Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P945205

Luminaire Tested: **GLAN-SB1B-722-U-T3R**

Issue Date: 1/21/2025

Report Generated By 670246001

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**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P945205 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 1/21/2025 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | STREETWORKS |
| Catalog Number: | GLAN-SB1B-722-U-T3R |
| Description: | GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE |
| | (1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS |
| Light Source: | - |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 4777 lumens |
| Efficiency: | N/A |
| Efficacy: | 120.0 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type III - Medium |
| BUG Rating: | B1 - U0 - G1 |

| | |
|---|---|
| Input Watts (W): | 39.8 |
| 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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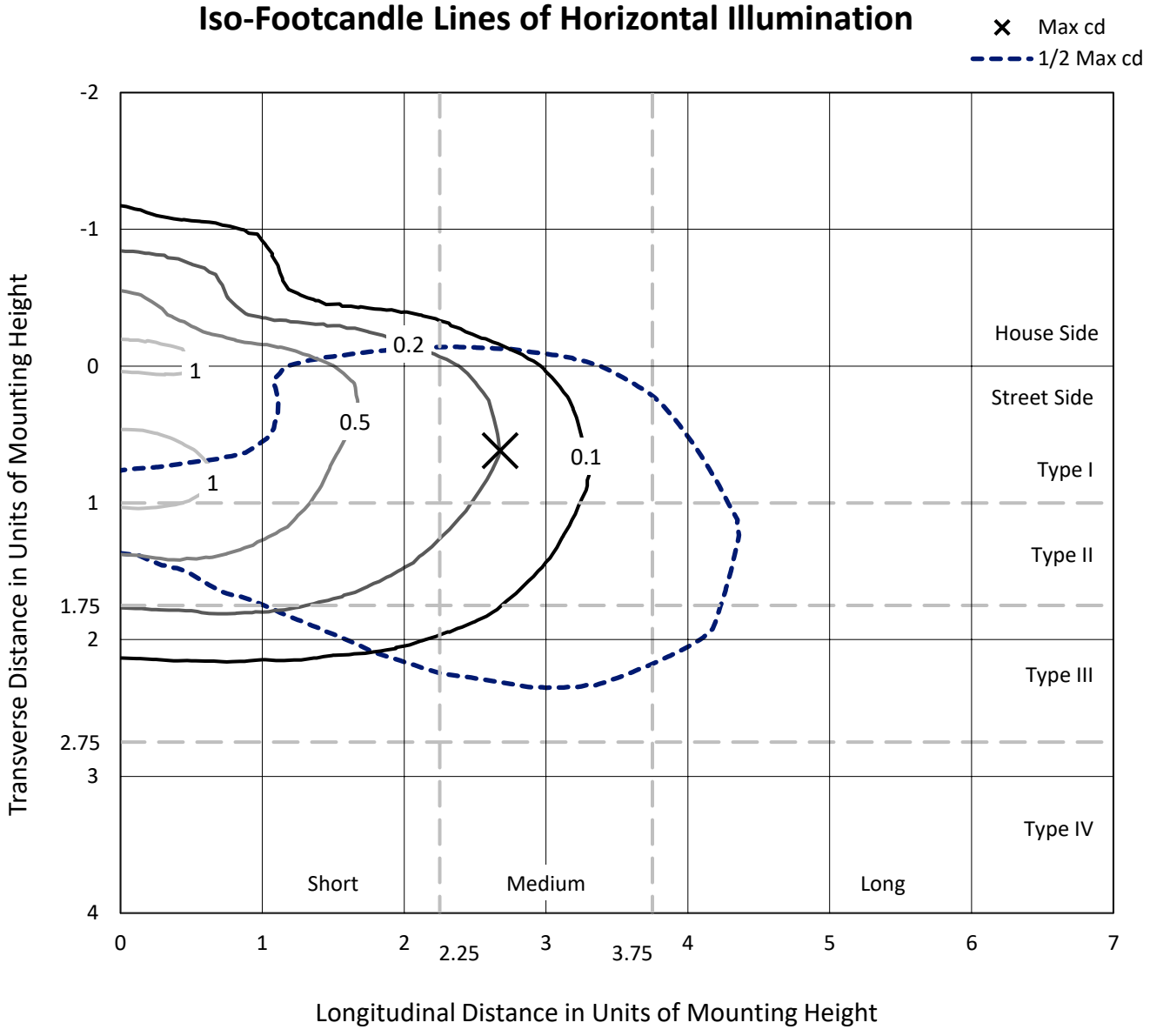
## Iso-Footcandle Lines of Horizontal Illumination




Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type III - Medium - N/A

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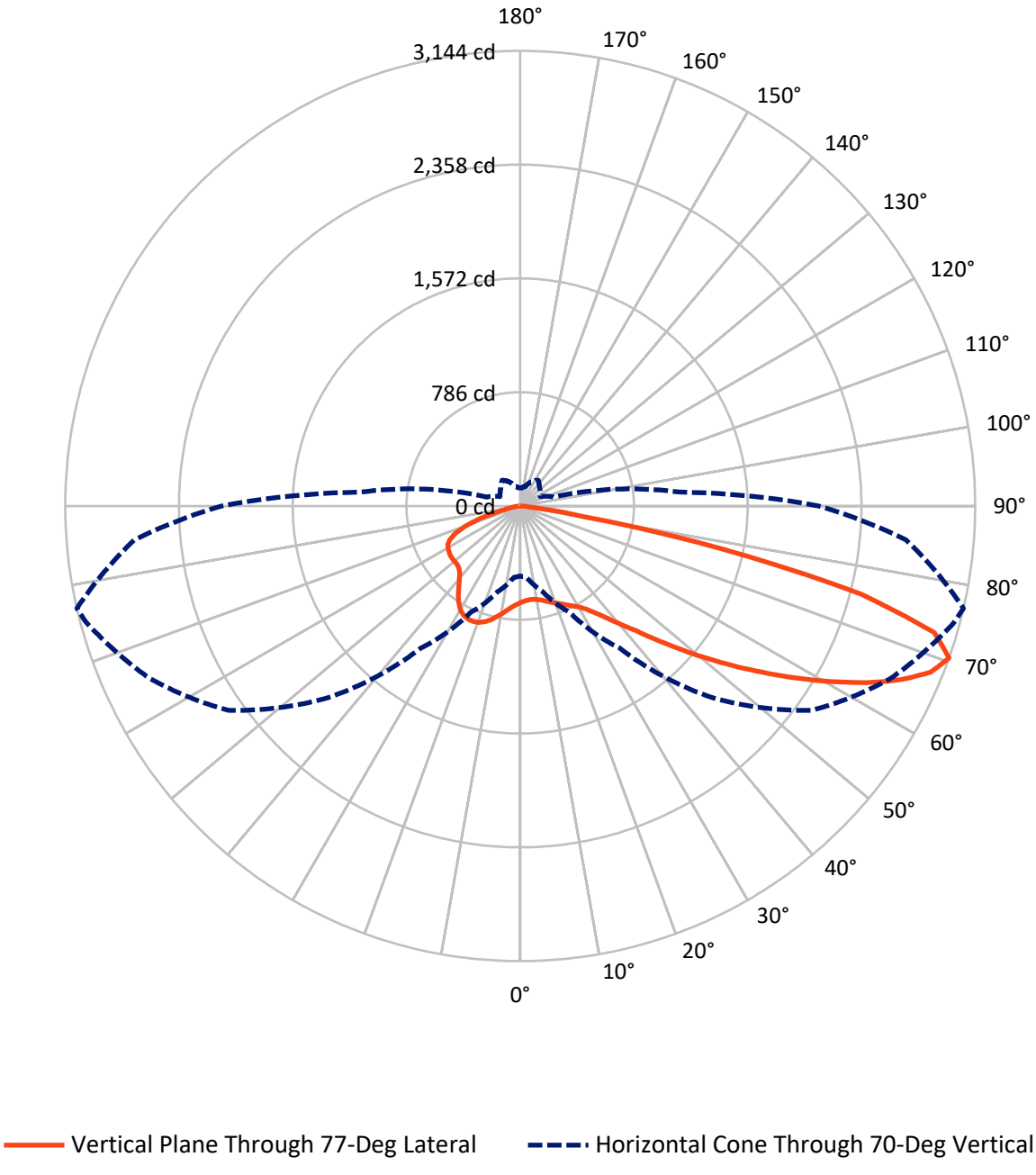
## Luminous Intensity Polar Plot



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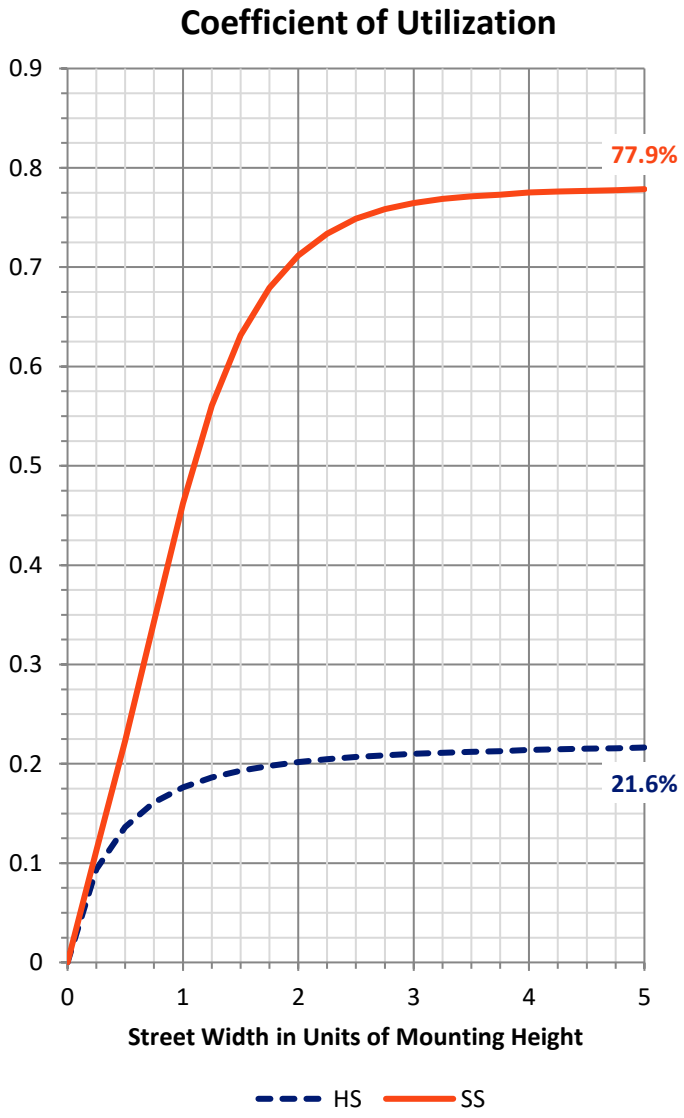
**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1046.1 | 0.0 | 1046.1 |
| | % Fixture | 21.9 | 0.0 | 21.9 |
| **Street Side** | Lumens | 3730.9 | 0.0 | 3730.9 |
| | % Fixture | 78.1 | 0.0 | 78.1 |
| **Total** | Lumens | 4777.0 | 0.0 | 4777.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 63.6 | 1.3 |
| 10°-20° | 183.4 | 3.8 |
| 20°-30° | 313.7 | 6.6 |
| 30°-40° | 504.5 | 10.6 |
| 40°-50° | 787.6 | 16.5 |
| 50°-60° | 1052.1 | 22.0 |
| 60°-70° | 1121.3 | 23.5 |
| 70°-80° | 690.3 | 14.5 |
| 80°-90° | 60.5 | 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° | 4777.0 | 100.0 |
| 0°-180° | 4777.0 | 100.0 |



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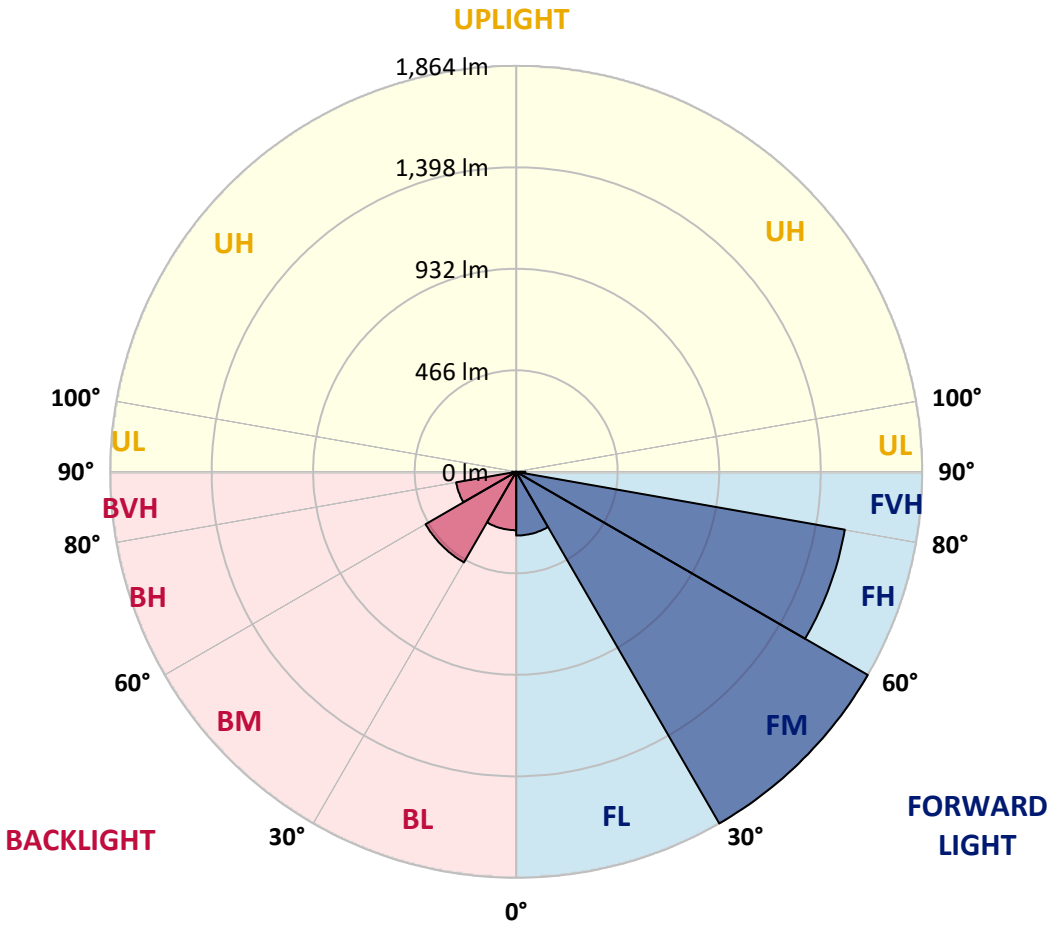
**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 292.7 | 6.1 | | | |
| FM | (30°-60°) | 1863.9 | 39.0 | | | |
| FH | (60°-80°) | 1532.1 | 32.1 | | | G1/1800 |
| FVH | (80°-90°) | 42.3 | 0.9 | | | G1/100 |
| BL | (0°-30°) | 268.0 | 5.6 | B1/500 | | |
| BM | (30°-60°) | 480.3 | 10.1 | B1/1000 | | |
| BH | (60°-80°) | 279.6 | 5.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 18.2 | 0.4 | | | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 666.4 | 666.4 | 666.4 | 666.4 | 666.4 | 666.4 | 666.4 | 666.4 | 666.4 | *666.4* |
| 2.5° | 614.3 | 614.1 | 617.3 | 618.2 | 624.1 | 628.3 | 636.1 | 644.4 | 655.2 | *656.4* |
| 5° | 578.8 | 578.8 | 582.5 | 586.4 | 594.0 | 602.3 | 614.3 | 628.8 | 647.4 | *650.3* |
| 7.5° | 548.8 | 550.7 | 553.9 | 561.5 | 570.3 | 582.3 | 600.6 | 621.2 | 645.6 | *650.3* |
| 10° | 524.5 | 526.7 | 530.7 | 536.8 | 550.0 | 566.6 | 590.6 | 617.0 | 649.8 | *657.1* |
| 12.5° | 517.0 | 519.2 | 521.4 | 526.0 | 538.2 | 557.8 | 586.4 | 619.0 | 659.8 | *667.2* |
| 15° | 534.6 | 537.3 | 535.5 | 534.3 | 540.7 | 558.5 | 588.4 | 626.1 | 672.3 | *682.8* |
| 17.5° | 575.2 | 576.2 | 572.2 | 560.7 | 559.8 | 569.3 | 597.7 | 635.9 | 688.0 | *699.5* |
| 20° | 640.7 | 639.0 | 631.0 | 608.2 | 595.2 | 593.3 | 613.6 | 650.5 | 704.1 | *716.3* |
| 22.5° | 729.8 | 727.8 | 711.7 | 675.7 | 646.9 | 627.8 | 636.6 | 669.6 | 722.2 | *735.9* |
| 25° | 840.9 | 838.2 | 814.5 | 765.5 | 720.7 | 673.5 | 667.9 | 694.8 | 744.5 | *757.2* |
| 27.5° | 970.5 | 968.3 | 942.6 | 878.1 | 813.5 | 736.2 | 706.8 | 724.4 | 767.7 | *782.2* |
| 30° | 1110.0 | 1116.4 | 1070.8 | 1001.4 | 919.7 | 817.9 | 759.2 | 760.9 | 797.8 | *810.8* |
| 32.5° | 1273.9 | 1284.9 | 1230.1 | 1142.0 | 1030.5 | 906.7 | 825.2 | 811.8 | 841.6 | *852.4* |
| 35° | 1436.4 | 1448.8 | 1403.3 | 1306.0 | 1177.5 | 1011.4 | 894.2 | 870.2 | 899.8 | *911.6* |
| 37.5° | 1576.8 | 1593.4 | 1569.9 | 1485.3 | 1334.8 | 1137.6 | 984.2 | 939.0 | 971.5 | *986.2* |
| 40° | 1687.6 | 1713.1 | 1711.3 | 1658.5 | 1520.3 | 1290.8 | 1098.5 | 1023.9 | 1060.6 | *1076.5* |
| 42.5° | 1777.6 | 1799.7 | 1818.8 | 1816.1 | 1713.8 | 1464.7 | 1232.8 | 1134.2 | 1162.1 | *1180.5* |
| 45° | 1839.8 | 1863.3 | 1904.4 | 1948.7 | 1900.0 | 1650.9 | 1386.7 | 1265.1 | 1290.5 | *1318.2* |
| 47.5° | 1895.3 | 1922.0 | 1975.3 | 2045.5 | 2058.0 | 1837.8 | 1555.3 | 1417.5 | 1440.8 | *1469.4* |
| 50° | 1900.2 | 1923.2 | 2005.9 | 2105.5 | 2170.3 | 2017.4 | 1736.3 | 1588.5 | 1610.3 | *1640.9* |
| 52.5° | 1782.1 | 1818.3 | 1962.6 | 2103.8 | 2221.9 | 2167.6 | 1916.1 | 1766.4 | 1790.9 | *1827.6* |
| 55° | 1383.3 | 1436.4 | 1835.6 | 2038.2 | 2203.6 | 2264.8 | 2087.1 | 1955.5 | 1986.8 | *2025.2* |
| 57.5° | 1191.5 | 1214.7 | 1457.2 | 1918.8 | 2119.9 | 2290.0 | 2231.5 | 2146.6 | 2197.0 | *2239.1* |
| 60° | 1070.8 | 1090.2 | 1233.5 | 1733.1 | 2009.8 | 2250.1 | 2343.0 | 2324.7 | 2411.8 | *2461.9* |
| 62.5° | 941.7 | 960.0 | 1090.4 | 1447.1 | 1868.9 | 2183.8 | 2413.5 | 2489.1 | 2632.0 | *2686.8* |
| 65° | 813.5 | 829.1 | 954.1 | 1215.9 | 1689.8 | 2117.5 | 2450.0 | 2631.2 | 2835.8 | *2892.5* |
| 67.5° | 670.6 | 683.6 | 801.7 | 1025.8 | 1472.1 | 2026.7 | 2468.1 | 2743.1 | 3013.1 | *3061.8* |
| 70° | *483.9* | *494.0* | *616.0* | *811.3* | *1198.8* | *1870.6* | *2460.7* | *2822.3* | *3105.1* | *3144.0* |
| 72.5° | 228.8 | 237.8 | 381.2 | 526.7 | 846.7 | 1566.8 | 2312.2 | 2759.4 | 3011.7 | *2992.4* |
| 75° | 122.1 | 129.9 | 219.0 | 288.9 | 447.2 | 1074.0 | 1892.1 | 2377.0 | 2529.0 | *2435.0* |
| 77.5° | 82.7 | 88.8 | 135.5 | 173.5 | 204.3 | 509.9 | 1216.2 | 1645.8 | 1583.4 | *1428.3* |
| 80° | 65.6 | 71.9 | 111.1 | 117.4 | 98.8 | 184.2 | 502.5 | 761.8 | 547.3 | *437.7* |
| 82.5° | 50.4 | 57.5 | 93.5 | 85.1 | 53.8 | 75.6 | 146.3 | 241.0 | 140.2 | *106.7* |
| 85° | 30.8 | 38.4 | 73.4 | 54.3 | 30.3 | 34.5 | 49.7 | 67.0 | 42.8 | *35.7* |
| 87.5° | 15.7 | 22.0 | 37.2 | 19.8 | 13.7 | 8.1 | 13.2 | 13.2 | 11.3 | *9.8* |
| 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° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 666.4 | 0° | 666.4 | 666.4 | 666.4 | 666.4 | 666.4 | 666.4 | 666.4 | 666.4 | 666.4 | 666.4 |
| 663.0 | 2.5° | 668.9 | 673.8 | 682.1 | 689.9 | 696.0 | 701.9 | 707.8 | 711.0 | 711.9 | 715.9 |
| 666.7 | 5° | 676.7 | 685.8 | 701.9 | 717.1 | 726.6 | 732.5 | 736.7 | 739.1 | 739.6 | 740.8 |
| 676.7 | 7.5° | 691.1 | 705.6 | 728.1 | 743.3 | 750.4 | 749.9 | 748.1 | 742.0 | 739.6 | 737.4 |
| 691.4 | 10° | 711.5 | 730.5 | 758.2 | 768.7 | 764.3 | 752.6 | 737.4 | 719.5 | 711.2 | 703.1 |
| 711.5 | 12.5° | 736.7 | 760.9 | 788.0 | 787.5 | 765.8 | 735.7 | 700.4 | 673.0 | 655.7 | 643.2 |
| 736.2 | 15° | 767.2 | 795.1 | 815.9 | 799.3 | 751.6 | 697.5 | 645.9 | 610.2 | 594.5 | 580.8 |
| 761.1 | 17.5° | 798.8 | 828.6 | 838.2 | 795.6 | 715.9 | 641.0 | 582.5 | 554.4 | 539.0 | 531.6 |
| 788.0 | 20° | 829.6 | 859.2 | 851.4 | 774.6 | 661.5 | 576.9 | 524.8 | 509.4 | 506.2 | 507.9 |
| 814.2 | 22.5° | 862.2 | 888.6 | 854.1 | 734.0 | 592.3 | 511.3 | 482.7 | 483.2 | 490.3 | 495.4 |
| 841.6 | 25° | 895.4 | 913.3 | 847.0 | 675.2 | 517.9 | 463.1 | 456.0 | 463.9 | 477.8 | 487.8 |
| 872.4 | 27.5° | 927.5 | 935.3 | 831.6 | 602.6 | 454.1 | 428.6 | 429.9 | 446.0 | 467.0 | 481.0 |
| 909.9 | 30° | 963.7 | 954.9 | 802.0 | 520.9 | 409.8 | 399.0 | 409.3 | 428.1 | 449.2 | 461.7 |
| 957.1 | 32.5° | 1004.5 | 971.8 | 755.0 | 445.3 | 378.5 | 375.3 | 392.2 | 404.4 | 413.7 | 417.4 |
| 1019.7 | 35° | 1055.4 | 995.5 | 694.8 | 392.2 | 350.3 | 357.9 | 374.1 | 368.0 | 364.3 | 362.3 |
| 1103.9 | 37.5° | 1121.5 | 1027.5 | 624.4 | 357.7 | 327.6 | 345.5 | 352.1 | 333.0 | 318.5 | 311.4 |
| 1205.9 | 40° | 1201.0 | 1074.5 | 556.6 | 331.0 | 313.2 | 334.7 | 323.2 | 300.2 | 281.8 | 271.8 |
| 1320.6 | 42.5° | 1289.3 | 1123.7 | 499.6 | 311.0 | 305.1 | 325.9 | 301.9 | 274.5 | 244.9 | 241.7 |
| 1457.4 | 45° | 1382.0 | 1174.3 | 460.7 | 295.5 | 301.2 | 318.3 | 289.7 | 245.4 | 224.3 | 237.3 |
| 1594.6 | 47.5° | 1474.8 | 1220.8 | 437.2 | 284.0 | 299.2 | 309.7 | 278.9 | 229.2 | 214.3 | 233.2 |
| 1741.7 | 50° | 1578.0 | 1262.4 | 426.7 | 275.7 | 297.0 | 306.3 | 262.8 | 225.1 | 203.8 | 216.3 |
| 1893.9 | 52.5° | 1680.5 | 1294.7 | 418.8 | 267.4 | 293.8 | 303.6 | 254.9 | 220.2 | 191.1 | 191.8 |
| 2047.0 | 55° | 1782.8 | 1315.7 | 410.3 | 256.4 | 286.7 | 297.7 | 254.2 | 214.8 | 181.5 | 178.1 |
| 2209.0 | 57.5° | 1891.9 | 1327.7 | 399.8 | 244.2 | 274.5 | 282.8 | 253.5 | 210.6 | 178.6 | 173.0 |
| 2374.6 | 60° | 2003.0 | 1345.3 | 386.1 | 229.2 | 258.1 | 265.0 | 251.7 | 209.2 | 176.9 | 167.3 |
| 2530.7 | 62.5° | 2102.5 | 1351.5 | 369.7 | 215.1 | 237.1 | 247.3 | 248.1 | 208.0 | 172.2 | 155.8 |
| 2660.4 | 65° | 2167.9 | 1325.0 | 341.0 | 198.9 | 214.3 | 229.2 | 241.0 | 203.8 | 163.9 | 147.5 |
| 2724.5 | 67.5° | 2165.2 | 1249.7 | 296.3 | 178.1 | 192.3 | 209.2 | 230.7 | 196.7 | 153.9 | 137.3 |
| *2676.0* | 70° | *2064.4* | *1100.9* | *239.5* | *153.9* | *168.1* | *187.6* | *217.5* | *186.2* | *141.9* | *126.0* |
| 2379.5 | 72.5° | 1770.6 | 861.7 | 173.9 | 125.5 | 139.9 | 165.4 | 200.4 | 173.5 | 129.7 | 116.0 |
| 1758.6 | 75° | 1264.9 | 545.3 | 117.9 | 96.4 | 108.9 | 140.2 | 179.1 | 158.5 | 118.4 | 116.5 |
| 880.8 | 77.5° | 646.1 | 260.6 | 78.0 | 70.5 | 75.8 | 110.6 | 150.5 | 141.7 | 120.1 | 96.1 |
| 250.5 | 80° | 210.2 | 96.1 | 49.2 | 48.0 | 50.4 | 73.6 | 116.5 | 116.2 | 91.0 | 65.3 |
| 60.7 | 82.5° | 67.0 | 41.3 | 32.0 | 30.8 | 29.6 | 46.2 | 81.2 | 92.0 | 61.4 | 41.3 |
| 21.8 | 85° | 26.7 | 24.7 | 18.8 | 17.4 | 12.5 | 21.8 | 42.6 | 61.2 | 45.8 | 29.8 |
| 5.6 | 87.5° | 9.8 | 9.8 | 5.1 | 3.7 | 2.7 | 7.3 | 11.5 | 18.3 | 26.2 | 15.4 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END O

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| 180° |
|---|
| 666.4 |
| 718.1 |
| 742.8 |
| 737.9 |
| 700.7 |
| 640.3 |
| 579.3 |
| 533.8 |
| 507.2 |
| 496.6 |
| 490.5 |
| 484.4 |
| 464.6 |
| 419.3 |
| 364.3 |
| 313.2 |
| 272.5 |
| 244.9 |
| 244.2 |
| 242.0 |
| 225.6 |
| 196.9 |
| 180.6 |
| 173.7 |
| 168.1 |
| 155.8 |
| 147.5 |
| 138.0 |
| *127.5* |
| 115.2 |
| 109.8 |
| 85.6 |
| 57.7 |
| 41.1 |
| 30.6 |
| 15.2 |
| 0.0 |

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