

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: P939705

Luminaire Tested: **GLAN-SB2B-935-U-T2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939705  
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-SB2B-935-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7762 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 73.9  
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



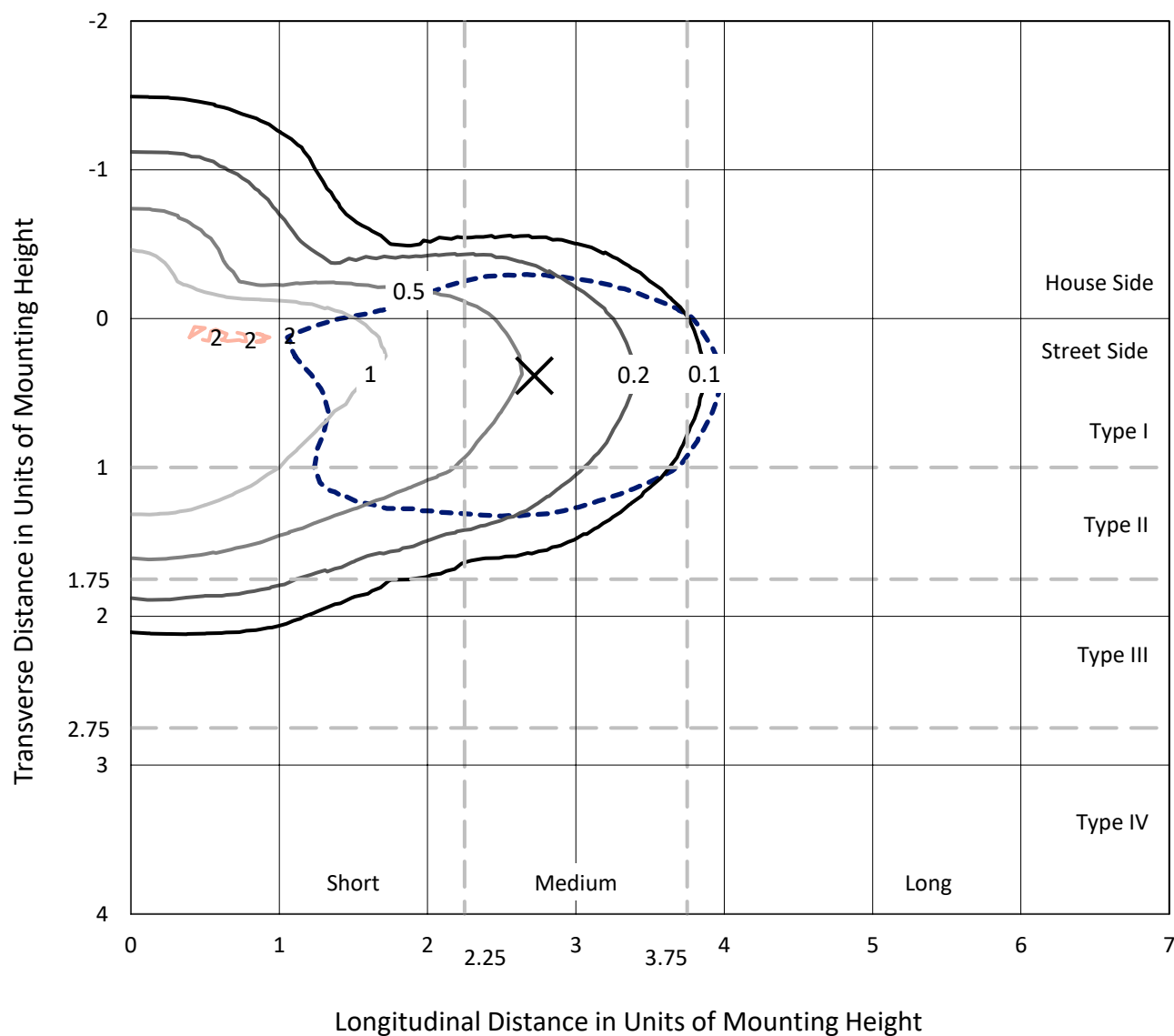
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## Iso-Footcandle Lines of Horizontal Illumination

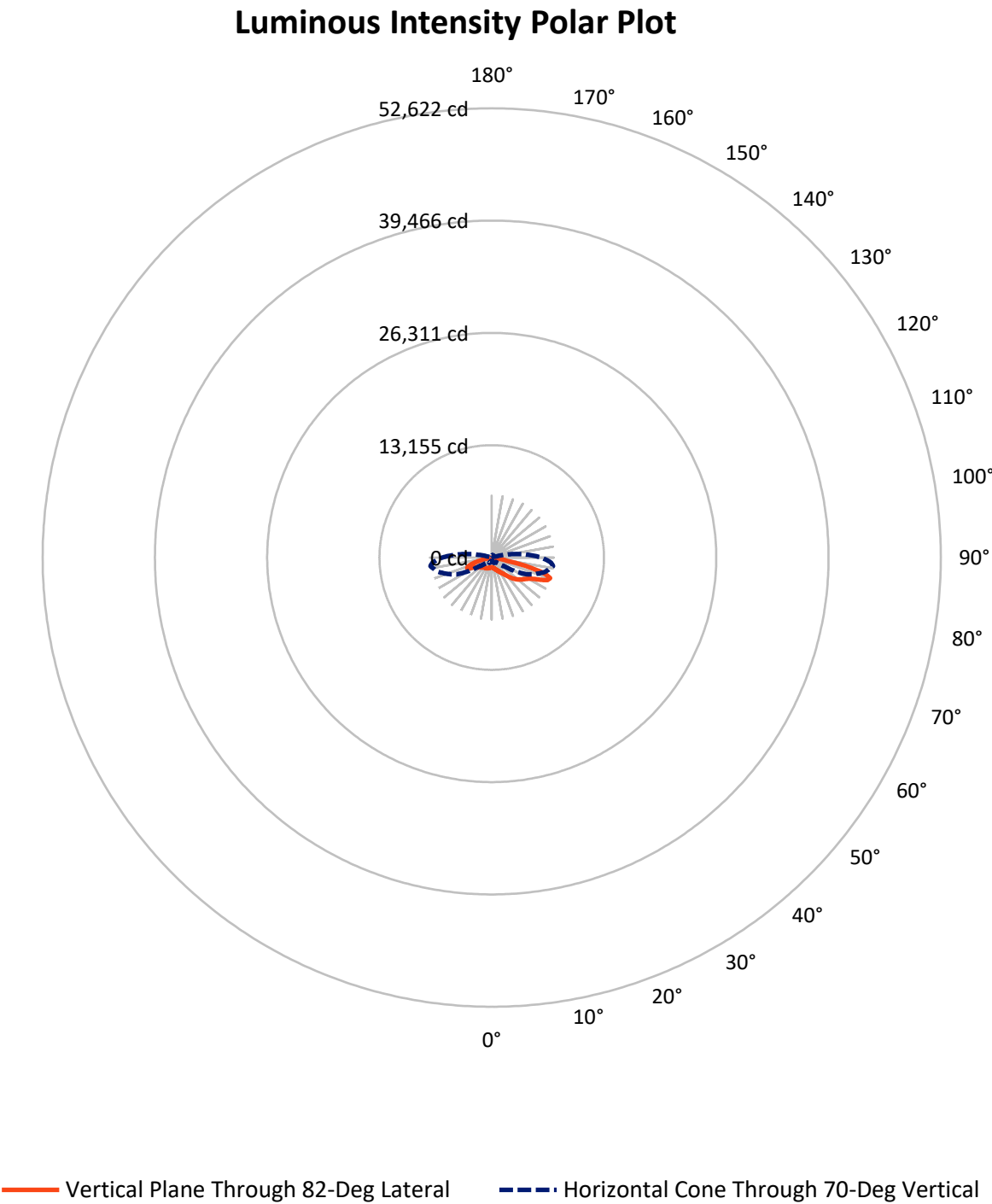
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type II - Medium - N/A

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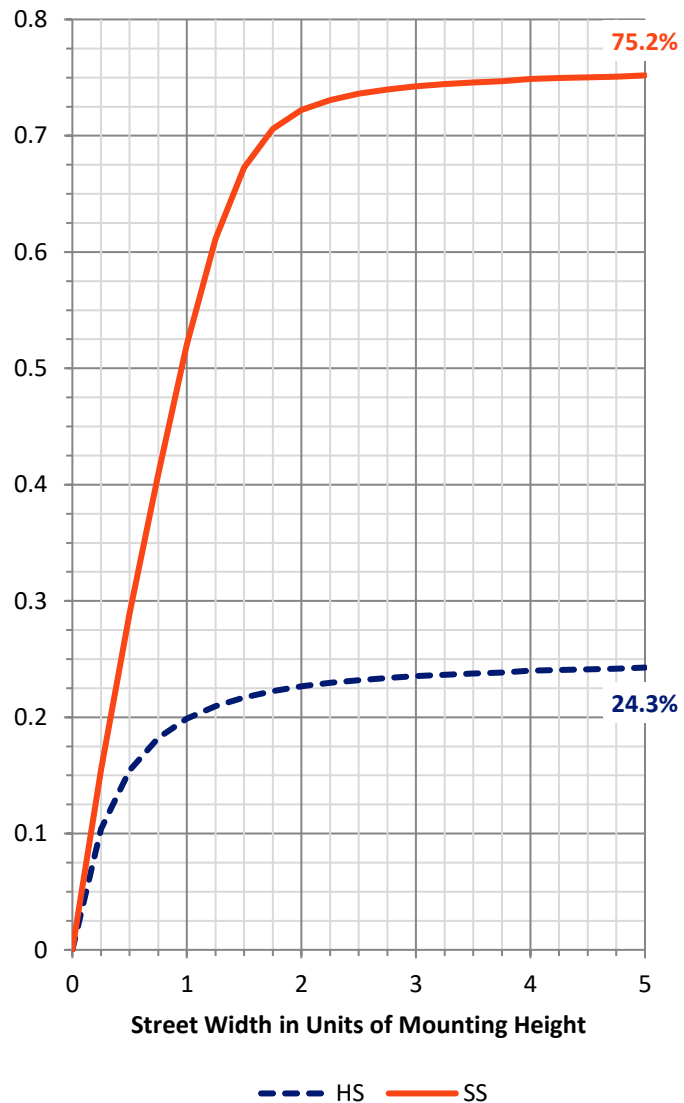
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1913.5   | 0.0    | 1913.5 |
|                    | % Fixture | 24.7     | 0.0    | 24.7   |
| <b>Street Side</b> | Lumens    | 5848.5   | 0.0    | 5848.5 |
|                    | % Fixture | 75.3     | 0.0    | 75.3   |
| <b>Total</b>       | Lumens    | 7762.0   | 0.0    | 7762.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 107.4  | 1.4       |
| 10°-20°   | 308.7  | 4.0       |
| 20°-30°   | 516.4  | 6.7       |
| 30°-40°   | 806.8  | 10.4      |
| 40°-50°   | 1284.9 | 16.6      |
| 50°-60°   | 1788.1 | 23.0      |
| 60°-70°   | 1870.5 | 24.1      |
| 70°-80°   | 977.6  | 12.6      |
| 80°-90°   | 101.5  | 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°    | 7762.0 | 100.0     |
| 0°-180°   | 7762.0 | 100.0     |

**Coefficient of Utilization**



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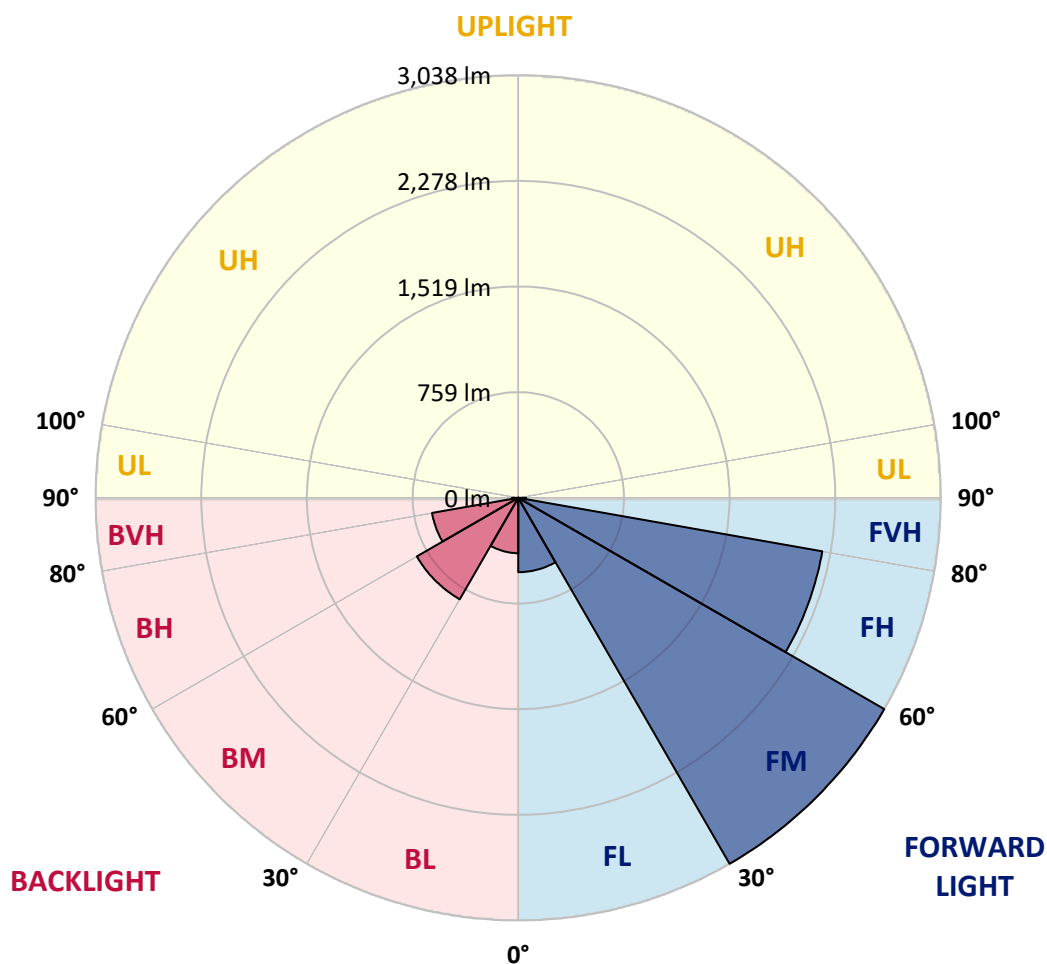
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 534.5  | 6.9       |                         |      |         |
| FM   | (30°-60°)   | 3038.0 | 39.1      |                         |      |         |
| FH   | (60°-80°)   | 2219.2 | 28.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 56.8   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 398.1  | 5.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 841.9  | 10.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 628.9  | 8.1       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 44.7   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 |
| 2.5°  | 1165.2 | 1171.8 | 1169.7 | 1167.7 | 1167.7 | 1164.8 | 1164.4 | 1160.2 | 1157.0 | 1151.6 |
| 5°    | 1180.0 | 1187.0 | 1186.2 | 1187.8 | 1193.2 | 1194.4 | 1195.7 | 1193.2 | 1186.6 | 1180.0 |
| 7.5°  | 1166.8 | 1174.7 | 1177.1 | 1187.0 | 1203.5 | 1218.3 | 1229.4 | 1234.0 | 1227.8 | 1218.3 |
| 10°   | 1122.4 | 1131.0 | 1139.7 | 1163.1 | 1192.4 | 1227.4 | 1257.0 | 1274.7 | 1273.5 | 1264.5 |
| 12.5° | 1032.2 | 1041.2 | 1059.8 | 1105.5 | 1159.0 | 1220.8 | 1276.0 | 1313.1 | 1325.8 | 1319.2 |
| 15°   | 960.1  | 967.9  | 981.9  | 1028.9 | 1098.5 | 1192.4 | 1283.0 | 1355.1 | 1387.6 | 1383.9 |
| 17.5° | 958.0  | 961.3  | 970.0  | 992.2  | 1045.7 | 1147.9 | 1275.6 | 1396.3 | 1458.4 | 1458.0 |
| 20°   | 994.3  | 995.5  | 1000.4 | 1005.0 | 1035.4 | 1114.1 | 1256.6 | 1430.4 | 1537.9 | 1537.9 |
| 22.5° | 1044.5 | 1043.7 | 1048.6 | 1044.5 | 1059.3 | 1111.2 | 1244.7 | 1460.5 | 1626.5 | 1633.1 |
| 25°   | 1119.9 | 1115.8 | 1114.5 | 1105.1 | 1107.9 | 1138.0 | 1257.9 | 1494.7 | 1731.5 | 1745.1 |
| 27.5° | 1220.4 | 1213.8 | 1209.3 | 1187.4 | 1180.0 | 1193.2 | 1298.2 | 1535.9 | 1848.5 | 1872.0 |
| 30°   | 1351.4 | 1339.4 | 1332.8 | 1294.9 | 1268.2 | 1270.2 | 1359.2 | 1590.7 | 1970.8 | 2008.7 |
| 32.5° | 1530.1 | 1511.6 | 1493.9 | 1431.7 | 1382.7 | 1366.6 | 1437.9 | 1666.4 | 2103.4 | 2164.0 |
| 35°   | 1730.3 | 1715.5 | 1696.5 | 1600.5 | 1525.2 | 1488.1 | 1544.1 | 1772.3 | 2258.7 | 2354.7 |
| 37.5° | 1923.0 | 1910.3 | 1919.3 | 1790.0 | 1692.8 | 1638.8 | 1683.3 | 1914.4 | 2450.2 | 2591.9 |
| 40°   | 2122.4 | 2112.5 | 2113.7 | 1990.2 | 1876.9 | 1816.4 | 1852.2 | 2092.7 | 2669.8 | 2874.1 |
| 42.5° | 2339.0 | 2331.6 | 2306.9 | 2197.3 | 2070.1 | 2013.6 | 2046.6 | 2298.7 | 2905.4 | 3195.3 |
| 45°   | 2581.6 | 2577.1 | 2554.0 | 2428.4 | 2282.6 | 2219.2 | 2263.7 | 2526.0 | 3142.2 | 3497.6 |
| 47.5° | 2791.3 | 2795.0 | 2792.1 | 2686.2 | 2535.1 | 2442.0 | 2495.1 | 2763.3 | 3362.5 | 3781.8 |
| 50°   | 2892.2 | 2911.5 | 2940.0 | 2907.0 | 2813.1 | 2718.4 | 2728.7 | 2992.3 | 3572.6 | 4048.3 |
| 52.5° | 2839.5 | 2876.1 | 2953.5 | 3006.3 | 3042.5 | 3022.7 | 2995.1 | 3219.6 | 3770.3 | 4288.8 |
| 55°   | 2643.0 | 2694.5 | 2823.0 | 2950.2 | 3135.2 | 3278.9 | 3315.2 | 3471.7 | 3963.0 | 4500.5 |
| 57.5° | 2285.1 | 2368.7 | 2484.0 | 2741.4 | 3052.8 | 3402.9 | 3688.3 | 3821.4 | 4167.3 | 4726.7 |
| 60°   | 1671.4 | 1783.4 | 1926.7 | 2309.8 | 2764.5 | 3336.6 | 4005.9 | 4358.4 | 4457.7 | 5019.5 |
| 62.5° | 1069.6 | 1138.8 | 1270.6 | 1631.4 | 2154.1 | 2996.8 | 4103.1 | 5029.8 | 4949.9 | 5499.7 |
| 65°   | 732.3  | 776.8  | 897.5  | 1100.1 | 1392.5 | 2230.7 | 3842.8 | 5533.1 | 5731.6 | 6260.9 |
| 67.5° | 532.1  | 565.9  | 668.9  | 846.4  | 907.4  | 1320.1 | 2982.0 | 5510.0 | 6491.5 | 7045.1 |
| 70°   | 388.0  | 411.9  | 498.4  | 668.9  | 698.1  | 734.4  | 1806.5 | 4683.8 | 6475.1 | 7253.5 |
| 72.5° | 287.5  | 304.0  | 362.0  | 519.0  | 565.1  | 495.9  | 894.2  | 3404.1 | 5564.0 | 6560.7 |
| 75°   | 208.0  | 220.4  | 263.2  | 397.0  | 452.2  | 377.7  | 446.1  | 1989.3 | 3881.1 | 4615.0 |
| 77.5° | 159.0  | 168.5  | 196.5  | 290.8  | 362.0  | 283.4  | 276.8  | 915.2  | 1840.3 | 1849.3 |
| 80°   | 127.7  | 133.9  | 149.1  | 204.7  | 277.6  | 212.1  | 180.4  | 369.5  | 581.6  | 492.2  |
| 82.5° | 93.9   | 104.2  | 126.0  | 143.7  | 198.5  | 146.2  | 110.0  | 186.6  | 221.2  | 190.3  |
| 85°   | 53.5   | 60.5   | 76.2   | 103.0  | 126.9  | 89.4   | 63.0   | 82.8   | 103.0  | 84.4   |
| 87.5° | 18.9   | 24.7   | 26.8   | 40.4   | 55.2   | 37.1   | 24.3   | 23.9   | 33.8   | 25.1   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1138.0 | 0°    | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 | 1138.0 |
| 1150.4 | 2.5°  | 1146.2 | 1144.2 | 1135.9 | 1124.8 | 1113.3 | 1102.2 | 1098.5 | 1090.6 | 1085.3 | 1082.4 |
| 1177.1 | 5°    | 1169.3 | 1162.7 | 1143.4 | 1118.6 | 1092.7 | 1064.7 | 1044.9 | 1026.8 | 1013.6 | 1001.3 |
| 1213.8 | 7.5°  | 1202.3 | 1190.7 | 1157.4 | 1114.1 | 1068.0 | 1021.4 | 986.8  | 960.5  | 942.8  | 931.2  |
| 1256.6 | 10°   | 1240.6 | 1222.9 | 1171.8 | 1107.1 | 1035.9 | 969.1  | 928.4  | 905.7  | 894.6  | 888.4  |
| 1305.6 | 12.5° | 1284.6 | 1259.5 | 1186.6 | 1091.1 | 986.8  | 910.7  | 882.6  | 876.1  | 876.5  | 876.9  |
| 1367.4 | 15°   | 1339.0 | 1304.0 | 1198.6 | 1056.0 | 923.0  | 865.8  | 860.8  | 871.5  | 882.6  | 888.0  |
| 1437.4 | 17.5° | 1400.4 | 1350.9 | 1200.6 | 998.4  | 860.4  | 836.9  | 852.6  | 875.6  | 892.5  | 899.9  |
| 1515.7 | 20°   | 1466.3 | 1398.7 | 1185.8 | 916.8  | 808.9  | 813.5  | 841.5  | 871.1  | 889.6  | 899.1  |
| 1605.1 | 22.5° | 1541.6 | 1449.8 | 1150.4 | 831.2  | 766.9  | 787.9  | 820.9  | 849.7  | 869.1  | 878.5  |
| 1710.1 | 25°   | 1627.7 | 1507.0 | 1094.8 | 759.1  | 730.7  | 759.1  | 792.0  | 815.9  | 831.6  | 840.2  |
| 1827.5 | 27.5° | 1723.3 | 1566.8 | 1020.6 | 701.8  | 698.9  | 729.4  | 756.6  | 775.1  | 783.4  | 790.0  |
| 1952.3 | 30°   | 1819.2 | 1621.1 | 930.8  | 658.6  | 671.4  | 700.2  | 719.5  | 727.8  | 730.3  | 731.5  |
| 2091.5 | 32.5° | 1923.0 | 1668.1 | 836.5  | 622.8  | 645.0  | 671.8  | 683.3  | 687.0  | 675.5  | 667.6  |
| 2260.4 | 35°   | 2048.7 | 1718.3 | 744.3  | 594.3  | 619.0  | 642.1  | 645.8  | 642.5  | 628.9  | 612.9  |
| 2472.1 | 37.5° | 2203.9 | 1780.9 | 670.5  | 574.2  | 594.7  | 610.0  | 605.5  | 604.6  | 605.9  | 586.9  |
| 2726.6 | 40°   | 2394.2 | 1862.5 | 616.6  | 558.5  | 575.0  | 578.3  | 565.5  | 572.5  | 578.7  | 549.9  |
| 3005.9 | 42.5° | 2605.5 | 1960.9 | 582.4  | 547.8  | 558.5  | 550.7  | 530.9  | 538.7  | 537.9  | 500.0  |
| 3286.3 | 45°   | 2820.9 | 2068.0 | 570.4  | 540.0  | 543.3  | 527.6  | 505.8  | 507.8  | 490.5  | 456.4  |
| 3555.3 | 47.5° | 3035.1 | 2182.9 | 577.9  | 533.4  | 524.3  | 506.6  | 489.7  | 480.7  | 455.1  | 429.6  |
| 3813.1 | 50°   | 3245.2 | 2303.6 | 605.0  | 520.2  | 498.4  | 488.1  | 475.7  | 459.7  | 432.5  | 410.6  |
| 4057.0 | 52.5° | 3440.0 | 2425.1 | 635.5  | 498.4  | 465.8  | 472.0  | 464.2  | 445.6  | 418.9  | 396.6  |
| 4287.6 | 55°   | 3624.5 | 2546.6 | 647.5  | 468.3  | 435.4  | 458.0  | 453.5  | 419.3  | 387.2  | 369.0  |
| 4529.0 | 57.5° | 3825.5 | 2692.8 | 634.3  | 430.0  | 410.6  | 441.9  | 424.6  | 386.7  | 368.2  | 354.6  |
| 4843.2 | 60°   | 4103.9 | 2922.2 | 605.9  | 382.6  | 387.2  | 418.1  | 388.4  | 372.7  | 352.6  | 337.3  |
| 5314.4 | 62.5° | 4566.4 | 3350.2 | 560.1  | 335.7  | 359.6  | 382.6  | 371.1  | 355.4  | 334.9  | 320.0  |
| 6120.0 | 65°   | 5250.2 | 3944.9 | 474.1  | 299.0  | 328.7  | 348.0  | 352.6  | 336.9  | 315.5  | 299.8  |
| 6826.0 | 67.5° | 5826.8 | 4318.1 | 358.7  | 268.5  | 297.0  | 320.0  | 332.8  | 317.6  | 294.9  | 279.7  |
| 6991.1 | 70°   | 5795.1 | 4047.1 | 273.9  | 238.5  | 269.0  | 292.4  | 308.9  | 297.0  | 272.7  | 258.2  |
| 6350.3 | 72.5° | 5147.2 | 3385.6 | 221.6  | 208.0  | 240.5  | 263.6  | 283.4  | 274.3  | 249.6  | 235.6  |
| 4652.1 | 75°   | 3781.4 | 2403.3 | 177.1  | 177.1  | 205.1  | 233.5  | 255.4  | 249.6  | 226.9  | 217.1  |
| 1953.1 | 77.5° | 1594.0 | 1008.3 | 138.8  | 147.0  | 170.5  | 200.6  | 227.8  | 229.8  | 210.1  | 222.4  |
| 516.5  | 80°   | 423.8  | 278.0  | 105.9  | 115.7  | 133.9  | 165.6  | 198.1  | 197.3  | 175.9  | 164.3  |
| 191.9  | 82.5° | 161.5  | 109.6  | 75.4   | 81.6   | 96.8   | 126.9  | 156.9  | 161.9  | 140.4  | 121.5  |
| 75.4   | 85°   | 62.2   | 47.0   | 46.5   | 49.0   | 56.4   | 84.0   | 118.6  | 122.7  | 105.9  | 89.8   |
| 21.0   | 87.5° | 16.1   | 14.0   | 17.3   | 16.5   | 25.9   | 44.9   | 68.0   | 70.4   | 64.7   | 37.5   |
| 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°   |
|--------|
| 1138.0 |
| 1085.7 |
| 1006.2 |
| 933.7  |
| 890.1  |
| 877.7  |
| 887.6  |
| 901.6  |
| 901.6  |
| 881.0  |
| 842.7  |
| 792.4  |
| 734.4  |
| 670.1  |
| 613.7  |
| 588.2  |
| 550.7  |
| 499.6  |
| 457.6  |
| 429.6  |
| 409.0  |
| 397.0  |
| 367.4  |
| 353.4  |
| 336.5  |
| 320.0  |
| 300.7  |
| 280.1  |
| 259.5  |
| 235.6  |
| 214.2  |
| 201.8  |
| 152.8  |
| 121.5  |
| 92.7   |
| 53.5   |
| 0.0    |