

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: P938732

Luminaire Tested: **GLAN-SB1A-730-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938732  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

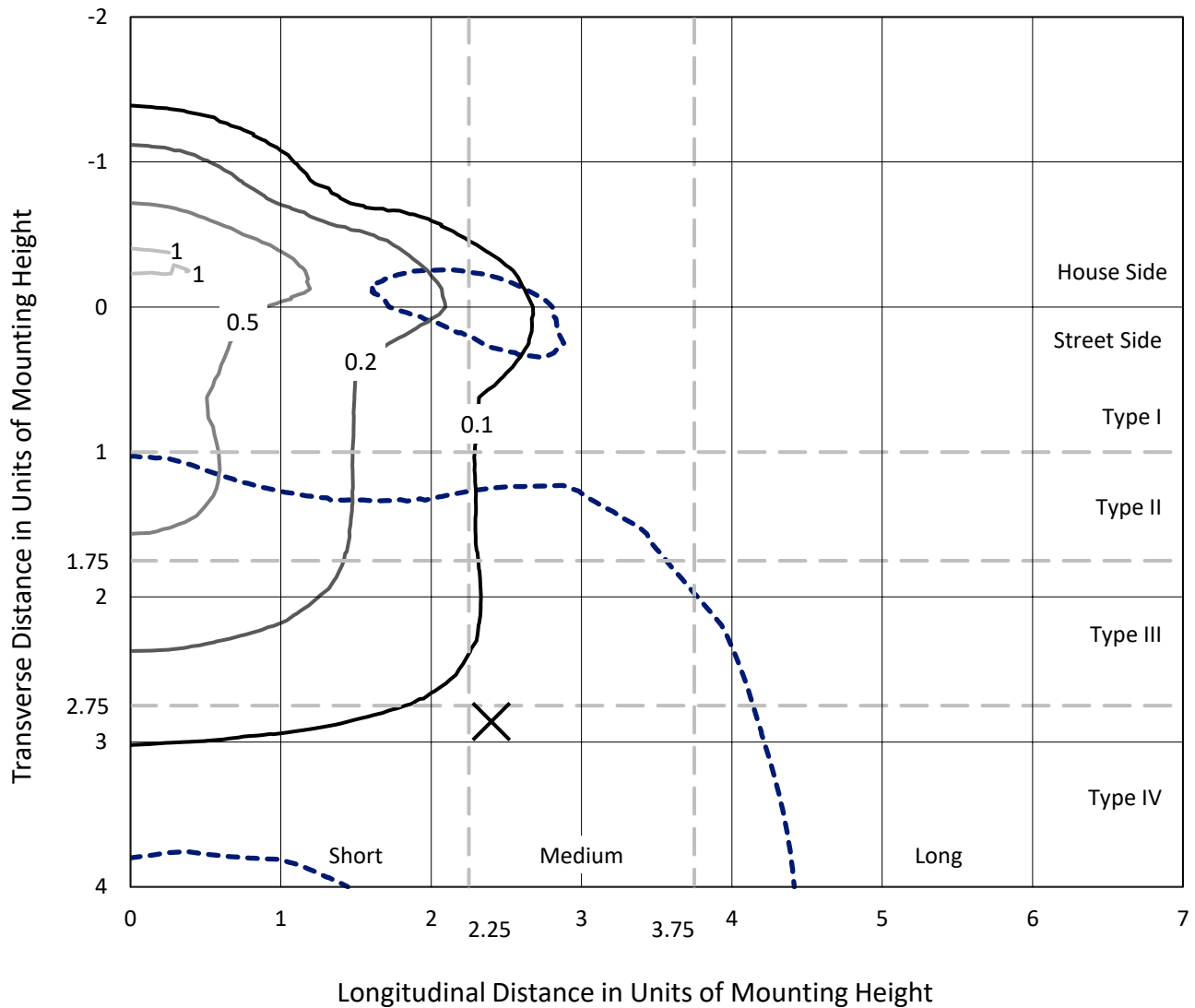
Lumens per Lamp: N/A  
Luminaire Lumens: 4448 lumens  
Efficiency: N/A  
Efficacy: 143.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

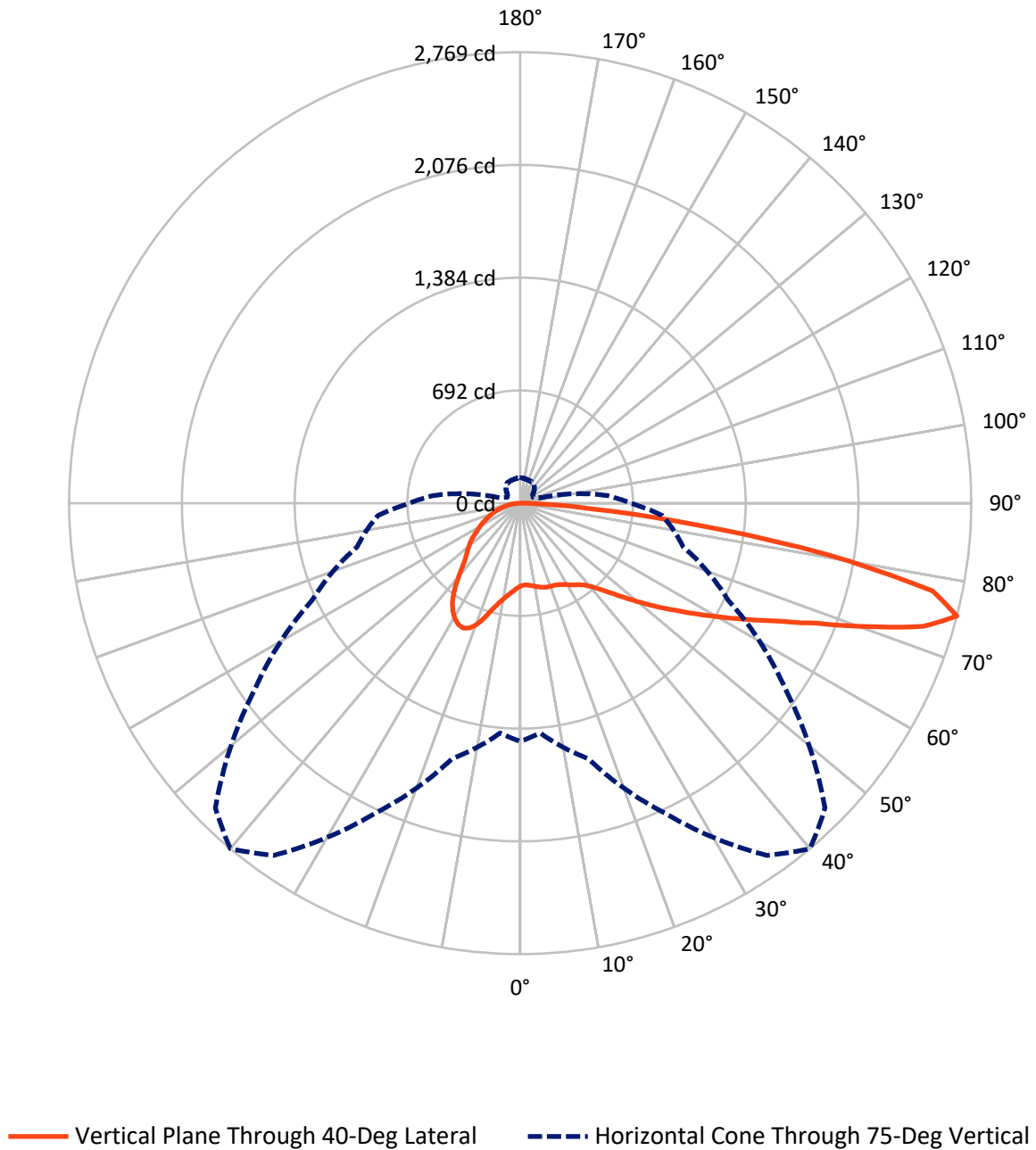
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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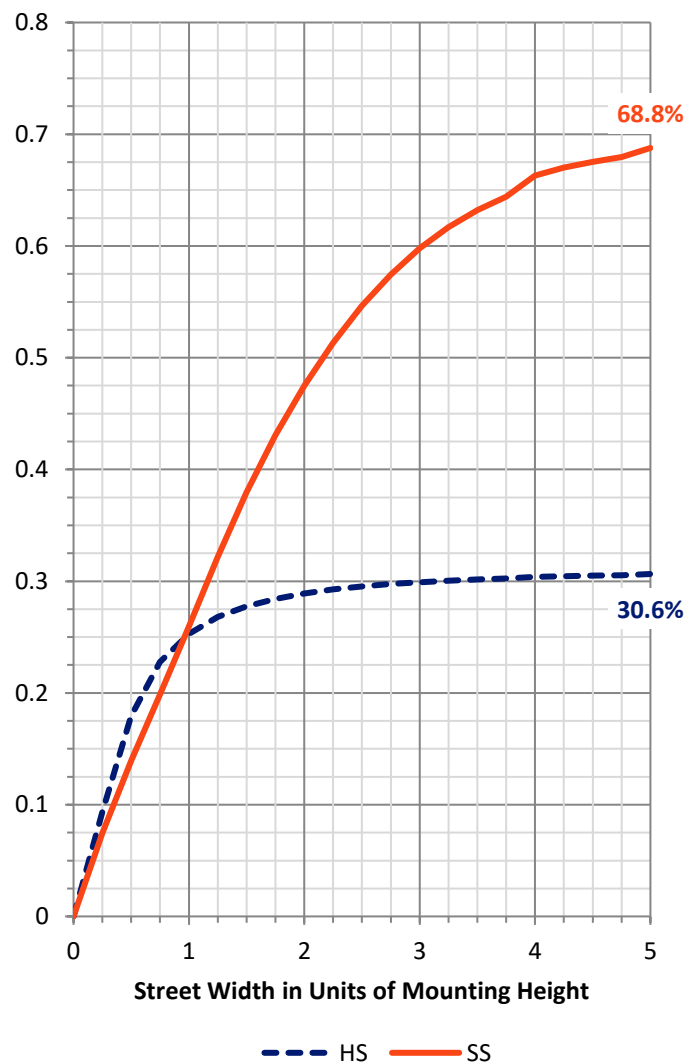
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1378.1   | 0.0    | 1378.1 |
|                    | % Fixture | 31.0     | 0.0    | 31.0   |
| <b>Street Side</b> | Lumens    | 3069.9   | 0.0    | 3069.9 |
|                    | % Fixture | 69.0     | 0.0    | 69.0   |
| <b>Total</b>       | Lumens    | 4448.0   | 0.0    | 4448.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.8   | 1.1       |
| 10°-20°   | 170.5  | 3.8       |
| 20°-30°   | 311.3  | 7.0       |
| 30°-40°   | 441.4  | 9.9       |
| 40°-50°   | 596.1  | 13.4      |
| 50°-60°   | 801.9  | 18.0      |
| 60°-70°   | 1017.8 | 22.9      |
| 70°-80°   | 923.7  | 20.8      |
| 80°-90°   | 134.6  | 3.0       |
| 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°    | 4448.0 | 100.0     |
| 0°-180°   | 4448.0 | 100.0     |

**Coefficient of Utilization**



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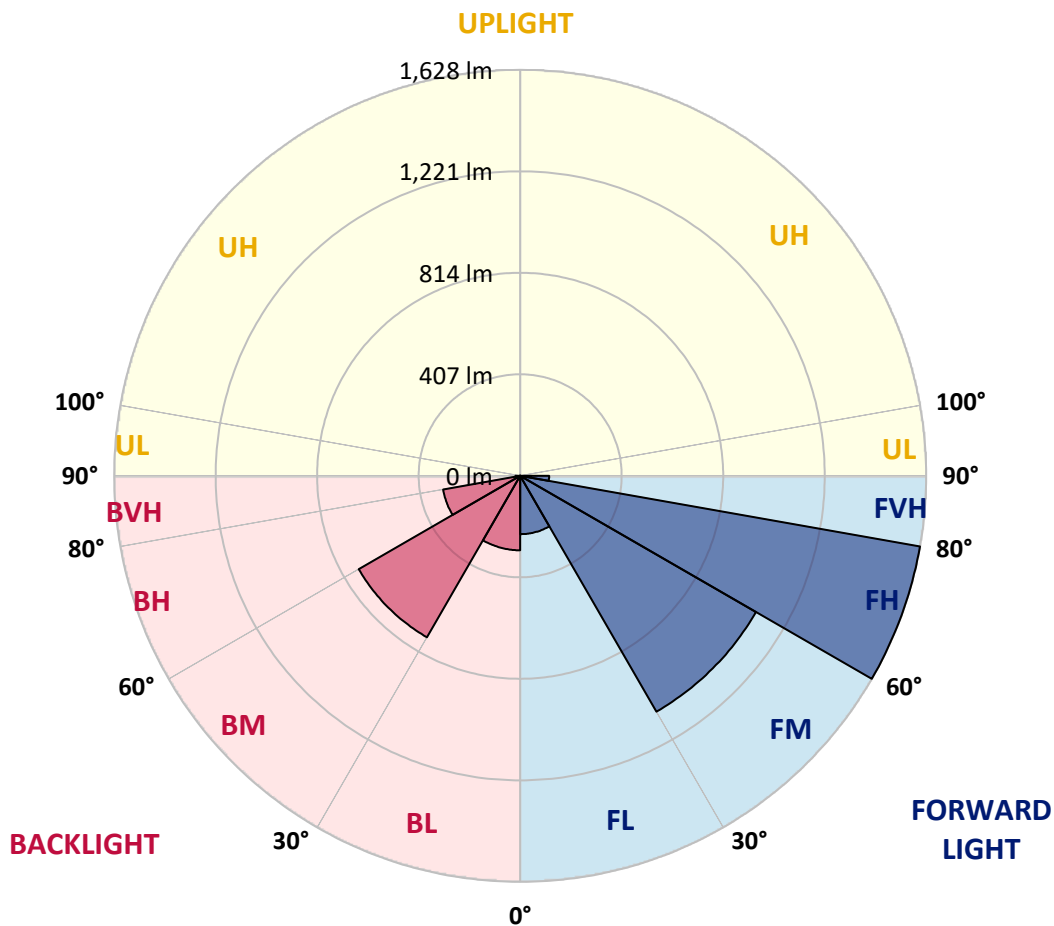
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 234.0  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 1091.9 | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 1627.9 | 36.6      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 116.1  | 2.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 298.5  | 6.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 747.5  | 16.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 313.6  | 7.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 18.5   | 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-G2**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 508.6  | 508.6  | 508.6  | 508.6  | 508.6  | 508.6  | 508.6  | 508.6  | 508.6  | 508.6  |
| 2.5°  | 500.8  | 503.7  | 503.0  | 502.0  | 502.0  | 502.3  | 502.0  | 503.7  | 505.3  | 507.0  |
| 5°    | 506.0  | 508.9  | 507.5  | 506.3  | 505.3  | 505.1  | 504.4  | 504.2  | 505.1  | 507.2  |
| 7.5°  | 516.2  | 519.0  | 516.9  | 514.8  | 512.9  | 511.9  | 511.0  | 509.6  | 508.9  | 510.1  |
| 10°   | 527.5  | 530.3  | 527.7  | 524.0  | 520.9  | 519.7  | 518.8  | 517.4  | 516.4  | 517.1  |
| 12.5° | 538.8  | 541.7  | 538.1  | 532.9  | 528.9  | 528.2  | 527.0  | 526.6  | 526.3  | 526.1  |
| 15°   | 549.4  | 551.8  | 547.3  | 541.2  | 536.9  | 535.8  | 534.6  | 535.3  | 536.5  | 537.9  |
| 17.5° | 557.7  | 560.1  | 553.5  | 545.4  | 541.4  | 541.0  | 540.2  | 542.6  | 545.9  | 549.4  |
| 20°   | 565.3  | 567.6  | 559.1  | 548.3  | 543.6  | 543.6  | 543.8  | 548.7  | 553.5  | 558.6  |
| 22.5° | 575.9  | 577.8  | 567.4  | 552.5  | 545.7  | 546.1  | 548.0  | 553.0  | 558.9  | 566.0  |
| 25°   | 591.7  | 593.1  | 580.4  | 560.5  | 552.8  | 554.2  | 555.8  | 558.2  | 563.8  | 572.1  |
| 27.5° | 617.2  | 618.3  | 601.6  | 574.7  | 562.9  | 565.3  | 567.6  | 566.0  | 568.6  | 575.6  |
| 30°   | 653.0  | 653.7  | 632.5  | 596.9  | 580.1  | 581.3  | 581.8  | 574.9  | 570.0  | 575.6  |
| 32.5° | 695.5  | 695.2  | 670.0  | 623.8  | 599.7  | 598.5  | 594.5  | 581.1  | 569.5  | 574.5  |
| 35°   | 761.3  | 758.7  | 726.1  | 661.5  | 621.9  | 614.6  | 605.1  | 587.9  | 571.9  | 573.3  |
| 37.5° | 870.3  | 862.3  | 817.2  | 723.3  | 654.9  | 636.3  | 622.3  | 599.0  | 577.1  | 572.8  |
| 40°   | 993.2  | 983.1  | 933.5  | 808.0  | 704.4  | 674.5  | 652.1  | 614.8  | 585.5  | 574.9  |
| 42.5° | 1139.0 | 1124.6 | 1071.3 | 907.8  | 767.2  | 723.8  | 690.1  | 634.8  | 598.0  | 581.8  |
| 45°   | 1318.1 | 1299.0 | 1223.5 | 1020.3 | 846.2  | 788.4  | 743.4  | 665.3  | 617.2  | 595.0  |
| 47.5° | 1499.0 | 1503.7 | 1396.4 | 1149.1 | 941.1  | 868.2  | 810.1  | 711.1  | 645.0  | 616.2  |
| 50°   | 1691.3 | 1694.6 | 1568.4 | 1291.9 | 1048.6 | 958.3  | 885.2  | 762.2  | 683.7  | 646.4  |
| 52.5° | 1841.3 | 1841.8 | 1724.5 | 1441.2 | 1160.7 | 1057.4 | 966.1  | 820.8  | 728.5  | 686.5  |
| 55°   | 1935.2 | 1934.0 | 1834.0 | 1582.5 | 1289.5 | 1161.4 | 1055.7 | 887.3  | 783.2  | 733.7  |
| 57.5° | 2003.4 | 1999.9 | 1909.5 | 1704.0 | 1426.8 | 1284.3 | 1157.2 | 962.8  | 847.9  | 789.8  |
| 60°   | 2029.3 | 2027.2 | 1960.7 | 1809.0 | 1571.2 | 1420.2 | 1274.2 | 1047.2 | 921.3  | 856.1  |
| 62.5° | 2039.3 | 2043.3 | 2010.9 | 1910.7 | 1725.7 | 1570.7 | 1402.8 | 1148.2 | 1003.8 | 931.2  |
| 65°   | 2074.2 | 2081.5 | 2074.9 | 2043.7 | 1900.3 | 1747.0 | 1573.3 | 1268.3 | 1093.9 | 1011.6 |
| 67.5° | 2143.3 | 2150.6 | 2153.4 | 2203.0 | 2113.6 | 1966.6 | 1786.1 | 1417.9 | 1199.4 | 1095.1 |
| 70°   | 2141.6 | 2139.5 | 2189.5 | 2329.7 | 2380.6 | 2270.7 | 2073.0 | 1601.9 | 1325.1 | 1164.5 |
| 72.5° | 1949.4 | 1932.4 | 2050.6 | 2328.3 | 2602.9 | 2588.2 | 2423.3 | 1839.2 | 1433.7 | 1173.0 |
| 75°   | 1462.4 | 1417.1 | 1625.9 | 2098.2 | 2639.9 | 2768.5 | 2646.0 | 1986.4 | 1407.9 | 1036.4 |
| 77.5° | 625.4  | 579.9  | 825.9  | 1553.3 | 2362.7 | 2588.0 | 2441.7 | 1733.0 | 1123.9 | 685.3  |
| 80°   | 163.7  | 163.5  | 249.6  | 704.2  | 1606.8 | 1911.2 | 1676.7 | 1119.2 | 642.2  | 244.9  |
| 82.5° | 67.7   | 66.1   | 91.8   | 273.9  | 785.1  | 1072.5 | 875.2  | 499.2  | 231.9  | 66.3   |
| 85°   | 25.2   | 25.0   | 44.6   | 94.6   | 277.0  | 442.3  | 320.1  | 127.6  | 57.8   | 32.3   |
| 87.5° | 7.1    | 6.8    | 9.7    | 32.8   | 67.5   | 102.4  | 54.7   | 21.0   | 16.3   | 12.7   |
| 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°  |
|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 508.6  | 0°    | 508.6  | 508.6  | 508.6  | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 |
| 509.6  | 2.5°  | 510.3  | 511.5  | 513.6  | 515.2 | 517.4 | 519.7 | 523.0 | 525.1 | 527.3 | 528.7 |
| 510.8  | 5°    | 512.4  | 515.0  | 520.4  | 525.9 | 532.2 | 538.1 | 545.0 | 549.9 | 553.9 | 555.1 |
| 515.0  | 7.5°  | 517.1  | 521.4  | 530.6  | 539.8 | 549.9 | 559.6 | 569.5 | 578.0 | 584.8 | 587.4 |
| 522.6  | 10°   | 525.4  | 531.0  | 544.0  | 557.0 | 570.4 | 585.3 | 598.0 | 610.3 | 620.0 | 624.0 |
| 531.5  | 12.5° | 535.8  | 542.8  | 559.8  | 577.8 | 596.4 | 616.9 | 633.4 | 648.5 | 660.6 | 666.0 |
| 544.0  | 15°   | 549.2  | 558.4  | 580.1  | 604.2 | 631.5 | 660.1 | 681.1 | 697.8 | 711.3 | 717.9 |
| 557.0  | 17.5° | 563.8  | 576.1  | 603.5  | 639.8 | 679.0 | 716.5 | 741.0 | 753.3 | 767.2 | 773.6 |
| 569.0  | 20°   | 578.0  | 593.1  | 632.3  | 685.1 | 737.2 | 777.1 | 796.9 | 800.2 | 801.2 | 801.9 |
| 580.4  | 22.5° | 592.6  | 612.9  | 668.3  | 742.2 | 798.1 | 825.7 | 828.5 | 814.4 | 794.6 | 785.4 |
| 591.4  | 25°   | 608.7  | 635.6  | 715.5  | 805.2 | 850.5 | 853.8 | 832.1 | 797.6 | 760.1 | 742.9 |
| 600.4  | 27.5° | 624.2  | 661.7  | 772.2  | 865.3 | 888.2 | 859.2 | 812.5 | 763.7 | 718.4 | 700.2 |
| 606.8  | 30°   | 639.8  | 691.7  | 834.7  | 917.9 | 905.4 | 845.8 | 781.6 | 727.1 | 681.6 | 662.5 |
| 612.4  | 32.5° | 655.6  | 726.6  | 906.6  | 955.9 | 902.4 | 817.2 | 743.1 | 686.0 | 645.9 | 625.9 |
| 617.4  | 35°   | 673.5  | 769.6  | 974.8  | 976.7 | 881.9 | 775.2 | 692.4 | 637.0 | 602.1 | 586.0 |
| 623.3  | 37.5° | 696.9  | 824.1  | 1035.0 | 981.9 | 846.0 | 713.6 | 629.4 | 578.9 | 550.2 | 542.8 |
| 632.0  | 40°   | 725.9  | 889.6  | 1081.0 | 973.6 | 792.9 | 638.9 | 560.5 | 520.2 | 503.9 | 505.6 |
| 643.8  | 42.5° | 763.7  | 963.0  | 1113.3 | 952.4 | 719.1 | 561.7 | 500.1 | 482.2 | 490.0 | 496.6 |
| 661.5  | 45°   | 812.7  | 1039.2 | 1133.3 | 916.3 | 635.6 | 496.4 | 464.5 | 468.8 | 474.7 | 475.4 |
| 690.1  | 47.5° | 875.5  | 1116.4 | 1146.6 | 861.8 | 550.4 | 450.4 | 441.9 | 442.8 | 441.6 | 436.7 |
| 732.8  | 50°   | 953.8  | 1191.4 | 1158.3 | 789.6 | 478.0 | 421.6 | 410.3 | 407.0 | 390.7 | 374.6 |
| 789.6  | 52.5° | 1043.0 | 1260.3 | 1163.3 | 700.0 | 421.6 | 397.5 | 379.1 | 358.4 | 327.9 | 323.0 |
| 861.1  | 55°   | 1142.1 | 1324.0 | 1150.6 | 589.8 | 374.2 | 366.6 | 338.8 | 313.8 | 310.5 | 306.2 |
| 955.2  | 57.5° | 1260.5 | 1392.6 | 1124.6 | 466.9 | 325.6 | 330.5 | 303.4 | 306.2 | 300.3 | 293.7 |
| 1076.2 | 60°   | 1390.0 | 1463.6 | 1079.1 | 354.8 | 275.3 | 285.5 | 294.2 | 294.0 | 292.3 | 286.9 |
| 1203.9 | 62.5° | 1506.6 | 1510.3 | 989.4  | 271.8 | 231.2 | 250.5 | 274.4 | 274.1 | 272.7 | 269.7 |
| 1337.2 | 65°   | 1575.9 | 1503.3 | 839.9  | 214.0 | 194.9 | 221.8 | 247.5 | 249.4 | 249.6 | 249.4 |
| 1437.4 | 67.5° | 1563.7 | 1420.4 | 634.6  | 170.3 | 164.9 | 192.5 | 220.8 | 223.4 | 225.3 | 225.8 |
| 1450.2 | 70°   | 1424.9 | 1238.6 | 413.8  | 135.9 | 138.2 | 166.8 | 195.6 | 198.2 | 199.8 | 201.7 |
| 1258.4 | 72.5° | 1110.7 | 910.6  | 236.9  | 109.9 | 114.9 | 144.6 | 170.6 | 173.6 | 174.6 | 178.1 |
| 875.7  | 75°   | 676.8  | 535.5  | 127.9  | 86.6  | 94.4  | 123.6 | 145.8 | 149.3 | 151.0 | 155.2 |
| 430.1  | 77.5° | 321.8  | 231.9  | 72.9   | 67.5  | 76.0  | 101.0 | 123.1 | 127.2 | 122.7 | 125.0 |
| 118.7  | 80°   | 108.8  | 86.1   | 46.0   | 51.4  | 58.0  | 78.8  | 98.6  | 102.6 | 93.2  | 92.7  |
| 39.4   | 82.5° | 38.0   | 34.9   | 29.3   | 34.2  | 37.5  | 56.4  | 74.5  | 79.7  | 69.4  | 69.1  |
| 17.7   | 85°   | 14.9   | 14.2   | 16.3   | 18.6  | 22.4  | 34.7  | 49.1  | 51.7  | 42.7  | 34.4  |
| 5.2    | 87.5° | 3.1    | 3.3    | 4.0    | 4.2   | 6.8   | 12.0  | 17.7  | 21.7  | 17.2  | 14.6  |
| 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°  |
|-------|
| 508.6 |
| 527.7 |
| 555.6 |
| 587.7 |
| 624.2 |
| 666.0 |
| 717.4 |
| 773.3 |
| 803.8 |
| 788.0 |
| 745.5 |
| 702.3 |
| 664.6 |
| 628.5 |
| 589.6 |
| 548.0 |
| 511.2 |
| 502.7 |
| 480.1 |
| 440.5 |
| 376.8 |
| 324.6 |
| 306.9 |
| 292.5 |
| 285.0 |
| 268.5 |
| 249.4 |
| 226.2 |
| 202.7 |
| 179.5 |
| 155.7 |
| 123.1 |
| 91.8  |
| 65.8  |
| 34.0  |
| 13.4  |
| 0.0   |

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