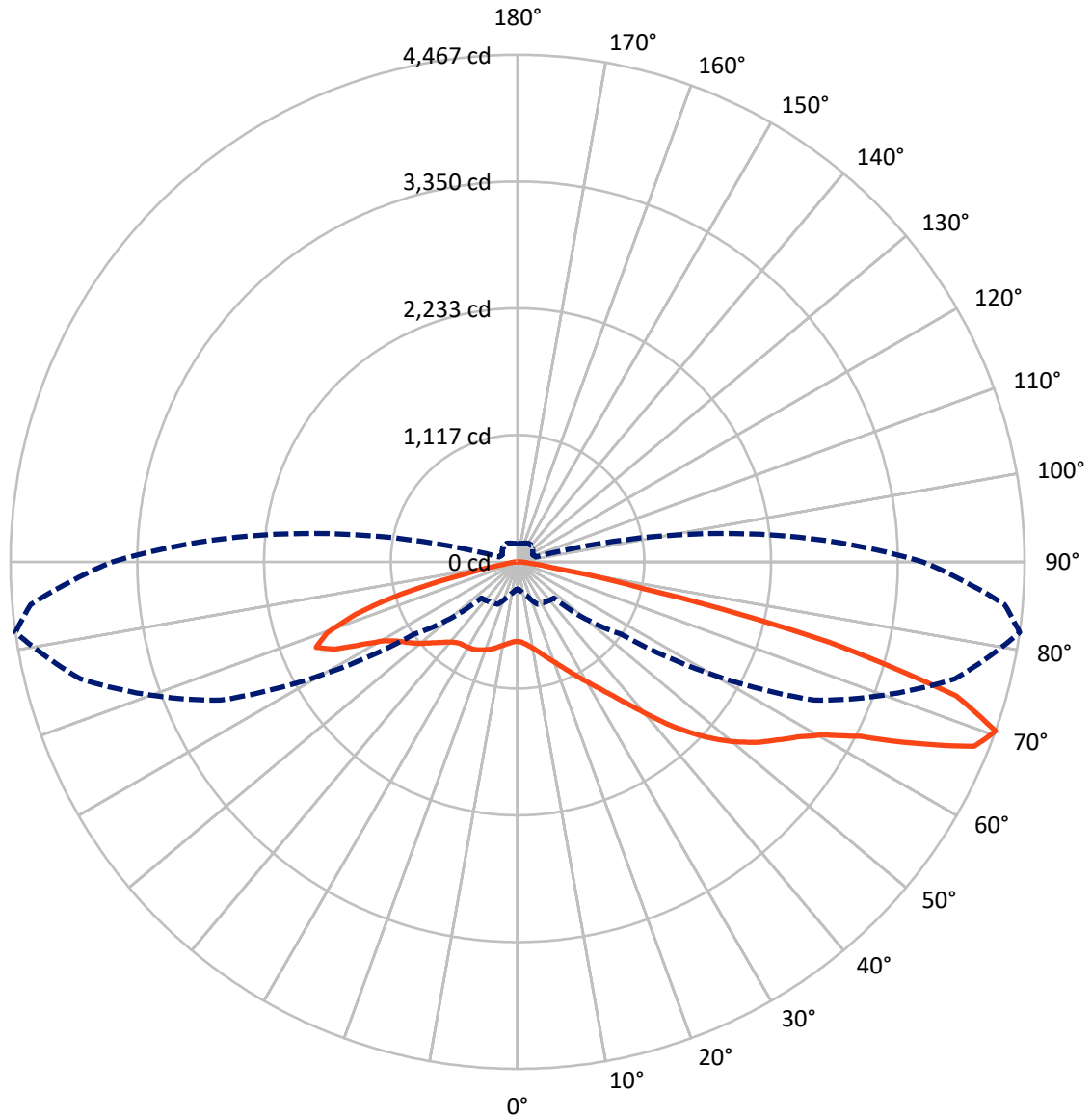
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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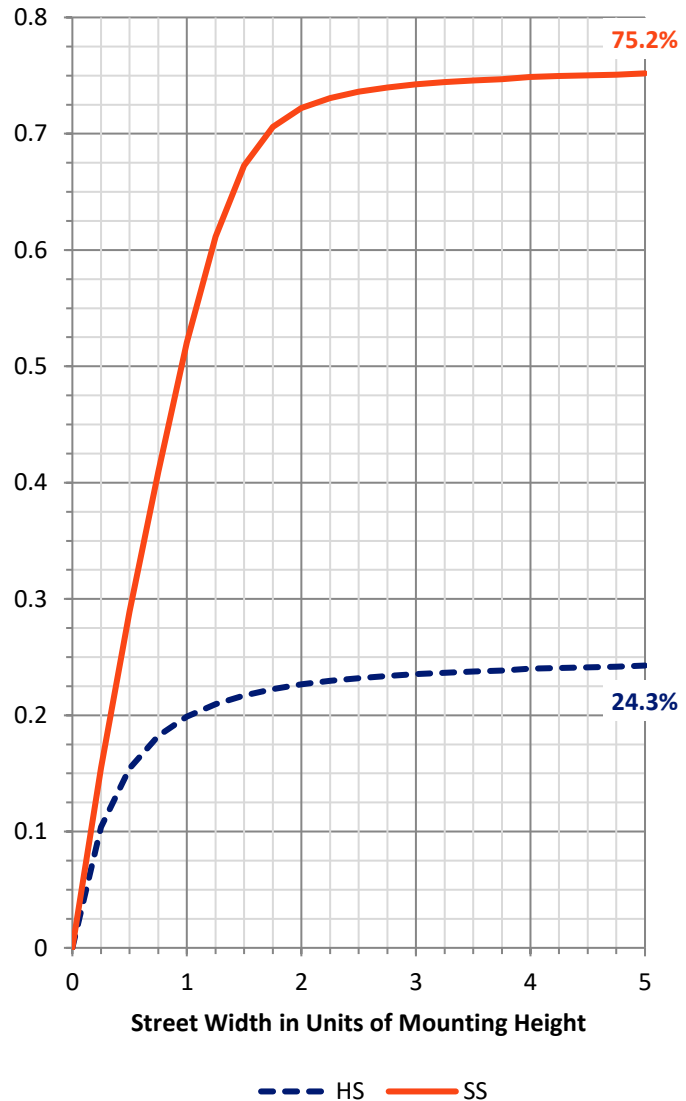
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1178.4 | 0.0 | 1178.4 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| Street Side | Lumens | 3601.6 | 0.0 | 3601.6 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| Total | Lumens | 4780.0 | 0.0 | 4780.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 66.2 | 1.4 |
| 10°-20° | 190.1 | 4.0 |
| 20°-30° | 318.0 | 6.7 |
| 30°-40° | 496.8 | 10.4 |
| 40°-50° | 791.3 | 16.6 |
| 50°-60° | 1101.2 | 23.0 |
| 60°-70° | 1151.9 | 24.1 |
| 70°-80° | 602.0 | 12.6 |
| 80°-90° | 62.5 | 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° | 4780.0 | 100.0 |
| 0°-180° | 4780.0 | 100.0 |

Coefficient of Utilization

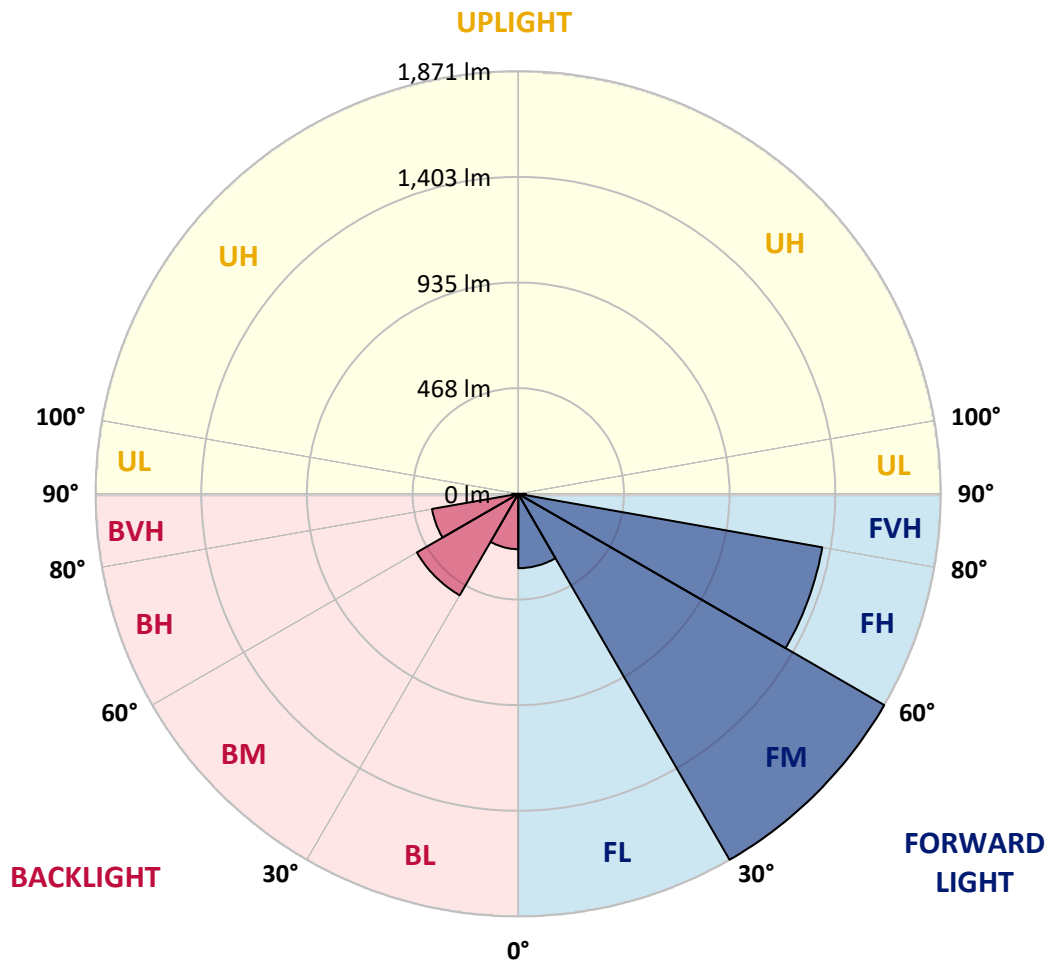


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 329.2 | 6.9 | | | |
| FM (30°-60°) | 1870.8 | 39.1 | | | |
| FH (60°-80°) | 1366.6 | 28.6 | | | G1/1800 |
| FVH (80°-90°) | 35.0 | 0.7 | | | G1/100 |
| BL (0°-30°) | 245.1 | 5.1 | B1/500 | | |
| BM (30°-60°) | 518.4 | 10.8 | B1/1000 | | |
| BH (60°-80°) | 387.3 | 8.1 | B1/500 | | G1/500 |
| BVH (80°-90°) | 27.5 | 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-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 |
| 2.5° | 717.5 | 721.6 | 720.3 | 719.1 | 719.1 | 717.3 | 717.0 | 714.5 | 712.5 | 709.2 |
| 5° | 726.7 | 731.0 | 730.5 | 731.5 | 734.8 | 735.6 | 736.3 | 734.8 | 730.7 | 726.7 |
| 7.5° | 718.6 | 723.4 | 724.9 | 731.0 | 741.1 | 750.3 | 757.1 | 759.9 | 756.1 | 750.3 |
| 10° | 691.2 | 696.5 | 701.8 | 716.3 | 734.3 | 755.8 | 774.1 | 785.0 | 784.3 | 778.7 |
| 12.5° | 635.6 | 641.2 | 652.6 | 680.8 | 713.7 | 751.8 | 785.8 | 808.6 | 816.5 | 812.4 |
| 15° | 591.2 | 596.1 | 604.7 | 633.6 | 676.5 | 734.3 | 790.1 | 834.5 | 854.5 | 852.2 |
| 17.5° | 590.0 | 592.0 | 597.3 | 611.0 | 644.0 | 706.9 | 785.5 | 859.8 | 898.1 | 897.9 |
| 20° | 612.3 | 613.0 | 616.1 | 618.9 | 637.7 | 686.1 | 773.9 | 880.9 | 947.1 | 947.1 |
| 22.5° | 643.2 | 642.7 | 645.8 | 643.2 | 652.4 | 684.3 | 766.5 | 899.4 | 1001.6 | 1005.7 |
| 25° | 689.6 | 687.1 | 686.4 | 680.5 | 682.3 | 700.8 | 774.6 | 920.5 | 1066.3 | 1074.7 |
| 27.5° | 751.5 | 747.5 | 744.7 | 731.2 | 726.7 | 734.8 | 799.5 | 945.8 | 1138.3 | 1152.8 |
| 30° | 832.2 | 824.8 | 820.8 | 797.4 | 781.0 | 782.2 | 837.0 | 979.6 | 1213.7 | 1237.0 |
| 32.5° | 942.3 | 930.9 | 920.0 | 881.7 | 851.5 | 841.6 | 885.5 | 1026.2 | 1295.3 | 1332.6 |
| 35° | 1065.5 | 1056.4 | 1044.7 | 985.6 | 939.2 | 916.4 | 950.9 | 1091.4 | 1391.0 | 1450.1 |
| 37.5° | 1184.2 | 1176.4 | 1182.0 | 1102.3 | 1042.5 | 1009.2 | 1036.6 | 1178.9 | 1508.9 | 1596.2 |
| 40° | 1307.0 | 1300.9 | 1301.7 | 1225.6 | 1155.8 | 1118.6 | 1140.6 | 1288.7 | 1644.1 | 1769.9 |
| 42.5° | 1440.4 | 1435.9 | 1420.6 | 1353.2 | 1274.8 | 1240.0 | 1260.3 | 1415.6 | 1789.2 | 1967.7 |
| 45° | 1589.8 | 1587.0 | 1572.8 | 1495.5 | 1405.7 | 1366.6 | 1394.0 | 1555.6 | 1935.0 | 2153.9 |
| 47.5° | 1718.9 | 1721.2 | 1719.4 | 1654.2 | 1561.2 | 1503.8 | 1536.6 | 1701.7 | 2070.7 | 2328.9 |
| 50° | 1781.1 | 1793.0 | 1810.5 | 1790.2 | 1732.4 | 1674.0 | 1680.4 | 1842.7 | 2200.1 | 2493.0 |
| 52.5° | 1748.6 | 1771.2 | 1818.9 | 1851.3 | 1873.6 | 1861.5 | 1844.5 | 1982.7 | 2321.8 | 2641.2 |
| 55° | 1627.6 | 1659.3 | 1738.4 | 1816.8 | 1930.7 | 2019.2 | 2041.5 | 2137.9 | 2440.5 | 2771.5 |
| 57.5° | 1407.2 | 1458.7 | 1529.7 | 1688.2 | 1880.0 | 2095.6 | 2271.3 | 2353.3 | 2566.3 | 2910.8 |
| 60° | 1029.3 | 1098.3 | 1186.5 | 1422.4 | 1702.4 | 2054.7 | 2466.9 | 2684.0 | 2745.1 | 3091.1 |
| 62.5° | 658.7 | 701.3 | 782.5 | 1004.7 | 1326.5 | 1845.5 | 2526.8 | 3097.5 | 3048.2 | 3386.9 |
| 65° | 451.0 | 478.4 | 552.7 | 677.5 | 857.6 | 1373.7 | 2366.5 | 3407.4 | 3529.7 | 3855.6 |
| 67.5° | 327.7 | 348.5 | 411.9 | 521.2 | 558.8 | 812.9 | 1836.4 | 3393.2 | 3997.6 | 4338.5 |
| 70° | 238.9 | 253.6 | 306.9 | 411.9 | 429.9 | 452.2 | 1112.5 | 2884.4 | 3987.5 | 4466.9 |
| 72.5° | 177.0 | 187.2 | 222.9 | 319.6 | 348.0 | 305.4 | 550.7 | 2096.3 | 3426.4 | 4040.2 |
| 75° | 128.1 | 135.7 | 162.1 | 244.5 | 278.5 | 232.6 | 274.7 | 1225.1 | 2390.1 | 2842.0 |
| 77.5° | 97.9 | 103.7 | 121.0 | 179.1 | 222.9 | 174.5 | 170.4 | 563.6 | 1133.3 | 1138.8 |
| 80° | 78.6 | 82.4 | 91.8 | 126.1 | 171.0 | 130.6 | 111.1 | 227.5 | 358.1 | 303.1 |
| 82.5° | 57.8 | 64.2 | 77.6 | 88.5 | 122.3 | 90.0 | 67.7 | 114.9 | 136.2 | 117.2 |
| 85° | 33.0 | 37.3 | 46.9 | 63.4 | 78.1 | 55.0 | 38.8 | 51.0 | 63.4 | 52.0 |
| 87.5° | 11.7 | 15.2 | 16.5 | 24.9 | 34.0 | 22.8 | 15.0 | 14.7 | 20.8 | 15.5 |
| 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° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 700.8 | 0° | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 | 700.8 |
| 708.4 | 2.5° | 705.9 | 704.6 | 699.5 | 692.7 | 685.6 | 678.7 | 676.5 | 671.6 | 668.3 | 666.6 |
| 724.9 | 5° | 720.1 | 716.0 | 704.1 | 688.9 | 672.9 | 655.7 | 643.5 | 632.3 | 624.2 | 616.6 |
| 747.5 | 7.5° | 740.4 | 733.3 | 712.7 | 686.1 | 657.7 | 629.0 | 607.7 | 591.5 | 580.6 | 573.5 |
| 773.9 | 10° | 764.0 | 753.1 | 721.6 | 681.8 | 637.9 | 596.8 | 571.7 | 557.8 | 550.9 | 547.1 |
| 804.0 | 12.5° | 791.1 | 775.6 | 730.7 | 671.9 | 607.7 | 560.8 | 543.6 | 539.5 | 539.7 | 540.0 |
| 842.1 | 15° | 824.6 | 803.0 | 738.1 | 650.3 | 568.4 | 533.2 | 530.1 | 536.7 | 543.6 | 546.8 |
| 885.2 | 17.5° | 862.4 | 831.9 | 739.4 | 614.8 | 529.9 | 515.4 | 525.0 | 539.2 | 549.6 | 554.2 |
| 933.4 | 20° | 903.0 | 861.4 | 730.2 | 564.6 | 498.1 | 500.9 | 518.2 | 536.4 | 547.9 | 553.7 |
| 988.4 | 22.5° | 949.4 | 892.8 | 708.4 | 511.8 | 472.3 | 485.2 | 505.5 | 523.3 | 535.2 | 541.0 |
| 1053.1 | 25° | 1002.4 | 928.1 | 674.2 | 467.5 | 450.0 | 467.5 | 487.8 | 502.5 | 512.1 | 517.4 |
| 1125.4 | 27.5° | 1061.2 | 964.8 | 628.5 | 432.2 | 430.4 | 449.2 | 465.9 | 477.4 | 482.4 | 486.5 |
| 1202.3 | 30° | 1120.3 | 998.3 | 573.2 | 405.6 | 413.4 | 431.2 | 443.1 | 448.2 | 449.7 | 450.5 |
| 1288.0 | 32.5° | 1184.2 | 1027.2 | 515.1 | 383.5 | 397.2 | 413.7 | 420.8 | 423.1 | 416.0 | 411.2 |
| 1392.0 | 35° | 1261.6 | 1058.2 | 458.3 | 366.0 | 381.2 | 395.4 | 397.7 | 395.7 | 387.3 | 377.4 |
| 1522.3 | 37.5° | 1357.2 | 1096.7 | 412.9 | 353.6 | 366.3 | 375.6 | 372.9 | 372.3 | 373.1 | 361.4 |
| 1679.1 | 40° | 1474.4 | 1147.0 | 379.7 | 343.9 | 354.1 | 356.1 | 348.2 | 352.6 | 356.4 | 338.6 |
| 1851.1 | 42.5° | 1604.5 | 1207.6 | 358.6 | 337.3 | 343.9 | 339.1 | 326.9 | 331.8 | 331.3 | 307.9 |
| 2023.8 | 45° | 1737.2 | 1273.5 | 351.3 | 332.5 | 334.6 | 324.9 | 311.5 | 312.7 | 302.1 | 281.0 |
| 2189.4 | 47.5° | 1869.1 | 1344.3 | 355.9 | 328.5 | 322.9 | 312.0 | 301.6 | 296.0 | 280.3 | 264.5 |
| 2348.2 | 50° | 1998.4 | 1418.6 | 372.6 | 320.3 | 306.9 | 300.6 | 293.0 | 283.1 | 266.3 | 252.9 |
| 2498.4 | 52.5° | 2118.4 | 1493.4 | 391.4 | 306.9 | 286.9 | 290.7 | 285.9 | 274.4 | 258.0 | 244.3 |
| 2640.4 | 55° | 2232.0 | 1568.3 | 398.7 | 288.4 | 268.1 | 282.0 | 279.3 | 258.2 | 238.4 | 227.3 |
| 2789.0 | 57.5° | 2355.8 | 1658.3 | 390.6 | 264.8 | 252.9 | 272.2 | 261.5 | 238.2 | 226.8 | 218.4 |
| 2982.6 | 60° | 2527.3 | 1799.6 | 373.1 | 235.6 | 238.4 | 257.4 | 239.2 | 229.5 | 217.1 | 207.7 |
| 3272.7 | 62.5° | 2812.1 | 2063.1 | 345.0 | 206.7 | 221.4 | 235.6 | 228.5 | 218.9 | 206.2 | 197.1 |
| 3768.8 | 65° | 3233.2 | 2429.4 | 291.9 | 184.1 | 202.4 | 214.3 | 217.1 | 207.5 | 194.3 | 184.7 |
| 4203.6 | 67.5° | 3588.2 | 2659.2 | 220.9 | 165.4 | 182.9 | 197.1 | 204.9 | 195.6 | 181.6 | 172.2 |
| 4305.3 | 70° | 3568.7 | 2492.3 | 168.7 | 146.9 | 165.6 | 180.1 | 190.2 | 182.9 | 167.9 | 159.0 |
| 3910.6 | 72.5° | 3169.7 | 2084.9 | 136.5 | 128.1 | 148.1 | 162.3 | 174.5 | 168.9 | 153.7 | 145.1 |
| 2864.9 | 75° | 2328.7 | 1480.0 | 109.1 | 109.1 | 126.3 | 143.8 | 157.3 | 153.7 | 139.8 | 133.7 |
| 1202.8 | 77.5° | 981.6 | 620.9 | 85.5 | 90.5 | 105.0 | 123.5 | 140.3 | 141.5 | 129.4 | 137.0 |
| 318.1 | 80° | 261.0 | 171.2 | 65.2 | 71.3 | 82.4 | 102.0 | 122.0 | 121.5 | 108.3 | 101.2 |
| 118.2 | 82.5° | 99.4 | 67.5 | 46.4 | 50.2 | 59.6 | 78.1 | 96.6 | 99.7 | 86.5 | 74.8 |
| 46.4 | 85° | 38.3 | 28.9 | 28.7 | 30.2 | 34.7 | 51.7 | 73.0 | 75.6 | 65.2 | 55.3 |
| 12.9 | 87.5° | 9.9 | 8.6 | 10.7 | 10.1 | 16.0 | 27.6 | 41.9 | 43.4 | 39.8 | 23.1 |
| 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/> |
| 700.8 |
| 668.6 |
| 619.6 |
| 575.0 |
| 548.1 |
| 540.5 |
| 546.6 |
| 555.2 |
| 555.2 |
| 542.5 |
| 518.9 |
| 488.0 |
| 452.2 |
| 412.7 |
| 377.9 |
| 362.2 |
| 339.1 |
| 307.7 |
| 281.8 |
| 264.5 |
| 251.9 |
| 244.5 |
| 226.2 |
| 217.6 |
| 207.2 |
| 197.1 |
| 185.2 |
| 172.5 |
| 159.8 |
| 145.1 |
| 131.9 |
| 124.3 |
| 94.1 |
| 74.8 |
| 57.1 |
| 33.0 |
| 0.0 |

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