

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: P938715

Luminaire Tested: **GLAN-SB1A-722-U-T2**

Issue Date: 1/21/2025

#### Test Information

Test Method: LM-79-08  
Report Number: P938715  
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-SB1A-722-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

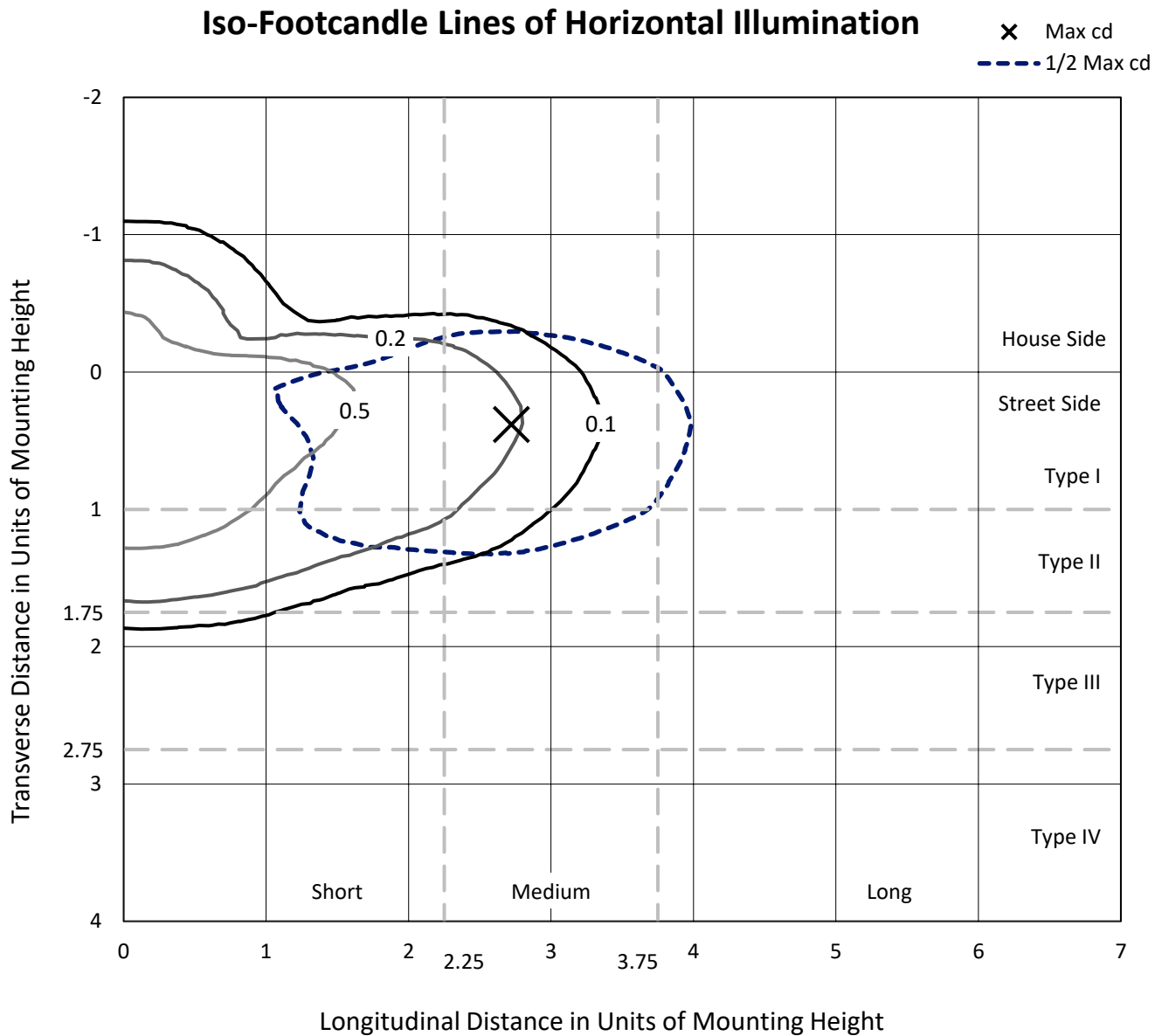
#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3673 lumens  
Efficiency: N/A  
Efficacy: 118.9 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): 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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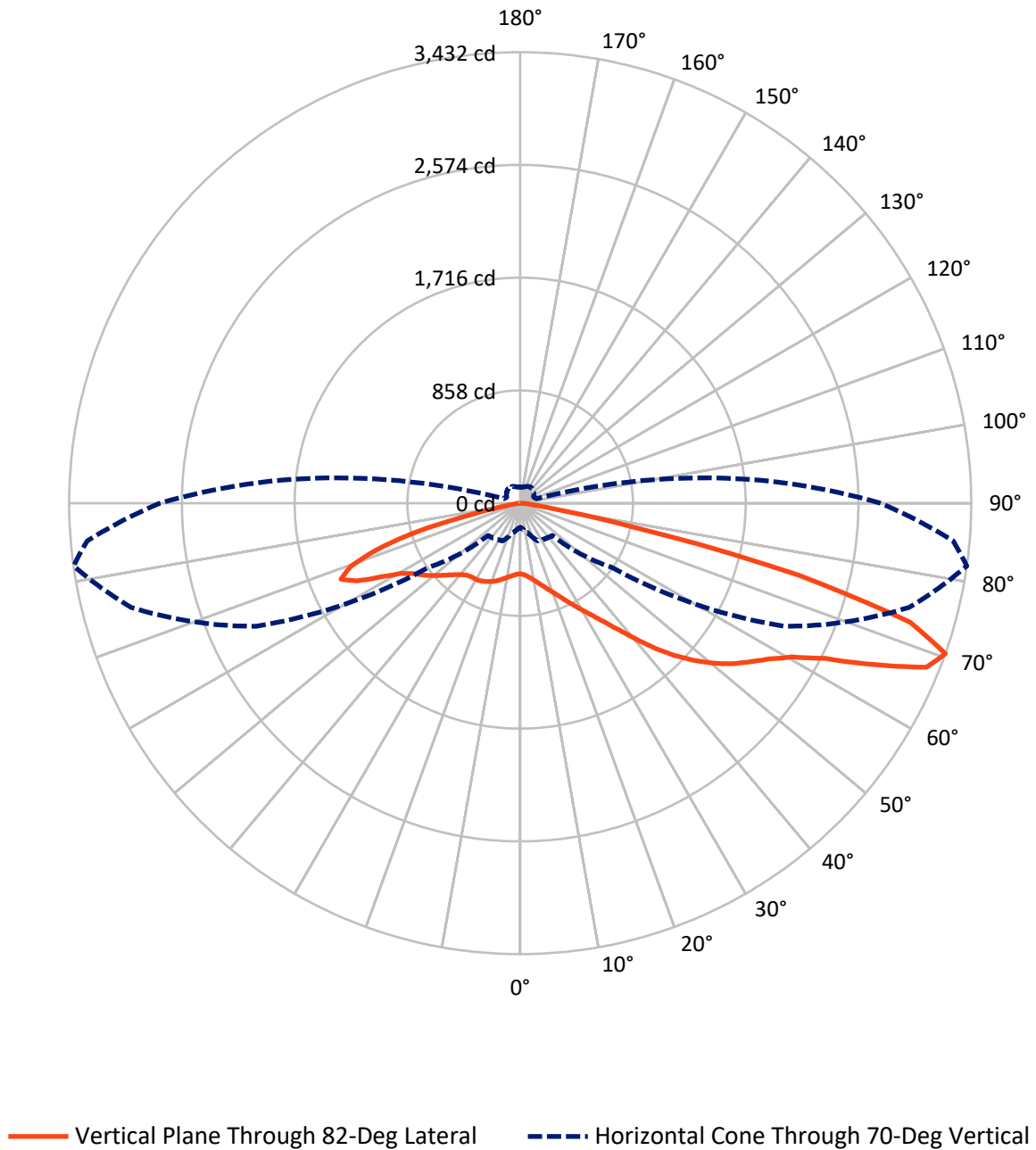


Based on 25 foot mounting height. Maximum calculated value = 1 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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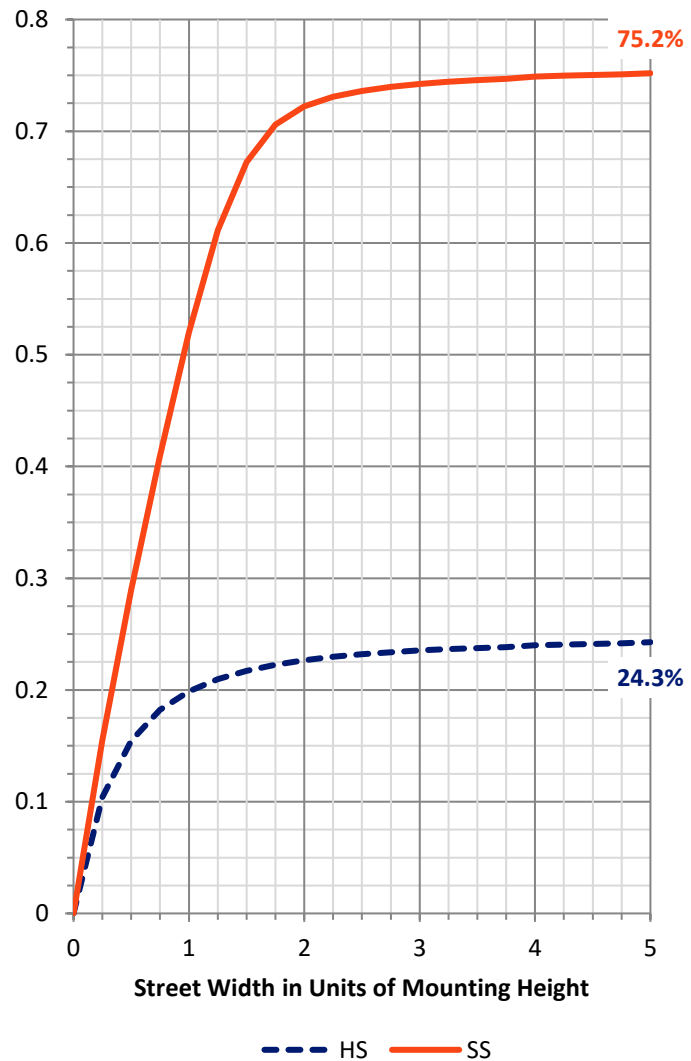
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 905.5    | 0.0    | 905.5  |
|                    | % Fixture | 24.7     | 0.0    | 24.7   |
| <b>Street Side</b> | Lumens    | 2767.5   | 0.0    | 2767.5 |
|                    | % Fixture | 75.3     | 0.0    | 75.3   |
| <b>Total</b>       | Lumens    | 3673.0   | 0.0    | 3673.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.8   | 1.4       |
| 10°-20°   | 146.1  | 4.0       |
| 20°-30°   | 244.4  | 6.7       |
| 30°-40°   | 381.8  | 10.4      |
| 40°-50°   | 608.0  | 16.6      |
| 50°-60°   | 846.1  | 23.0      |
| 60°-70°   | 885.1  | 24.1      |
| 70°-80°   | 462.6  | 12.6      |
| 80°-90°   | 48.0   | 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°    | 3673.0 | 100.0     |
| 0°-180°   | 3673.0 | 100.0     |

**Coefficient of Utilization**



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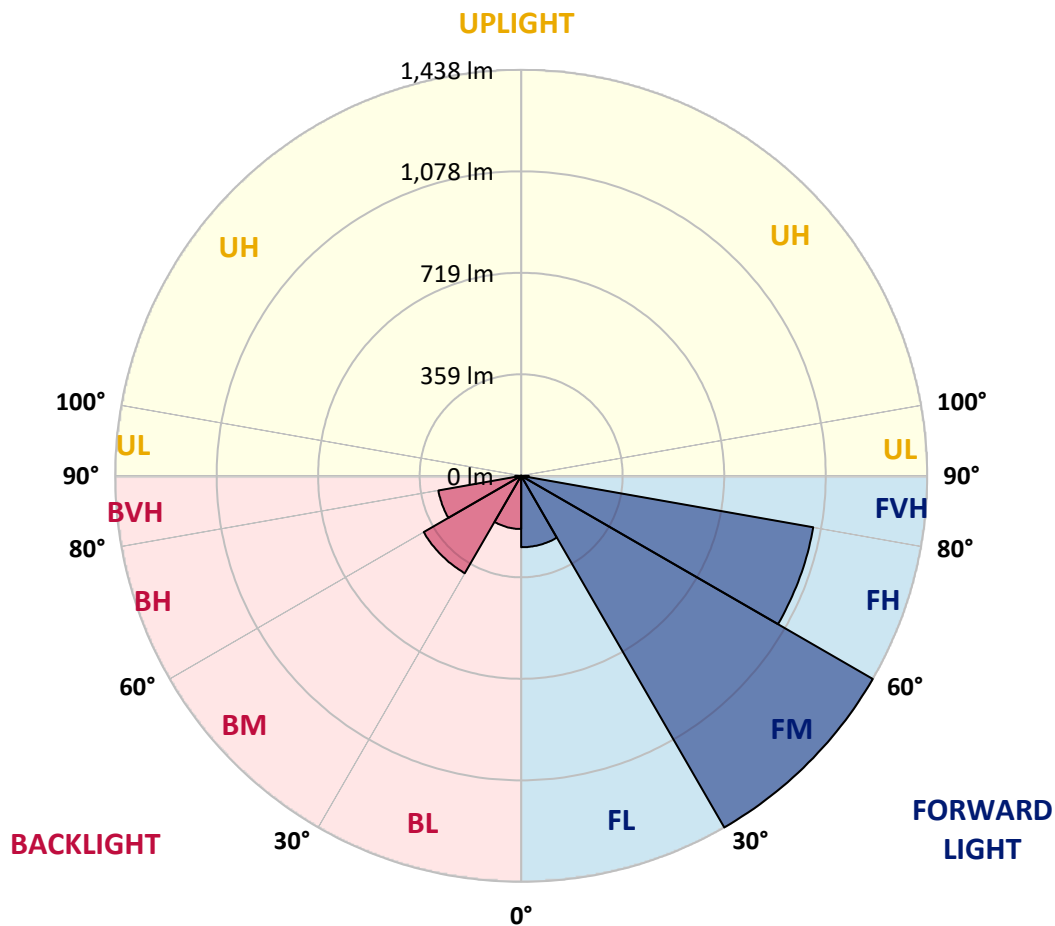
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 252.9  | 6.9       |                         |      |         |
| FM   | (30°-60°)   | 1437.6 | 39.1      |                         |      |         |
| FH   | (60°-80°)   | 1050.1 | 28.6      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 26.9   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 188.4  | 5.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 398.4  | 10.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 297.6  | 8.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 21.1   | 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°    | 538.5  | 538.5  | 538.5  | 538.5  | 538.5  | 538.5  | 538.5  | 538.5  | 538.5  | 538.5  |
| 2.5°  | 551.4  | 554.5  | 553.5  | 552.5  | 552.5  | 551.2  | 551.0  | 549.0  | 547.5  | 544.9  |
| 5°    | 558.4  | 561.7  | 561.3  | 562.1  | 564.6  | 565.2  | 565.8  | 564.6  | 561.5  | 558.4  |
| 7.5°  | 552.2  | 555.9  | 557.0  | 561.7  | 569.5  | 576.5  | 581.8  | 583.9  | 581.0  | 576.5  |
| 10°   | 531.1  | 535.2  | 539.3  | 550.4  | 564.2  | 580.8  | 594.8  | 603.2  | 602.6  | 598.3  |
| 12.5° | 488.4  | 492.7  | 501.5  | 523.1  | 548.4  | 577.7  | 603.8  | 621.3  | 627.4  | 624.3  |
| 15°   | 454.3  | 458.0  | 464.6  | 486.9  | 519.8  | 564.2  | 607.1  | 641.2  | 656.6  | 654.9  |
| 17.5° | 453.3  | 454.9  | 459.0  | 469.5  | 494.9  | 543.2  | 603.6  | 660.7  | 690.1  | 689.9  |
| 20°   | 470.5  | 471.1  | 473.4  | 475.6  | 490.0  | 527.2  | 594.6  | 676.9  | 727.8  | 727.8  |
| 22.5° | 494.3  | 493.9  | 496.2  | 494.3  | 501.3  | 525.8  | 589.0  | 691.1  | 769.7  | 772.8  |
| 25°   | 529.9  | 528.0  | 527.4  | 522.9  | 524.3  | 538.5  | 595.2  | 707.3  | 819.4  | 825.8  |
| 27.5° | 577.5  | 574.4  | 572.2  | 561.9  | 558.4  | 564.6  | 614.3  | 726.8  | 874.7  | 885.8  |
| 30°   | 639.5  | 633.8  | 630.7  | 612.8  | 600.1  | 601.1  | 643.2  | 752.7  | 932.6  | 950.5  |
| 32.5° | 724.1  | 715.3  | 706.9  | 677.5  | 654.3  | 646.7  | 680.4  | 788.6  | 995.4  | 1024.0 |
| 35°   | 818.8  | 811.8  | 802.8  | 757.4  | 721.7  | 704.2  | 730.7  | 838.7  | 1068.8 | 1114.2 |
| 37.5° | 910.0  | 903.9  | 908.2  | 847.0  | 801.0  | 775.5  | 796.6  | 905.9  | 1159.5 | 1226.5 |
| 40°   | 1004.3 | 999.6  | 1000.2 | 941.8  | 888.2  | 859.5  | 876.5  | 990.3  | 1263.3 | 1360.0 |
| 42.5° | 1106.8 | 1103.3 | 1091.6 | 1039.8 | 979.6  | 952.9  | 968.5  | 1087.7 | 1374.8 | 1512.0 |
| 45°   | 1221.6 | 1219.5 | 1208.6 | 1149.1 | 1080.1 | 1050.1 | 1071.2 | 1195.3 | 1486.9 | 1655.1 |
| 47.5° | 1320.8 | 1322.6 | 1321.2 | 1271.1 | 1199.6 | 1155.6 | 1180.7 | 1307.6 | 1591.2 | 1789.6 |
| 50°   | 1368.6 | 1377.7 | 1391.2 | 1375.6 | 1331.2 | 1286.3 | 1291.2 | 1415.9 | 1690.6 | 1915.7 |
| 52.5° | 1343.6 | 1361.0 | 1397.6 | 1422.6 | 1439.7 | 1430.4 | 1417.3 | 1523.5 | 1784.1 | 2029.5 |
| 55°   | 1250.7 | 1275.0 | 1335.8 | 1396.1 | 1483.6 | 1551.6 | 1568.7 | 1642.8 | 1875.3 | 2129.7 |
| 57.5° | 1081.3 | 1120.9 | 1175.4 | 1297.3 | 1444.6 | 1610.3 | 1745.3 | 1808.3 | 1972.0 | 2236.7 |
| 60°   | 790.9  | 843.9  | 911.7  | 1093.0 | 1308.2 | 1578.9 | 1895.6 | 2062.4 | 2109.4 | 2375.2 |
| 62.5° | 506.2  | 538.9  | 601.3  | 772.0  | 1019.3 | 1418.1 | 1941.6 | 2380.1 | 2342.3 | 2602.5 |
| 65°   | 346.5  | 367.6  | 424.7  | 520.6  | 659.0  | 1055.6 | 1818.4 | 2618.3 | 2712.2 | 2962.7 |
| 67.5° | 251.8  | 267.8  | 316.5  | 400.5  | 429.4  | 624.7  | 1411.1 | 2607.4 | 3071.8 | 3333.8 |
| 70°   | 183.6  | 194.9  | 235.8  | 316.5  | 330.4  | 347.5  | 854.8  | 2216.4 | 3064.0 | 3432.4 |
| 72.5° | 136.0  | 143.8  | 171.3  | 245.6  | 267.4  | 234.7  | 423.1  | 1610.8 | 2632.9 | 3104.6 |
| 75°   | 98.4   | 104.3  | 124.5  | 187.9  | 214.0  | 178.7  | 211.1  | 941.4  | 1836.5 | 2183.9 |
| 77.5° | 75.2   | 79.7   | 93.0   | 137.6  | 171.3  | 134.1  | 131.0  | 433.1  | 870.8  | 875.1  |
| 80°   | 60.4   | 63.3   | 70.6   | 96.9   | 131.4  | 100.4  | 85.4   | 174.8  | 275.2  | 232.9  |
| 82.5° | 44.4   | 49.3   | 59.6   | 68.0   | 93.9   | 69.2   | 52.0   | 88.3   | 104.7  | 90.0   |
| 85°   | 25.3   | 28.7   | 36.1   | 48.7   | 60.0   | 42.3   | 29.8   | 39.2   | 48.7   | 40.0   |
| 87.5° | 9.0    | 11.7   | 12.7   | 19.1   | 26.1   | 17.5   | 11.5   | 11.3   | 16.0   | 11.9   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 538.5  | 0°    | 538.5  | 538.5  | 538.5 | 538.5 | 538.5 | 538.5 | 538.5 | 538.5 | 538.5 | 538.5 |
| 544.4  | 2.5°  | 542.4  | 541.4  | 537.5 | 532.3 | 526.8 | 521.6 | 519.8 | 516.1 | 513.6 | 512.2 |
| 557.0  | 5°    | 553.3  | 550.2  | 541.0 | 529.3 | 517.1 | 503.8 | 494.5 | 485.9 | 479.6 | 473.8 |
| 574.4  | 7.5°  | 568.9  | 563.5  | 547.7 | 527.2 | 505.4 | 483.4 | 467.0 | 454.5 | 446.1 | 440.7 |
| 594.6  | 10°   | 587.0  | 578.7  | 554.5 | 523.9 | 490.2 | 458.6 | 439.3 | 428.6 | 423.3 | 420.4 |
| 617.8  | 12.5° | 607.9  | 596.0  | 561.5 | 516.3 | 467.0 | 430.9 | 417.7 | 414.6 | 414.7 | 414.9 |
| 647.1  | 15°   | 633.6  | 617.1  | 567.2 | 499.7 | 436.8 | 409.7 | 407.3 | 412.4 | 417.7 | 420.2 |
| 680.2  | 17.5° | 662.7  | 639.3  | 568.1 | 472.4 | 407.1 | 396.0 | 403.4 | 414.4 | 422.3 | 425.9 |
| 717.2  | 20°   | 693.8  | 661.9  | 561.1 | 433.8 | 382.8 | 384.9 | 398.2 | 412.2 | 421.0 | 425.5 |
| 759.5  | 22.5° | 729.5  | 686.0  | 544.4 | 393.3 | 362.9 | 372.8 | 388.4 | 402.1 | 411.2 | 415.7 |
| 809.2  | 25°   | 770.2  | 713.1  | 518.0 | 359.2 | 345.8 | 359.2 | 374.8 | 386.1 | 393.5 | 397.6 |
| 864.8  | 27.5° | 815.5  | 741.4  | 483.0 | 332.1 | 330.7 | 345.2 | 358.0 | 366.8 | 370.7 | 373.8 |
| 923.8  | 30°   | 860.9  | 767.1  | 440.5 | 311.6 | 317.7 | 331.3 | 340.5 | 344.4 | 345.6 | 346.1 |
| 989.7  | 32.5° | 910.0  | 789.3  | 395.8 | 294.7 | 305.2 | 317.9 | 323.3 | 325.1 | 319.6 | 315.9 |
| 1069.6 | 35°   | 969.4  | 813.1  | 352.2 | 281.2 | 292.9 | 303.8 | 305.6 | 304.0 | 297.6 | 290.0 |
| 1169.8 | 37.5° | 1042.9 | 842.7  | 317.3 | 271.7 | 281.4 | 288.6 | 286.5 | 286.1 | 286.7 | 277.7 |
| 1290.2 | 40°   | 1133.0 | 881.3  | 291.8 | 264.3 | 272.1 | 273.6 | 267.6 | 270.9 | 273.8 | 260.2 |
| 1422.4 | 42.5° | 1232.9 | 927.9  | 275.6 | 259.2 | 264.3 | 260.6 | 251.2 | 254.9 | 254.5 | 236.6 |
| 1555.1 | 45°   | 1334.9 | 978.6  | 269.9 | 255.5 | 257.1 | 249.7 | 239.3 | 240.3 | 232.1 | 215.9 |
| 1682.4 | 47.5° | 1436.2 | 1033.0 | 273.4 | 252.4 | 248.1 | 239.7 | 231.7 | 227.4 | 215.4 | 203.3 |
| 1804.4 | 50°   | 1535.6 | 1090.1 | 286.3 | 246.2 | 235.8 | 231.0 | 225.1 | 217.5 | 204.6 | 194.3 |
| 1919.8 | 52.5° | 1627.8 | 1147.6 | 300.7 | 235.8 | 220.4 | 223.4 | 219.7 | 210.9 | 198.2 | 187.7 |
| 2028.9 | 55°   | 1715.1 | 1205.1 | 306.4 | 221.6 | 206.0 | 216.7 | 214.6 | 198.4 | 183.2 | 174.6 |
| 2143.1 | 57.5° | 1810.2 | 1274.3 | 300.1 | 203.5 | 194.3 | 209.1 | 200.9 | 183.0 | 174.2 | 167.8 |
| 2291.8 | 60°   | 1942.0 | 1382.8 | 286.7 | 181.1 | 183.2 | 197.8 | 183.8 | 176.4 | 166.8 | 159.6 |
| 2514.8 | 62.5° | 2160.9 | 1585.3 | 265.1 | 158.8 | 170.1 | 181.1 | 175.6 | 168.2 | 158.5 | 151.4 |
| 2896.0 | 65°   | 2484.4 | 1866.7 | 224.3 | 141.5 | 155.5 | 164.7 | 166.8 | 159.4 | 149.3 | 141.9 |
| 3230.1 | 67.5° | 2757.2 | 2043.3 | 169.8 | 127.1 | 140.5 | 151.4 | 157.5 | 150.3 | 139.5 | 132.3 |
| 3308.2 | 70°   | 2742.2 | 1915.1 | 129.6 | 112.8 | 127.3 | 138.4 | 146.2 | 140.5 | 129.0 | 122.2 |
| 3005.0 | 72.5° | 2435.7 | 1602.1 | 104.9 | 98.4  | 113.8 | 124.7 | 134.1 | 129.8 | 118.1 | 111.5 |
| 2201.4 | 75°   | 1789.4 | 1137.2 | 83.8  | 83.8  | 97.1  | 110.5 | 120.8 | 118.1 | 107.4 | 102.7 |
| 924.2  | 77.5° | 754.3  | 477.1  | 65.7  | 69.6  | 80.7  | 94.9  | 107.8 | 108.8 | 99.4  | 105.2 |
| 244.4  | 80°   | 200.6  | 131.6  | 50.1  | 54.8  | 63.3  | 78.3  | 93.7  | 93.4  | 83.2  | 77.8  |
| 90.8   | 82.5° | 76.4   | 51.8   | 35.7  | 38.6  | 45.8  | 60.0  | 74.3  | 76.6  | 66.5  | 57.5  |
| 35.7   | 85°   | 29.4   | 22.2   | 22.0  | 23.2  | 26.7  | 39.8  | 56.1  | 58.1  | 50.1  | 42.5  |
| 9.9    | 87.5° | 7.6    | 6.6    | 8.2   | 7.8   | 12.3  | 21.2  | 32.2  | 33.3  | 30.6  | 17.7  |
| 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°  |
|-------|
| 538.5 |
| 513.8 |
| 476.1 |
| 441.8 |
| 421.2 |
| 415.3 |
| 420.0 |
| 426.6 |
| 426.6 |
| 416.9 |
| 398.8 |
| 375.0 |
| 347.5 |
| 317.1 |
| 290.4 |
| 278.3 |
| 260.6 |
| 236.4 |
| 216.5 |
| 203.3 |
| 193.5 |
| 187.9 |
| 173.9 |
| 167.2 |
| 159.2 |
| 151.4 |
| 142.3 |
| 132.5 |
| 122.8 |
| 111.5 |
| 101.3 |
| 95.5  |
| 72.3  |
| 57.5  |
| 43.9  |
| 25.3  |
| 0.0   |

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