

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: P946253

Luminaire Tested: **GLAN-SB1D-950-U-T2U**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946253  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-950-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7176 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 79.6  
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



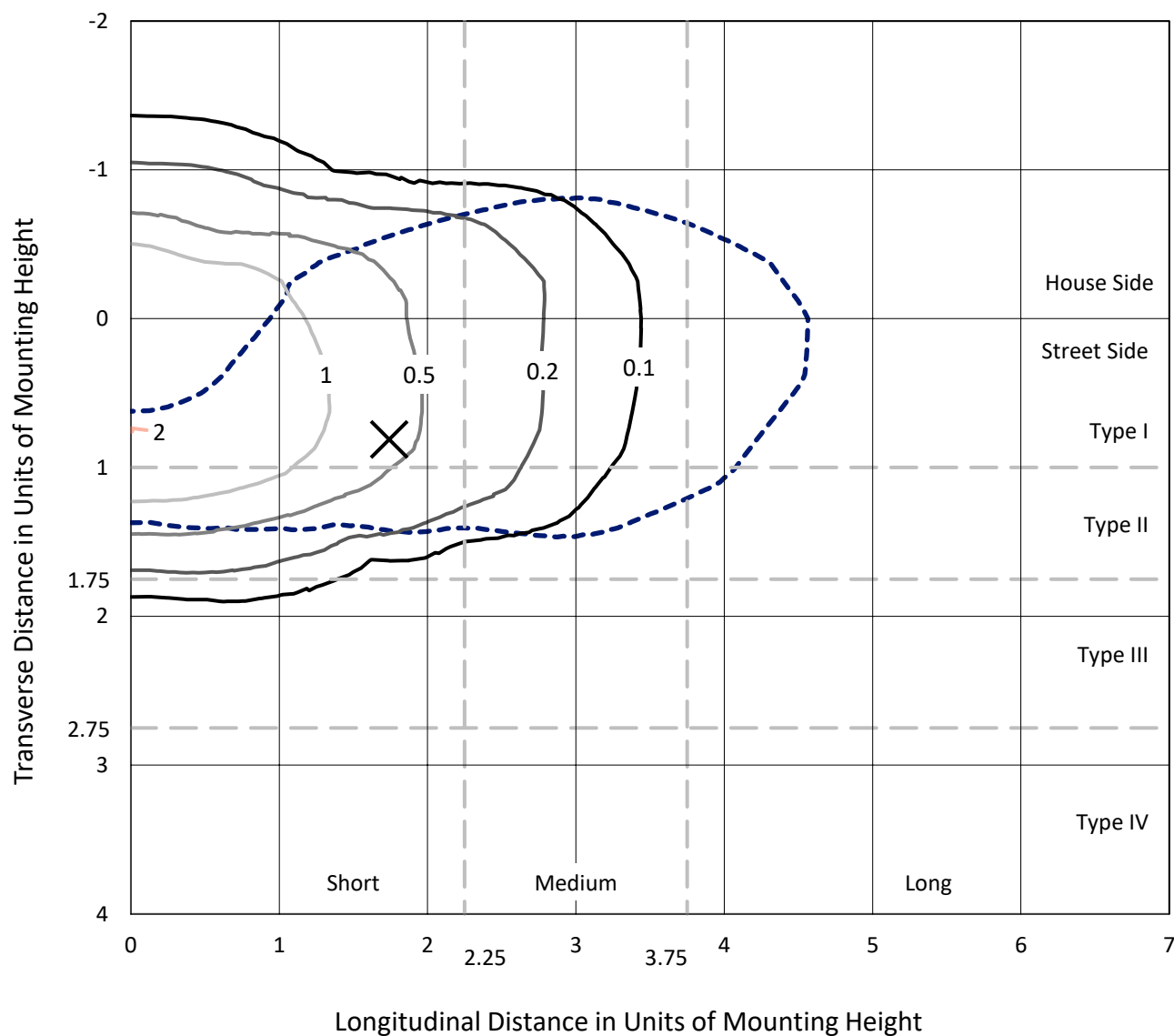
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



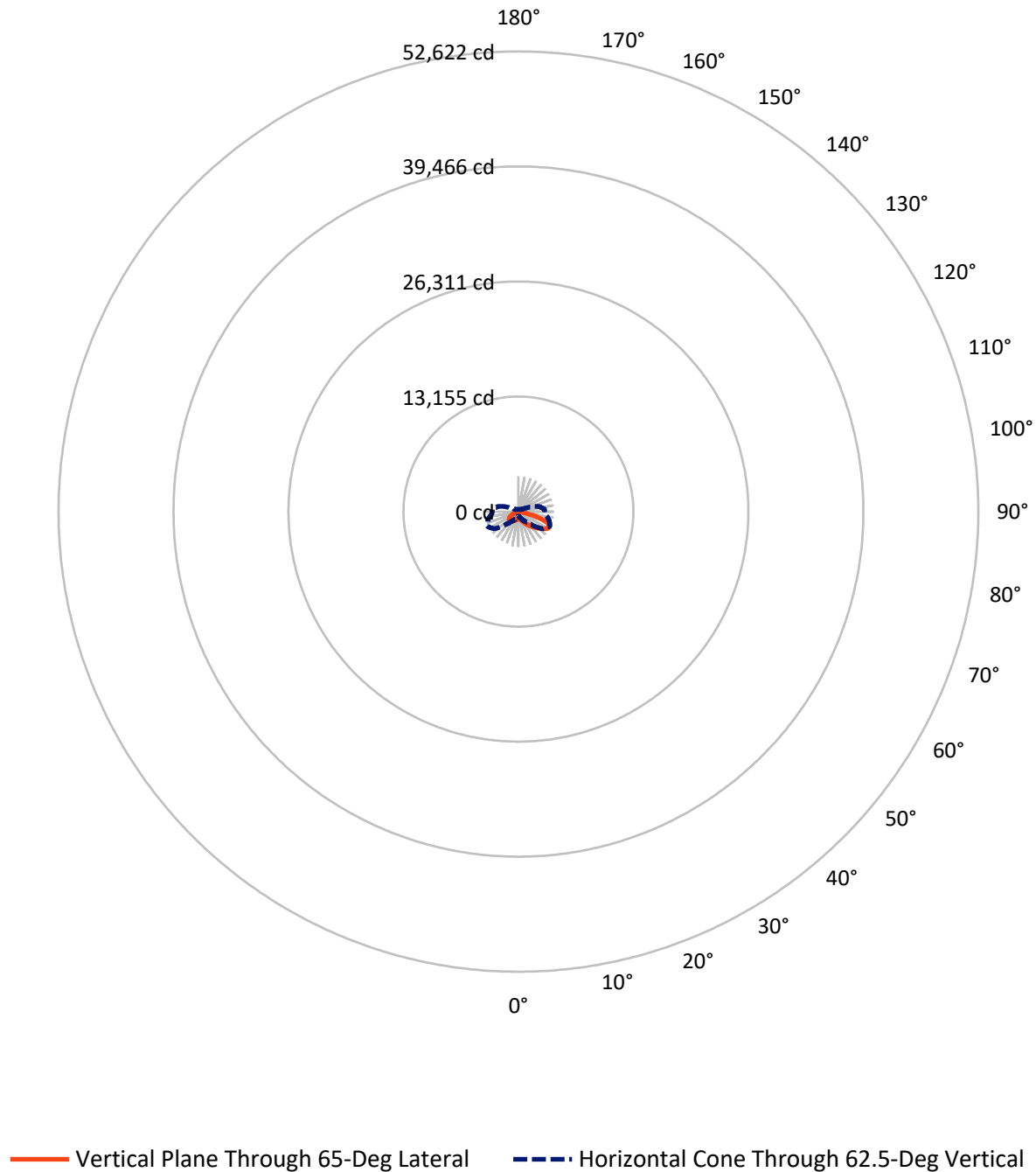
Based on 25 foot mounting height. Maximum calculated value = 2 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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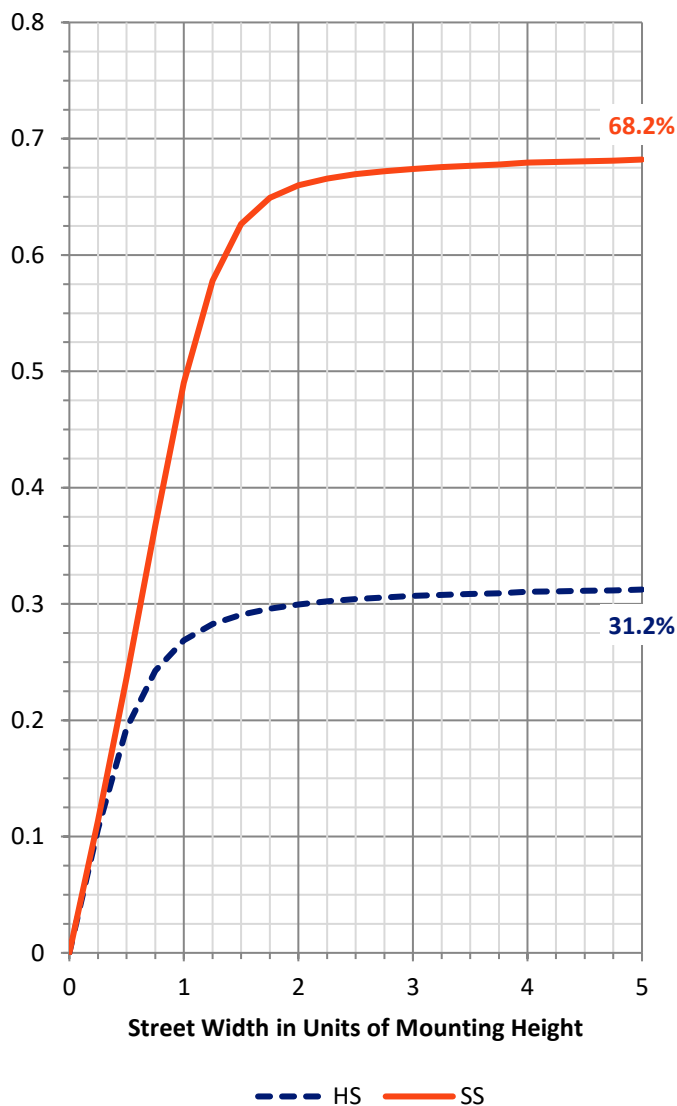
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2264.4   | 0.0    | 2264.4 |
|                    | % Fixture | 31.6     | 0.0    | 31.6   |
| <b>Street Side</b> | Lumens    | 4911.6   | 0.0    | 4911.6 |
|                    | % Fixture | 68.4     | 0.0    | 68.4   |
| <b>Total</b>       | Lumens    | 7176.0   | 0.0    | 7176.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 78.8   | 1.1       |
| 10°-20°   | 267.3  | 3.7       |
| 20°-30°   | 542.1  | 7.6       |
| 30°-40°   | 938.1  | 13.1      |
| 40°-50°   | 1419.6 | 19.8      |
| 50°-60°   | 1664.3 | 23.2      |
| 60°-70°   | 1395.4 | 19.4      |
| 70°-80°   | 770.3  | 10.7      |
| 80°-90°   | 100.1  | 1.4       |
| 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°    | 7176.0 | 100.0     |
| 0°-180°   | 7176.0 | 100.0     |

**Coefficient of Utilization**



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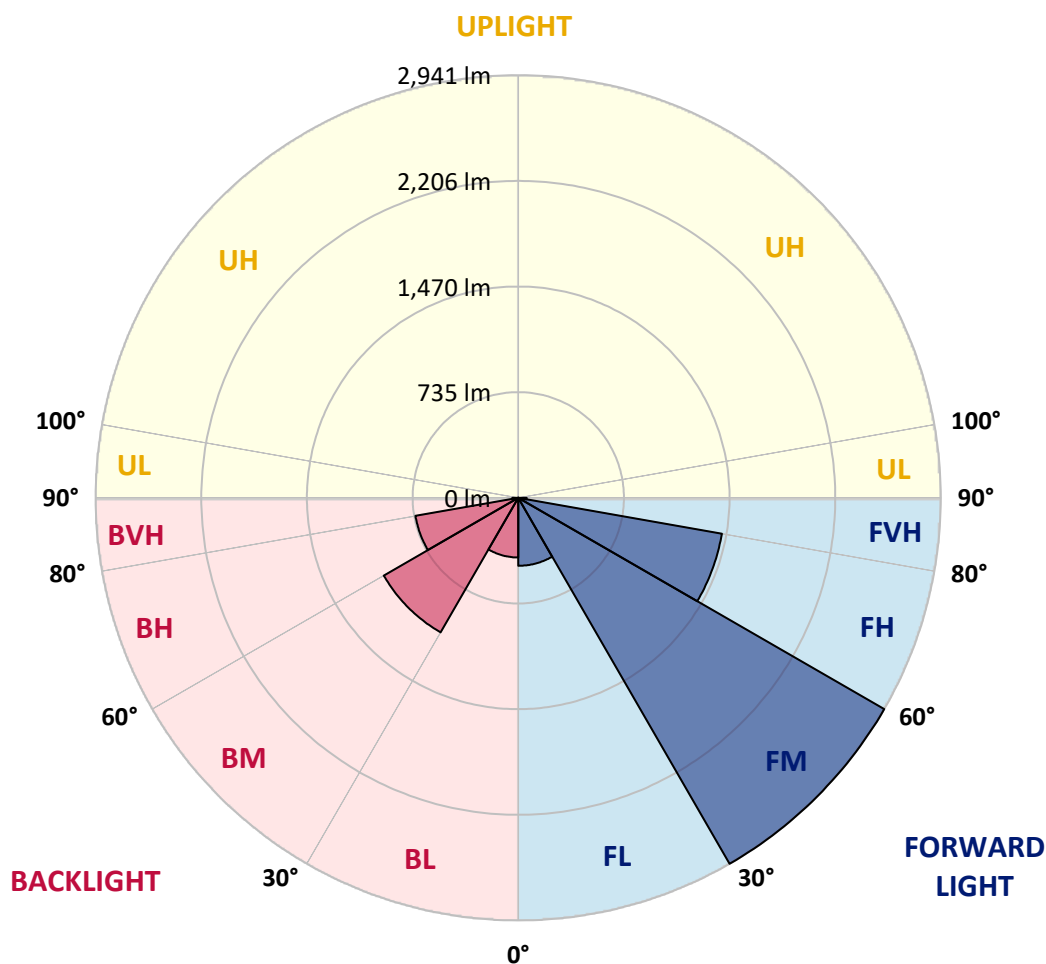
CATALOG NUMBER: GLAN-SB1D-950-U-T2U

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 473.0  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 2941.0 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 1439.3 | 20.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 58.3   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 415.3  | 5.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1081.0 | 15.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 726.4  | 10.1      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 41.7   | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 67°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 790.8  | 790.8  | 790.8  | 790.8  | 790.8  | 790.8  | 790.8  | 790.8  | 790.8  | 790.8  |
| 2.5°  | 785.6  | 783.3  | 785.2  | 785.2  | 785.9  | 785.6  | 788.2  | 788.9  | 790.0  | 792.3  |
| 5°    | 777.7  | 777.4  | 780.7  | 783.7  | 786.7  | 789.3  | 792.6  | 797.5  | 798.2  | 800.8  |
| 7.5°  | 775.1  | 772.9  | 778.1  | 781.8  | 788.9  | 795.2  | 804.2  | 812.4  | 815.7  | 816.8  |
| 10°   | 795.2  | 791.5  | 796.3  | 798.6  | 804.5  | 810.9  | 821.3  | 834.3  | 838.0  | 842.5  |
| 12.5° | 829.5  | 825.4  | 832.5  | 835.8  | 841.4  | 847.0  | 854.1  | 866.7  | 868.6  | 876.8  |
| 15°   | 876.4  | 871.6  | 876.0  | 880.1  | 889.4  | 894.6  | 901.7  | 914.0  | 914.0  | 920.3  |
| 17.5° | 940.1  | 933.7  | 937.1  | 938.6  | 944.5  | 952.3  | 964.3  | 975.1  | 980.6  | 978.4  |
| 20°   | 1035.0 | 1027.2 | 1027.2 | 1019.7 | 1017.5 | 1023.8 | 1039.5 | 1054.4 | 1060.3 | 1048.8 |
| 22.5° | 1177.6 | 1166.4 | 1160.1 | 1134.8 | 1124.7 | 1125.5 | 1141.1 | 1159.3 | 1164.2 | 1143.7 |
| 25°   | 1358.9 | 1341.4 | 1332.8 | 1295.6 | 1272.9 | 1253.2 | 1265.4 | 1288.9 | 1295.6 | 1270.3 |
| 27.5° | 1540.2 | 1541.3 | 1533.1 | 1488.5 | 1450.9 | 1414.7 | 1408.4 | 1433.0 | 1440.1 | 1411.4 |
| 30°   | 1794.5 | 1768.1 | 1752.4 | 1698.8 | 1645.2 | 1594.6 | 1568.5 | 1578.5 | 1580.4 | 1546.2 |
| 32.5° | 2013.8 | 2007.1 | 1973.6 | 1926.6 | 1857.8 | 1778.5 | 1734.9 | 1718.9 | 1715.9 | 1667.2 |
| 35°   | 2263.6 | 2259.9 | 2224.5 | 2168.6 | 2094.2 | 1984.0 | 1905.4 | 1859.6 | 1855.9 | 1787.4 |
| 37.5° | 2517.5 | 2517.5 | 2482.9 | 2421.8 | 2344.7 | 2207.0 | 2087.5 | 2014.9 | 2003.0 | 1913.6 |
| 40°   | 2720.0 | 2707.7 | 2714.1 | 2688.4 | 2600.1 | 2453.8 | 2289.6 | 2184.3 | 2168.3 | 2061.0 |
| 42.5° | 2835.1 | 2831.0 | 2868.9 | 2897.6 | 2861.5 | 2744.6 | 2512.3 | 2367.8 | 2345.5 | 2223.4 |
| 45°   | 2860.7 | 2856.3 | 2924.0 | 3029.0 | 3079.7 | 3031.6 | 2754.3 | 2561.0 | 2533.9 | 2393.1 |
| 47.5° | 2801.6 | 2792.6 | 2892.0 | 3057.7 | 3220.0 | 3304.5 | 3016.4 | 2770.7 | 2731.2 | 2558.4 |
| 50°   | 2623.6 | 2615.0 | 2765.4 | 2985.5 | 3267.3 | 3489.9 | 3300.8 | 2992.9 | 2932.6 | 2735.7 |
| 52.5° | 2236.8 | 2240.9 | 2476.5 | 2778.8 | 3205.1 | 3605.3 | 3545.8 | 3227.1 | 3154.5 | 2917.0 |
| 55°   | 1742.4 | 1751.3 | 2040.9 | 2373.8 | 2956.4 | 3587.9 | 3712.9 | 3468.3 | 3396.1 | 3087.5 |
| 57.5° | 1247.6 | 1287.0 | 1558.4 | 1887.9 | 2478.8 | 3310.5 | 3749.4 | 3697.7 | 3627.7 | 3273.6 |
| 60°   | 808.6  | 815.7  | 1094.9 | 1427.0 | 1887.6 | 2817.6 | 3675.3 | 3871.5 | 3816.8 | 3463.5 |
| 62.5° | 518.2  | 523.1  | 693.2  | 998.1  | 1358.5 | 2084.5 | 3425.9 | 3947.1 | 3930.4 | 3589.0 |
| 65°   | 380.9  | 377.1  | 465.7  | 659.7  | 915.1  | 1285.6 | 2941.5 | 3910.6 | 3943.8 | 3667.5 |
| 67.5° | 317.9  | 312.7  | 356.3  | 456.8  | 674.2  | 730.1  | 2176.5 | 3673.5 | 3794.8 | 3658.6 |
| 70°   | 289.6  | 285.2  | 311.6  | 339.2  | 526.1  | 488.8  | 1097.2 | 3193.6 | 3380.5 | 3556.9 |
| 72.5° | 245.3  | 237.5  | 273.6  | 301.2  | 409.2  | 374.9  | 453.5  | 2453.1 | 2680.9 | 3231.2 |
| 75°   | 190.2  | 185.0  | 215.9  | 265.1  | 307.5  | 292.6  | 286.7  | 1489.6 | 1738.3 | 2498.9 |
| 77.5° | 150.8  | 143.7  | 172.0  | 206.6  | 276.6  | 220.8  | 208.9  | 641.5  | 887.9  | 1595.3 |
| 80°   | 113.6  | 107.2  | 130.7  | 163.4  | 212.6  | 166.4  | 135.1  | 261.7  | 334.7  | 808.3  |
| 82.5° | 80.8   | 75.2   | 91.2   | 119.9  | 143.0  | 149.3  | 83.0   | 146.7  | 164.9  | 311.6  |
| 85°   | 51.7   | 48.4   | 61.1   | 75.2   | 90.8   | 96.1   | 50.6   | 76.7   | 84.1   | 128.4  |
| 87.5° | 28.3   | 23.1   | 32.8   | 35.0   | 42.1   | 38.3   | 24.2   | 27.9   | 30.2   | 46.5   |
| 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°  |
|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 790.8  | 0°    | 790.8  | 790.8  | 790.8  | 790.8  | 790.8  | 790.8  | 790.8 | 790.8 | 790.8 | 790.8 |
| 792.3  | 2.5°  | 793.7  | 794.9  | 798.6  | 799.7  | 802.3  | 805.7  | 807.9 | 810.1 | 810.1 | 812.4 |
| 804.2  | 5°    | 804.5  | 807.1  | 815.0  | 819.1  | 825.8  | 832.5  | 836.6 | 841.4 | 844.4 | 845.9 |
| 823.2  | 7.5°  | 825.4  | 829.5  | 840.7  | 847.7  | 859.3  | 868.6  | 874.9 | 881.6 | 883.1 | 887.2 |
| 849.6  | 10°   | 853.7  | 858.5  | 871.2  | 884.6  | 898.4  | 909.9  | 915.9 | 920.7 | 922.6 | 923.3 |
| 883.5  | 12.5° | 886.1  | 893.1  | 909.5  | 925.9  | 940.4  | 950.5  | 952.0 | 950.9 | 945.6 | 941.2 |
| 925.2  | 15°   | 925.9  | 932.2  | 950.5  | 968.4  | 982.5  | 984.4  | 975.1 | 969.1 | 962.8 | 961.6 |
| 971.7  | 17.5° | 973.6  | 976.9  | 993.7  | 1011.2 | 1012.3 | 1006.0 | 992.2 | 986.6 | 980.6 | 976.5 |
| 1032.4 | 20°   | 1029.0 | 1027.9 | 1039.8 | 1047.3 | 1039.5 | 1020.1 | 999.3 | 989.9 | 984.0 | 979.1 |
| 1106.8 | 22.5° | 1095.3 | 1086.7 | 1085.3 | 1083.4 | 1062.5 | 1022.0 | 993.7 | 981.8 | 972.4 | 965.7 |
| 1210.7 | 25°   | 1191.7 | 1159.0 | 1136.3 | 1123.6 | 1076.7 | 1011.9 | 975.8 | 949.4 | 931.9 | 920.3 |
| 1337.7 | 27.5° | 1312.4 | 1257.3 | 1199.9 | 1169.0 | 1076.7 | 991.4  | 932.6 | 889.8 | 861.1 | 849.2 |
| 1460.5 | 30°   | 1427.4 | 1369.7 | 1285.2 | 1223.7 | 1074.1 | 957.9  | 863.0 | 803.4 | 769.9 | 758.0 |
| 1565.5 | 32.5° | 1525.7 | 1462.8 | 1375.6 | 1283.7 | 1067.8 | 903.6  | 776.6 | 710.7 | 678.3 | 664.2 |
| 1669.4 | 35°   | 1616.9 | 1549.9 | 1466.5 | 1349.6 | 1051.0 | 823.9  | 681.7 | 631.4 | 595.3 | 572.6 |
| 1775.1 | 37.5° | 1710.3 | 1630.7 | 1552.5 | 1409.2 | 1020.8 | 730.8  | 608.7 | 565.9 | 523.5 | 492.9 |
| 1887.6 | 40°   | 1812.0 | 1716.7 | 1644.4 | 1444.5 | 971.3  | 642.2  | 552.1 | 513.0 | 468.0 | 435.6 |
| 2017.1 | 42.5° | 1930.7 | 1819.8 | 1746.8 | 1462.8 | 903.6  | 579.3  | 515.3 | 476.9 | 434.5 | 408.0 |
| 2156.0 | 45°   | 2054.7 | 1933.4 | 1840.3 | 1462.4 | 828.0  | 549.9  | 503.3 | 465.4 | 418.5 | 390.9 |
| 2298.6 | 47.5° | 2184.7 | 2052.1 | 1921.1 | 1438.6 | 762.5  | 554.0  | 496.6 | 440.4 | 388.7 | 361.9 |
| 2442.7 | 50°   | 2315.0 | 2182.0 | 1999.2 | 1393.9 | 734.5  | 545.0  | 471.7 | 405.4 | 344.4 | 320.2 |
| 2577.8 | 52.5° | 2444.1 | 2320.2 | 2066.6 | 1330.2 | 706.3  | 511.9  | 439.7 | 360.0 | 326.1 | 309.4 |
| 2717.4 | 55°   | 2574.1 | 2456.8 | 2140.0 | 1237.5 | 635.5  | 473.2  | 386.1 | 342.9 | 311.6 | 296.4 |
| 2854.0 | 57.5° | 2704.4 | 2614.7 | 2209.6 | 1144.8 | 546.5  | 425.5  | 356.7 | 322.0 | 297.1 | 284.1 |
| 2968.3 | 60°   | 2839.9 | 2795.2 | 2281.5 | 1059.6 | 458.7  | 364.5  | 335.1 | 305.3 | 280.0 | 265.4 |
| 3078.2 | 62.5° | 2979.5 | 2994.0 | 2337.7 | 949.7  | 377.9  | 327.3  | 315.7 | 285.2 | 260.6 | 246.8 |
| 3169.0 | 65°   | 3120.2 | 3185.8 | 2374.5 | 797.5  | 306.4  | 291.9  | 294.9 | 263.2 | 238.3 | 226.4 |
| 3235.7 | 67.5° | 3226.3 | 3323.9 | 2364.1 | 603.5  | 251.3  | 258.4  | 268.8 | 240.1 | 216.7 | 207.4 |
| 3224.9 | 70°   | 3238.3 | 3307.5 | 2261.3 | 413.3  | 210.3  | 225.6  | 239.8 | 217.4 | 193.2 | 186.5 |
| 3073.0 | 72.5° | 3079.7 | 3084.1 | 1975.0 | 269.9  | 178.0  | 198.1  | 209.2 | 194.3 | 170.9 | 164.2 |
| 2688.4 | 75°   | 2663.8 | 2550.6 | 1450.1 | 178.0  | 148.9  | 170.1  | 180.6 | 170.1 | 147.4 | 148.9 |
| 2011.5 | 77.5° | 2018.2 | 1806.4 | 880.5  | 126.6  | 124.3  | 143.0  | 157.1 | 149.7 | 130.3 | 146.3 |
| 1011.5 | 80°   | 1039.8 | 977.3  | 392.8  | 94.6   | 98.3   | 114.3  | 129.2 | 119.5 | 103.1 | 98.3  |
| 226.0  | 82.5° | 238.3  | 277.0  | 154.9  | 67.8   | 71.1   | 82.3   | 98.7  | 89.7  | 74.1  | 62.5  |
| 94.2   | 85°   | 83.4   | 91.2   | 68.5   | 42.4   | 41.7   | 51.4   | 67.0  | 59.9  | 50.3  | 40.2  |
| 39.8   | 87.5° | 26.4   | 34.6   | 25.7   | 17.1   | 17.9   | 23.1   | 30.9  | 28.3  | 23.5  | 15.3  |
| 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°  |
|-------|
| 790.8 |
| 812.4 |
| 846.6 |
| 885.7 |
| 921.4 |
| 941.2 |
| 961.6 |
| 976.9 |
| 979.5 |
| 968.0 |
| 924.8 |
| 855.2 |
| 765.1 |
| 671.3 |
| 580.0 |
| 501.1 |
| 441.9 |
| 413.3 |
| 395.4 |
| 365.6 |
| 321.7 |
| 309.4 |
| 294.9 |
| 281.8 |
| 264.3 |
| 246.5 |
| 226.0 |
| 207.7 |
| 186.9 |
| 163.8 |
| 143.7 |
| 128.8 |
| 89.7  |
| 61.8  |
| 42.4  |
| 16.0  |
| 0.0   |