

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: P938845

Luminaire Tested: **GLAN-SB1A-930-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938845  
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-930-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

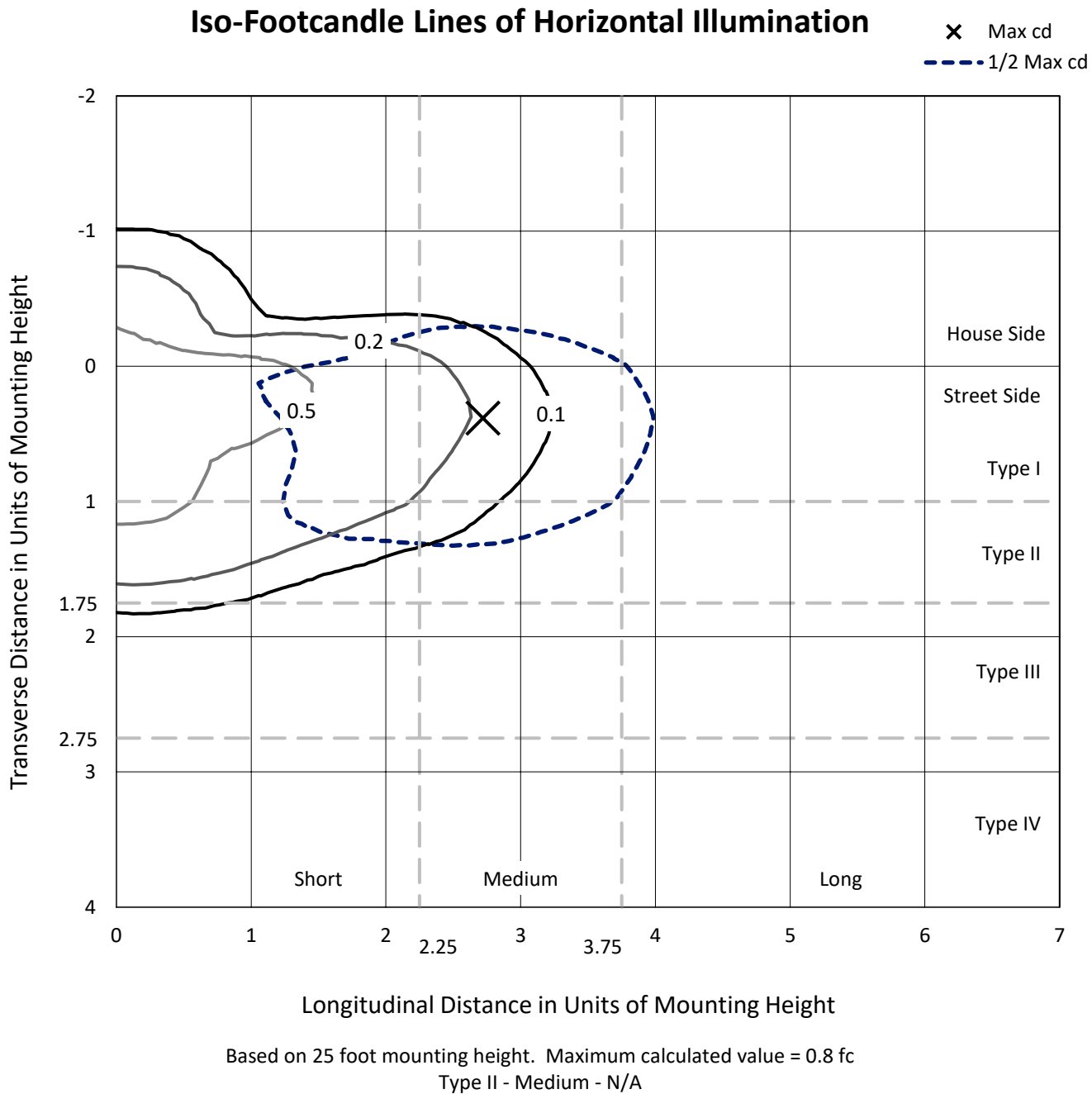
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3093 lumens  
Efficiency: N/A  
Efficacy: 100.1 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

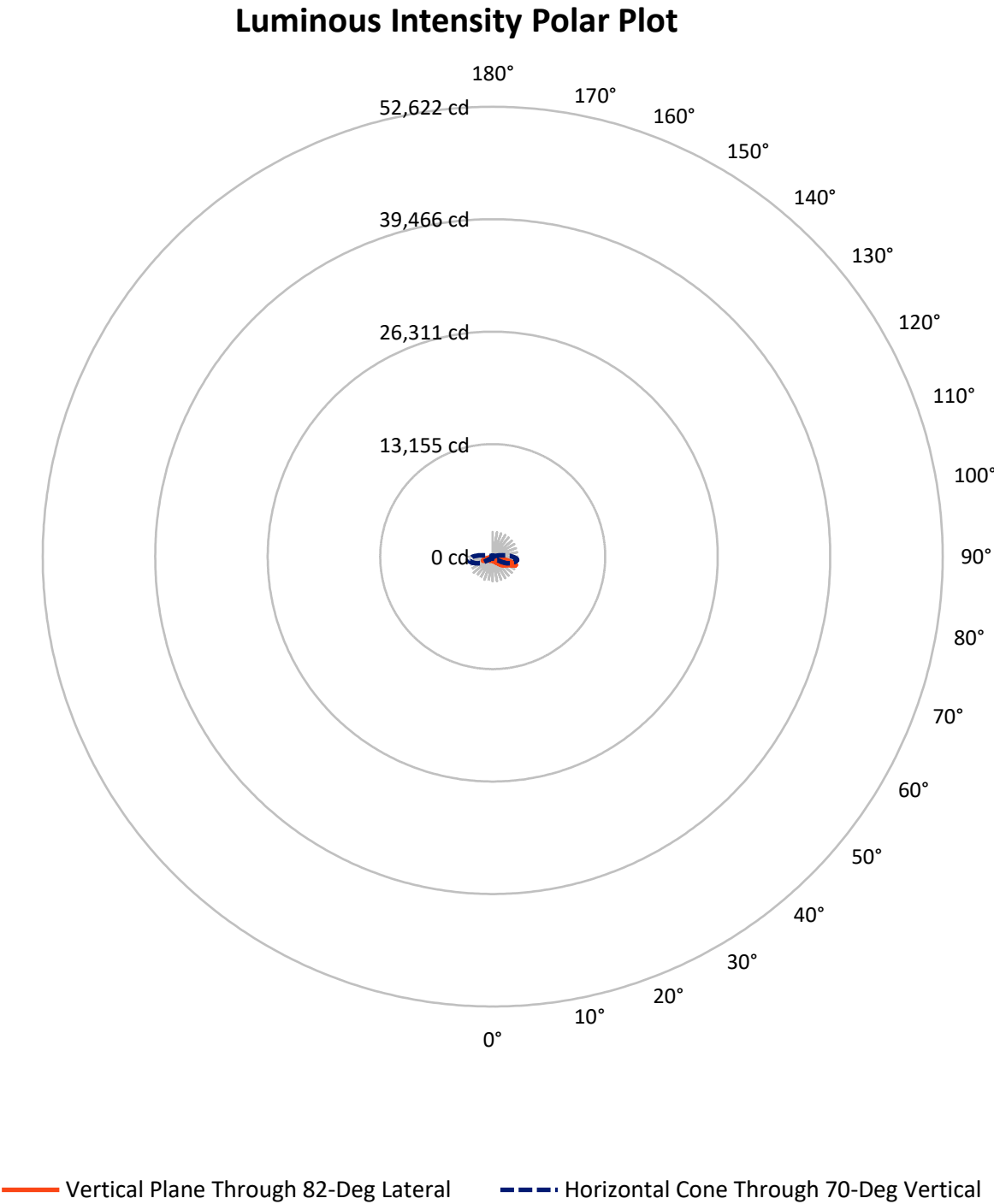
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 762.5    | 0.0    | 762.5  |
|                    | % Fixture | 24.7     | 0.0    | 24.7   |
| <b>Street Side</b> | Lumens    | 2330.5   | 0.0    | 2330.5 |
|                    | % Fixture | 75.3     | 0.0    | 75.3   |
| <b>Total</b>       | Lumens    | 3093.0   | 0.0    | 3093.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 42.8   | 1.4       |
| 10°-20°   | 123.0  | 4.0       |
| 20°-30°   | 205.8  | 6.7       |
| 30°-40°   | 321.5  | 10.4      |
| 40°-50°   | 512.0  | 16.6      |
| 50°-60°   | 712.5  | 23.0      |
| 60°-70°   | 745.3  | 24.1      |
| 70°-80°   | 389.6  | 12.6      |
| 80°-90°   | 40.4   | 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°    | 3093.0 | 100.0     |
| 0°-180°   | 3093.0 | 100.0     |

**Coefficient of Utilization**



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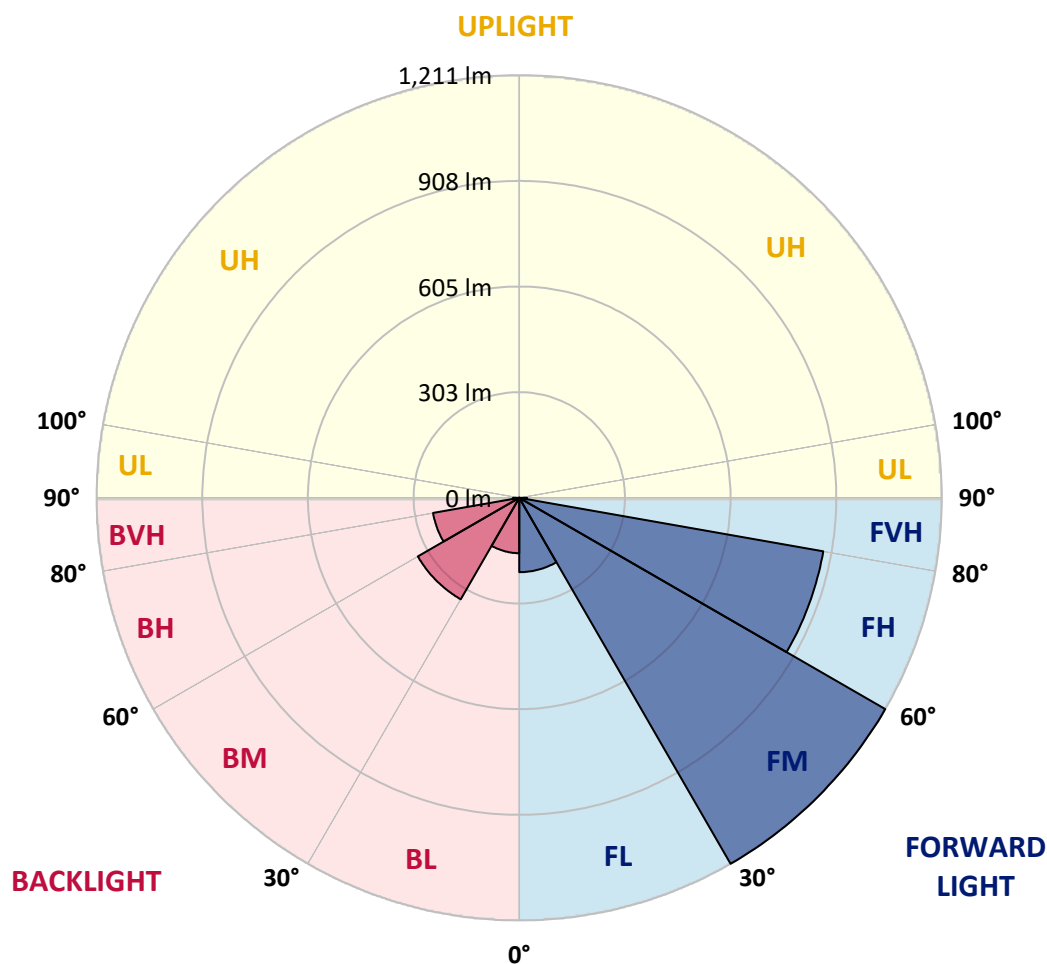
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 213.0  | 6.9       |                         |      |         |
| FM   | (30°-60°)   | 1210.6 | 39.1      |                         |      |         |
| FH   | (60°-80°)   | 884.3  | 28.6      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 22.6   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 158.6  | 5.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 335.5  | 10.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 250.6  | 8.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 17.8   | 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°    | 453.5  | 453.5  | 453.5  | 453.5  | 453.5  | 453.5  | 453.5  | 453.5  | 453.5  | 453.5  |
| 2.5°  | 464.3  | 466.9  | 466.1  | 465.3  | 465.3  | 464.1  | 464.0  | 462.3  | 461.0  | 458.9  |
| 5°    | 470.2  | 473.0  | 472.7  | 473.3  | 475.5  | 476.0  | 476.4  | 475.5  | 472.8  | 470.2  |
| 7.5°  | 465.0  | 468.1  | 469.1  | 473.0  | 479.6  | 485.5  | 489.9  | 491.7  | 489.3  | 485.5  |
| 10°   | 447.2  | 450.7  | 454.1  | 463.5  | 475.1  | 489.1  | 500.9  | 508.0  | 507.5  | 503.9  |
| 12.5° | 411.3  | 414.9  | 422.3  | 440.5  | 461.8  | 486.5  | 508.5  | 523.2  | 528.3  | 525.7  |
| 15°   | 382.6  | 385.7  | 391.3  | 410.0  | 437.7  | 475.1  | 511.2  | 540.0  | 552.9  | 551.5  |
| 17.5° | 381.8  | 383.1  | 386.5  | 395.4  | 416.7  | 457.4  | 508.3  | 556.4  | 581.2  | 581.0  |
| 20°   | 396.2  | 396.7  | 398.7  | 400.5  | 412.6  | 444.0  | 500.7  | 570.0  | 612.8  | 612.8  |
| 22.5° | 416.2  | 415.9  | 417.9  | 416.2  | 422.1  | 442.8  | 496.0  | 582.0  | 648.1  | 650.7  |
| 25°   | 446.3  | 444.6  | 444.1  | 440.3  | 441.5  | 453.5  | 501.2  | 595.6  | 690.0  | 695.4  |
| 27.5° | 486.3  | 483.7  | 481.9  | 473.2  | 470.2  | 475.5  | 517.3  | 612.0  | 736.6  | 745.9  |
| 30°   | 538.5  | 533.7  | 531.1  | 516.0  | 505.3  | 506.2  | 541.6  | 633.8  | 785.3  | 800.4  |
| 32.5° | 609.7  | 602.3  | 595.3  | 570.5  | 551.0  | 544.6  | 573.0  | 664.0  | 838.2  | 862.3  |
| 35°   | 689.5  | 683.6  | 676.0  | 637.8  | 607.7  | 593.0  | 615.3  | 706.2  | 900.1  | 938.3  |
| 37.5° | 766.3  | 761.2  | 764.8  | 713.3  | 674.5  | 653.0  | 670.8  | 762.8  | 976.4  | 1032.8 |
| 40°   | 845.7  | 841.8  | 842.3  | 793.0  | 747.9  | 723.8  | 738.1  | 833.9  | 1063.8 | 1145.3 |
| 42.5° | 932.1  | 929.1  | 919.3  | 875.6  | 824.9  | 802.4  | 815.5  | 916.0  | 1157.7 | 1273.3 |
| 45°   | 1028.7 | 1026.9 | 1017.7 | 967.7  | 909.6  | 884.3  | 902.0  | 1006.6 | 1252.1 | 1393.7 |
| 47.5° | 1112.3 | 1113.7 | 1112.6 | 1070.4 | 1010.2 | 973.1  | 994.3  | 1101.1 | 1339.9 | 1507.0 |
| 50°   | 1152.5 | 1160.2 | 1171.5 | 1158.4 | 1121.0 | 1083.2 | 1087.3 | 1192.4 | 1423.6 | 1613.2 |
| 52.5° | 1131.5 | 1146.1 | 1176.9 | 1197.9 | 1212.4 | 1204.5 | 1193.5 | 1283.0 | 1502.4 | 1709.0 |
| 55°   | 1053.2 | 1073.7 | 1124.9 | 1175.6 | 1249.3 | 1306.6 | 1321.0 | 1383.4 | 1579.2 | 1793.4 |
| 57.5° | 910.6  | 943.9  | 989.8  | 1092.4 | 1216.5 | 1356.0 | 1469.7 | 1522.7 | 1660.6 | 1883.5 |
| 60°   | 666.0  | 710.7  | 767.8  | 920.4  | 1101.6 | 1329.6 | 1596.3 | 1736.8 | 1776.3 | 2000.2 |
| 62.5° | 426.2  | 453.8  | 506.3  | 650.1  | 858.4  | 1194.2 | 1635.0 | 2004.3 | 1972.4 | 2191.5 |
| 65°   | 291.8  | 309.5  | 357.6  | 438.4  | 554.9  | 888.9  | 1531.3 | 2204.8 | 2283.9 | 2494.8 |
| 67.5° | 212.0  | 225.5  | 266.5  | 337.3  | 361.6  | 526.0  | 1188.3 | 2195.6 | 2586.7 | 2807.3 |
| 70°   | 154.6  | 164.1  | 198.6  | 266.5  | 278.2  | 292.6  | 719.8  | 1866.4 | 2580.2 | 2890.4 |
| 72.5° | 114.6  | 121.1  | 144.3  | 206.8  | 225.2  | 197.6  | 356.3  | 1356.5 | 2217.1 | 2614.3 |
| 75°   | 82.9   | 87.8   | 104.9  | 158.2  | 180.2  | 150.5  | 177.7  | 792.7  | 1546.5 | 1839.0 |
| 77.5° | 63.4   | 67.1   | 78.3   | 115.9  | 144.3  | 112.9  | 110.3  | 364.7  | 733.3  | 736.9  |
| 80°   | 50.9   | 53.3   | 59.4   | 81.6   | 110.6  | 84.5   | 71.9   | 147.2  | 231.7  | 196.1  |
| 82.5° | 37.4   | 41.5   | 50.2   | 57.3   | 79.1   | 58.3   | 43.8   | 74.3   | 88.1   | 75.8   |
| 85°   | 21.3   | 24.1   | 30.4   | 41.0   | 50.5   | 35.6   | 25.1   | 33.0   | 41.0   | 33.6   |
| 87.5° | 7.5    | 9.8    | 10.7   | 16.1   | 22.0   | 14.8   | 9.7    | 9.5    | 13.5   | 10.0   |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 453.5  | 0°    | 453.5  | 453.5  | 453.5 | 453.5 | 453.5 | 453.5 | 453.5 | 453.5 | 453.5 | 453.5 |
| 458.4  | 2.5°  | 456.8  | 455.9  | 452.7 | 448.2 | 443.6 | 439.2 | 437.7 | 434.6 | 432.5 | 431.3 |
| 469.1  | 5°    | 465.9  | 463.3  | 455.6 | 445.8 | 435.4 | 424.3 | 416.4 | 409.2 | 403.9 | 399.0 |
| 483.7  | 7.5°  | 479.1  | 474.5  | 461.2 | 444.0 | 425.6 | 407.0 | 393.2 | 382.7 | 375.7 | 371.1 |
| 500.7  | 10°   | 494.3  | 487.3  | 466.9 | 441.2 | 412.8 | 386.2 | 369.9 | 360.9 | 356.5 | 354.0 |
| 520.3  | 12.5° | 511.9  | 501.9  | 472.8 | 434.8 | 393.2 | 362.9 | 351.7 | 349.1 | 349.3 | 349.4 |
| 544.9  | 15°   | 533.6  | 519.6  | 477.6 | 420.8 | 367.8 | 345.0 | 343.0 | 347.3 | 351.7 | 353.8 |
| 572.8  | 17.5° | 558.0  | 538.3  | 478.4 | 397.8 | 342.9 | 333.5 | 339.7 | 348.9 | 355.7 | 358.6 |
| 604.0  | 20°   | 584.3  | 557.4  | 472.5 | 365.3 | 322.3 | 324.1 | 335.3 | 347.1 | 354.5 | 358.3 |
| 639.6  | 22.5° | 614.3  | 577.7  | 458.4 | 331.2 | 305.6 | 314.0 | 327.1 | 338.6 | 346.3 | 350.1 |
| 681.4  | 25°   | 648.6  | 600.5  | 436.2 | 302.5 | 291.2 | 302.5 | 315.6 | 325.1 | 331.4 | 334.8 |
| 728.2  | 27.5° | 686.7  | 624.3  | 406.7 | 279.7 | 278.5 | 290.7 | 301.5 | 308.9 | 312.2 | 314.8 |
| 777.9  | 30°   | 724.9  | 646.0  | 370.9 | 262.4 | 267.5 | 279.0 | 286.7 | 290.0 | 291.0 | 291.5 |
| 833.4  | 32.5° | 766.3  | 664.7  | 333.3 | 248.2 | 257.0 | 267.7 | 272.3 | 273.8 | 269.2 | 266.0 |
| 900.7  | 35°   | 816.3  | 684.7  | 296.6 | 236.8 | 246.7 | 255.9 | 257.3 | 256.0 | 250.6 | 244.2 |
| 985.1  | 37.5° | 878.2  | 709.7  | 267.2 | 228.8 | 237.0 | 243.1 | 241.3 | 240.9 | 241.4 | 233.9 |
| 1086.5 | 40°   | 954.0  | 742.2  | 245.7 | 222.6 | 229.1 | 230.4 | 225.3 | 228.1 | 230.6 | 219.1 |
| 1197.8 | 42.5° | 1038.2 | 781.4  | 232.1 | 218.3 | 222.6 | 219.4 | 211.6 | 214.7 | 214.3 | 199.2 |
| 1309.5 | 45°   | 1124.1 | 824.1  | 227.3 | 215.2 | 216.5 | 210.2 | 201.5 | 202.4 | 195.5 | 181.8 |
| 1416.7 | 47.5° | 1209.4 | 869.9  | 230.3 | 212.5 | 208.9 | 201.9 | 195.1 | 191.5 | 181.4 | 171.2 |
| 1519.5 | 50°   | 1293.1 | 917.9  | 241.1 | 207.3 | 198.6 | 194.5 | 189.6 | 183.2 | 172.3 | 163.6 |
| 1616.6 | 52.5° | 1370.8 | 966.4  | 253.2 | 198.6 | 185.6 | 188.1 | 185.0 | 177.6 | 166.9 | 158.1 |
| 1708.5 | 55°   | 1444.3 | 1014.8 | 258.0 | 186.6 | 173.5 | 182.5 | 180.7 | 167.1 | 154.3 | 147.1 |
| 1804.7 | 57.5° | 1524.4 | 1073.0 | 252.7 | 171.3 | 163.6 | 176.1 | 169.2 | 154.1 | 146.7 | 141.3 |
| 1929.9 | 60°   | 1635.3 | 1164.5 | 241.4 | 152.5 | 154.3 | 166.6 | 154.8 | 148.5 | 140.5 | 134.4 |
| 2117.7 | 62.5° | 1819.6 | 1335.0 | 223.2 | 133.8 | 143.3 | 152.5 | 147.9 | 141.6 | 133.4 | 127.5 |
| 2438.7 | 65°   | 2092.1 | 1572.0 | 188.9 | 119.2 | 131.0 | 138.7 | 140.5 | 134.3 | 125.7 | 119.5 |
| 2720.0 | 67.5° | 2321.9 | 1720.7 | 143.0 | 107.0 | 118.3 | 127.5 | 132.6 | 126.5 | 117.5 | 111.4 |
| 2785.8 | 70°   | 2309.2 | 1612.7 | 109.1 | 95.0  | 107.2 | 116.5 | 123.1 | 118.3 | 108.6 | 102.9 |
| 2530.5 | 72.5° | 2051.0 | 1349.1 | 88.3  | 82.9  | 95.8  | 105.0 | 112.9 | 109.3 | 99.5  | 93.9  |
| 1853.8 | 75°   | 1506.8 | 957.7  | 70.6  | 70.6  | 81.7  | 93.1  | 101.8 | 99.5  | 90.4  | 86.5  |
| 778.3  | 77.5° | 635.2  | 401.8  | 55.3  | 58.6  | 67.9  | 79.9  | 90.8  | 91.6  | 83.7  | 88.6  |
| 205.8  | 80°   | 168.9  | 110.8  | 42.2  | 46.1  | 53.3  | 66.0  | 78.9  | 78.6  | 70.1  | 65.5  |
| 76.5   | 82.5° | 64.3   | 43.7   | 30.0  | 32.5  | 38.6  | 50.5  | 62.5  | 64.5  | 56.0  | 48.4  |
| 30.0   | 85°   | 24.8   | 18.7   | 18.5  | 19.5  | 22.5  | 33.5  | 47.3  | 48.9  | 42.2  | 35.8  |
| 8.4    | 87.5° | 6.4    | 5.6    | 6.9   | 6.6   | 10.3  | 17.9  | 27.1  | 28.1  | 25.8  | 14.9  |
| 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°  |
|-------|
| 453.5 |
| 432.6 |
| 401.0 |
| 372.1 |
| 354.7 |
| 349.7 |
| 353.7 |
| 359.3 |
| 359.3 |
| 351.1 |
| 335.8 |
| 315.8 |
| 292.6 |
| 267.0 |
| 244.5 |
| 234.4 |
| 219.4 |
| 199.1 |
| 182.3 |
| 171.2 |
| 163.0 |
| 158.2 |
| 146.4 |
| 140.8 |
| 134.1 |
| 127.5 |
| 119.8 |
| 111.6 |
| 103.4 |
| 93.9  |
| 85.3  |
| 80.4  |
| 60.9  |
| 48.4  |
| 36.9  |
| 21.3  |
| 0.0   |