

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: P946650

Luminaire Tested: **GLAN-SB2B-727-U-T2R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946650  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-727-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 10639 lumens  
Efficiency: N/A  
Efficacy: 144.0 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



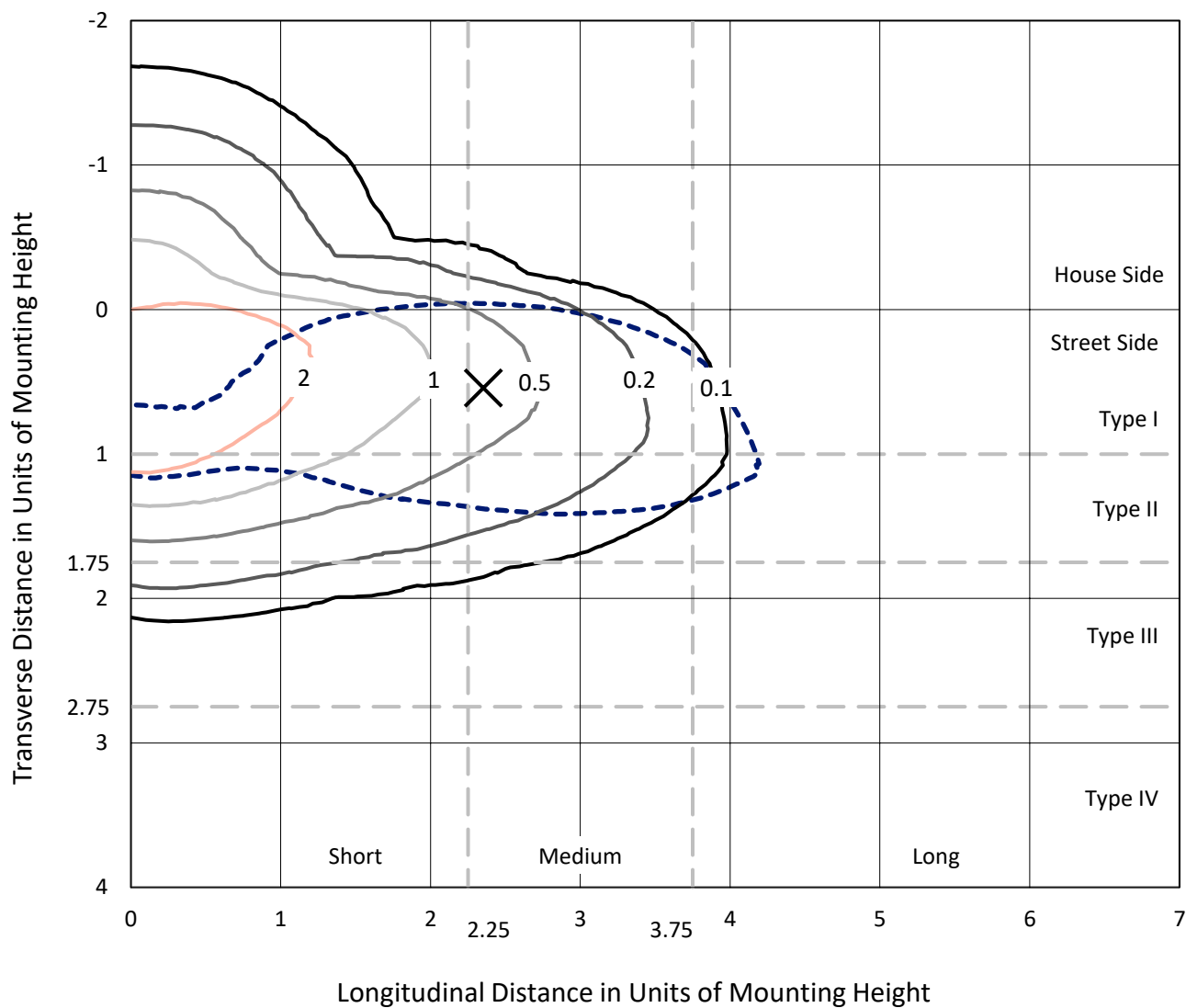
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## Iso-Footcandle Lines of Horizontal Illumination

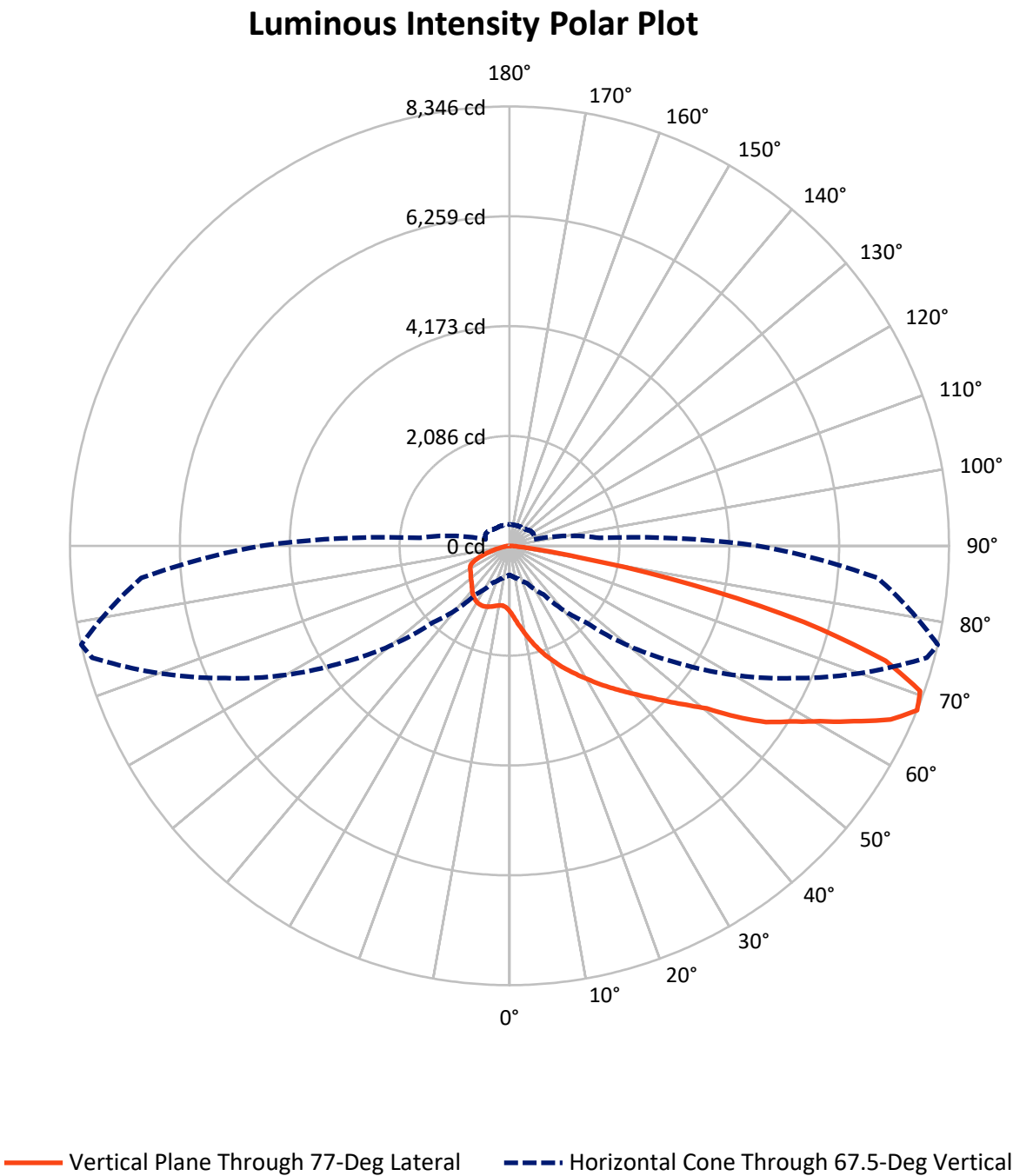
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type II - Medium - N/A

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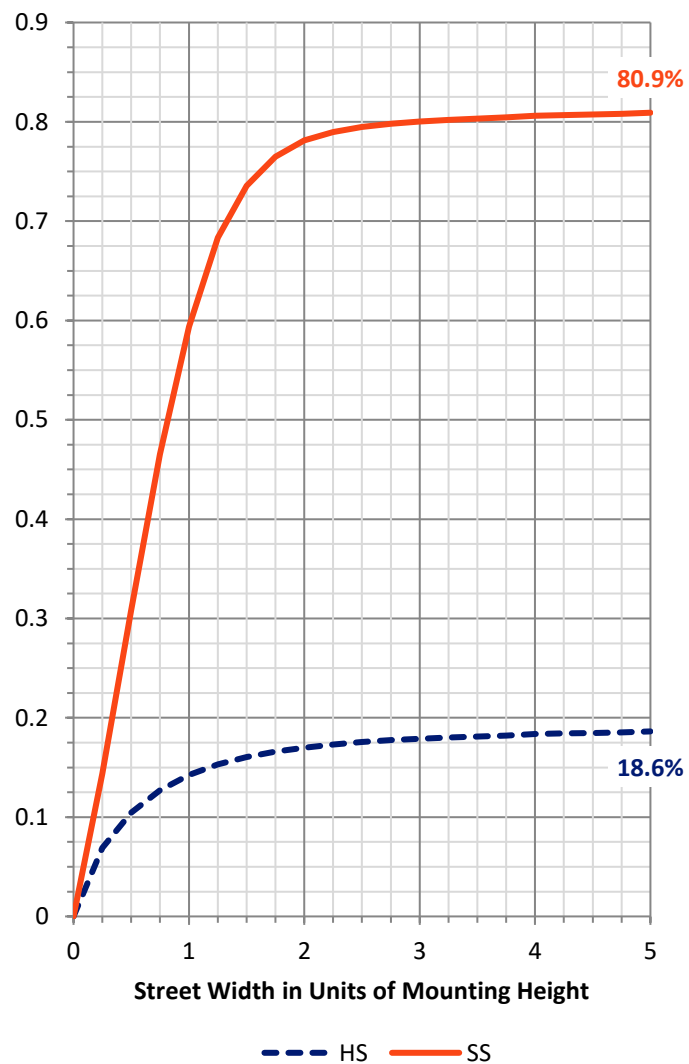
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2012.5   | 0.0    | 2012.5  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 8626.5   | 0.0    | 8626.5  |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 10639.0  | 0.0    | 10639.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 133.8   | 1.3       |
| 10°-20°   | 480.7   | 4.5       |
| 20°-30°   | 907.6   | 8.5       |
| 30°-40°   | 1462.1  | 13.7      |
| 40°-50°   | 1999.9  | 18.8      |
| 50°-60°   | 2255.9  | 21.2      |
| 60°-70°   | 2105.6  | 19.8      |
| 70°-80°   | 1154.2  | 10.8      |
| 80°-90°   | 139.2   | 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°    | 10639.0 | 100.0     |
| 0°-180°   | 10639.0 | 100.0     |

**Coefficient of Utilization**



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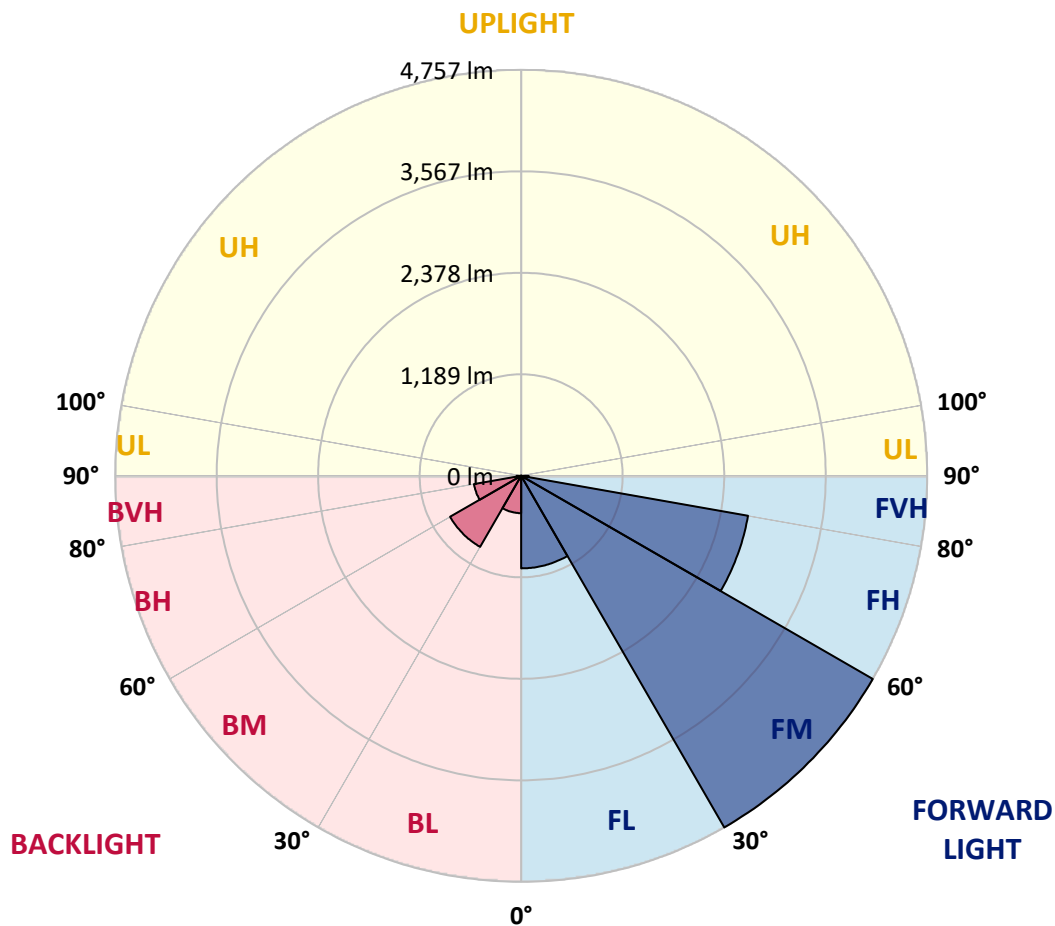
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1084.5 | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 4756.6 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 2698.4 | 25.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 87.1   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 437.6  | 4.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 961.3  | 9.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 561.4  | 5.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 52.2   | 0.5       |                         |      | 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°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 |
| 2.5°  | 1563.0 | 1573.9 | 1560.2 | 1560.2 | 1514.1 | 1489.9 | 1443.8 | 1408.6 | 1345.5 | 1334.5 |
| 5°    | 1847.4 | 1861.2 | 1841.9 | 1833.7 | 1779.3 | 1729.4 | 1651.9 | 1575.6 | 1463.0 | 1451.5 |
| 7.5°  | 2067.7 | 2085.2 | 2068.2 | 2059.4 | 2011.1 | 1955.1 | 1864.5 | 1757.9 | 1599.2 | 1576.7 |
| 10°   | 2247.2 | 2250.0 | 2244.5 | 2247.8 | 2209.9 | 2163.8 | 2071.0 | 1946.8 | 1748.6 | 1717.8 |
| 12.5° | 2348.8 | 2361.5 | 2372.5 | 2392.2 | 2385.6 | 2357.1 | 2273.6 | 2125.3 | 1906.8 | 1867.2 |
| 15°   | 2396.6 | 2418.6 | 2443.3 | 2488.9 | 2525.7 | 2532.8 | 2469.1 | 2317.0 | 2067.7 | 2019.9 |
| 17.5° | 2413.6 | 2434.5 | 2473.5 | 2539.4 | 2618.5 | 2671.8 | 2643.2 | 2503.2 | 2226.9 | 2172.0 |
| 20°   | 2499.9 | 2505.9 | 2529.5 | 2592.1 | 2677.8 | 2766.2 | 2787.6 | 2682.2 | 2384.5 | 2322.5 |
| 22.5° | 2684.4 | 2672.3 | 2678.9 | 2707.5 | 2769.0 | 2854.6 | 2903.5 | 2840.4 | 2546.5 | 2475.2 |
| 25°   | 2989.2 | 2954.0 | 2918.9 | 2885.9 | 2917.2 | 2965.6 | 3021.0 | 2998.5 | 2716.2 | 2625.6 |
| 27.5° | 3374.2 | 3331.3 | 3253.9 | 3145.7 | 3107.8 | 3124.8 | 3149.5 | 3145.2 | 2873.3 | 2781.6 |
| 30°   | 3753.1 | 3703.1 | 3610.9 | 3454.3 | 3354.4 | 3309.4 | 3290.7 | 3278.1 | 3044.1 | 2946.3 |
| 32.5° | 4055.7 | 4016.2 | 3925.5 | 3750.3 | 3605.4 | 3528.5 | 3466.4 | 3421.4 | 3222.6 | 3124.8 |
| 35°   | 4320.4 | 4283.6 | 4179.8 | 3988.7 | 3831.1 | 3749.2 | 3668.0 | 3571.9 | 3408.2 | 3309.4 |
| 37.5° | 4562.0 | 4525.2 | 4383.0 | 4184.2 | 4025.5 | 3968.9 | 3896.4 | 3733.3 | 3594.4 | 3501.0 |
| 40°   | 4714.7 | 4706.5 | 4573.6 | 4348.4 | 4183.7 | 4155.6 | 4131.5 | 3920.6 | 3800.9 | 3714.1 |
| 42.5° | 4753.7 | 4771.8 | 4666.4 | 4481.3 | 4324.2 | 4301.7 | 4358.3 | 4132.6 | 4032.6 | 3949.7 |
| 45°   | 4659.8 | 4712.0 | 4642.8 | 4517.0 | 4424.2 | 4412.1 | 4559.3 | 4364.3 | 4289.1 | 4213.3 |
| 47.5° | 4422.0 | 4510.4 | 4481.9 | 4464.3 | 4451.1 | 4503.3 | 4736.1 | 4610.4 | 4579.6 | 4513.7 |
| 50°   | 3942.0 | 4109.5 | 4159.5 | 4270.4 | 4397.8 | 4574.1 | 4897.0 | 4878.9 | 4919.0 | 4852.6 |
| 52.5° | 3112.2 | 3342.9 | 3632.8 | 3910.7 | 4234.2 | 4550.5 | 5073.9 | 5264.4 | 5433.6 | 5397.3 |
| 55°   | 2569.1 | 2672.9 | 2895.8 | 3405.5 | 3916.7 | 4451.1 | 5153.5 | 5575.8 | 5944.3 | 5911.9 |
| 57.5° | 2151.7 | 2244.5 | 2381.8 | 2807.4 | 3436.8 | 4225.4 | 5202.9 | 5765.8 | 6294.1 | 6290.9 |
| 60°   | 1704.1 | 1802.4 | 1943.0 | 2244.5 | 2876.1 | 3835.5 | 5191.9 | 5982.2 | 6740.6 | 6768.1 |
| 62.5° | 1198.9 | 1307.0 | 1463.0 | 1744.2 | 2303.3 | 3330.2 | 4967.9 | 6138.7 | 7266.2 | 7340.9 |
| 65°   | 788.1  | 859.5  | 977.0  | 1219.7 | 1716.2 | 2680.5 | 4540.1 | 6159.0 | 7828.6 | 7954.9 |
| 67.5° | 552.5  | 579.9  | 649.1  | 780.9  | 1131.3 | 2055.6 | 3858.5 | 5948.7 | 8203.6 | 8345.9 |
| 70°   | 431.1  | 444.8  | 480.0  | 532.7  | 710.6  | 1382.3 | 2956.8 | 5401.7 | 8123.5 | 8271.7 |
| 72.5° | 372.3  | 385.5  | 398.7  | 405.3  | 476.7  | 853.4  | 2002.9 | 4516.5 | 7368.3 | 7468.8 |
| 75°   | 337.7  | 341.0  | 352.0  | 349.8  | 363.6  | 553.6  | 1156.0 | 3290.7 | 5813.6 | 5779.0 |
| 77.5° | 283.9  | 288.3  | 306.4  | 303.7  | 322.9  | 378.4  | 600.3  | 2123.7 | 3769.0 | 3534.0 |
| 80°   | 240.5  | 242.7  | 262.5  | 259.2  | 280.6  | 274.0  | 306.4  | 1082.4 | 1598.7 | 1354.3 |
| 82.5° | 83.5   | 103.2  | 200.5  | 206.5  | 214.2  | 165.9  | 176.8  | 441.5  | 488.2  | 374.0  |
| 85°   | 40.6   | 43.4   | 102.1  | 145.0  | 144.4  | 83.5   | 86.2   | 157.6  | 153.8  | 120.8  |
| 87.5° | 6.6    | 8.2    | 12.1   | 56.6   | 45.0   | 22.0   | 29.7   | 30.8   | 31.9   | 27.5   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1248.3 | 0°    | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 |
| 1292.8 | 2.5°  | 1262.0 | 1234.6 | 1176.9 | 1123.6 | 1081.9 | 1041.8 | 1019.3 | 1000.1 | 989.1  | 986.9  |
| 1353.2 | 5°    | 1296.1 | 1239.5 | 1134.6 | 1046.2 | 988.5  | 945.7  | 923.2  | 908.9  | 901.8  | 897.4  |
| 1434.5 | 7.5°  | 1344.9 | 1262.0 | 1112.6 | 1012.1 | 951.7  | 921.0  | 909.4  | 907.2  | 906.7  | 907.2  |
| 1532.8 | 10°   | 1412.5 | 1298.8 | 1110.4 | 1003.9 | 953.4  | 936.4  | 935.8  | 936.4  | 938.5  | 939.1  |
| 1639.9 | 12.5° | 1485.5 | 1336.7 | 1119.2 | 1011.0 | 974.2  | 964.9  | 963.3  | 962.7  | 964.4  | 965.5  |
| 1748.0 | 15°   | 1565.2 | 1386.7 | 1134.1 | 1026.4 | 997.3  | 987.4  | 985.8  | 982.5  | 981.9  | 981.4  |
| 1861.7 | 17.5° | 1647.0 | 1436.1 | 1150.5 | 1042.9 | 1012.1 | 998.4  | 992.4  | 984.7  | 978.6  | 977.0  |
| 1979.2 | 20°   | 1729.9 | 1485.0 | 1162.1 | 1051.1 | 1013.2 | 994.0  | 981.9  | 968.8  | 958.3  | 952.3  |
| 2097.9 | 22.5° | 1818.3 | 1536.1 | 1169.2 | 1048.9 | 1003.4 | 977.0  | 955.0  | 939.6  | 923.7  | 913.3  |
| 2217.6 | 25°   | 1904.6 | 1580.5 | 1168.7 | 1037.4 | 984.1  | 950.6  | 922.6  | 902.9  | 880.9  | 869.9  |
| 2341.2 | 27.5° | 1987.5 | 1620.6 | 1154.9 | 1017.1 | 956.7  | 919.3  | 885.8  | 862.2  | 840.8  | 830.4  |
| 2465.8 | 30°   | 2073.2 | 1654.1 | 1133.5 | 987.4  | 924.3  | 883.1  | 846.3  | 826.0  | 806.7  | 796.9  |
| 2597.6 | 32.5° | 2158.3 | 1684.9 | 1103.3 | 950.6  | 886.9  | 847.4  | 811.1  | 792.5  | 780.9  | 780.9  |
| 2739.3 | 35°   | 2248.3 | 1706.3 | 1063.2 | 907.8  | 847.4  | 809.5  | 780.9  | 769.9  | 768.9  | 762.3  |
| 2889.2 | 37.5° | 2343.3 | 1720.0 | 1014.3 | 863.9  | 808.4  | 772.7  | 763.9  | 750.7  | 739.7  | 725.5  |
| 3054.0 | 40°   | 2443.3 | 1733.8 | 955.6  | 818.3  | 767.2  | 747.4  | 743.6  | 726.0  | 694.7  | 659.6  |
| 3240.7 | 42.5° | 2564.7 | 1743.1 | 894.6  | 772.7  | 723.8  | 717.2  | 722.7  | 692.5  | 642.5  | 616.2  |
| 3465.9 | 45°   | 2705.3 | 1758.5 | 838.6  | 727.7  | 679.3  | 679.3  | 702.4  | 662.9  | 621.7  | 605.2  |
| 3722.9 | 47.5° | 2887.6 | 1794.2 | 786.4  | 678.2  | 638.1  | 649.1  | 657.4  | 627.2  | 604.1  | 583.8  |
| 4035.9 | 50°   | 3151.2 | 1879.8 | 732.6  | 628.3  | 606.8  | 628.8  | 617.3  | 599.7  | 572.8  | 556.3  |
| 4533.5 | 52.5° | 3478.5 | 1930.4 | 684.8  | 583.2  | 579.9  | 601.9  | 585.4  | 569.0  | 548.6  | 526.7  |
| 4910.8 | 55°   | 3701.5 | 1939.7 | 644.7  | 550.3  | 561.8  | 559.6  | 553.6  | 538.7  | 527.8  | 498.7  |
| 5283.1 | 57.5° | 3950.8 | 1958.4 | 611.8  | 530.5  | 550.3  | 526.1  | 523.9  | 511.3  | 497.0  | 477.2  |
| 5737.3 | 60°   | 4249.0 | 1987.5 | 583.2  | 522.8  | 540.4  | 504.1  | 493.2  | 488.2  | 473.9  | 464.1  |
| 6283.7 | 62.5° | 4574.1 | 2013.8 | 554.1  | 523.9  | 528.9  | 482.7  | 466.3  | 464.6  | 455.8  | 452.5  |
| 6796.6 | 65°   | 4796.0 | 1941.9 | 517.9  | 522.8  | 510.7  | 460.8  | 439.9  | 439.3  | 432.2  | 431.1  |
| 7019.1 | 67.5° | 4718.6 | 1714.0 | 469.0  | 507.4  | 492.1  | 438.8  | 415.7  | 413.5  | 404.2  | 404.7  |
| 6786.8 | 70°   | 4330.8 | 1388.9 | 401.5  | 469.5  | 469.0  | 419.0  | 390.5  | 383.3  | 370.7  | 372.9  |
| 5900.9 | 72.5° | 3603.7 | 1029.2 | 310.8  | 406.4  | 432.2  | 400.9  | 361.4  | 349.8  | 333.9  | 336.1  |
| 4356.1 | 75°   | 2602.6 | 699.7  | 226.3  | 309.2  | 376.2  | 379.5  | 332.8  | 313.0  | 293.8  | 297.1  |
| 2424.6 | 77.5° | 1331.8 | 396.5  | 166.4  | 213.1  | 295.5  | 344.9  | 307.0  | 280.6  | 276.2  | 307.0  |
| 699.1  | 80°   | 434.4  | 198.8  | 115.3  | 149.4  | 193.9  | 282.3  | 269.1  | 238.9  | 237.8  | 244.9  |
| 146.6  | 82.5° | 129.6  | 84.0   | 74.1   | 98.3   | 107.1  | 216.4  | 232.3  | 180.7  | 155.4  | 163.7  |
| 48.9   | 85°   | 44.5   | 40.6   | 42.3   | 48.9   | 51.1   | 126.9  | 162.6  | 119.7  | 113.1  | 124.7  |
| 11.0   | 87.5° | 10.4   | 14.3   | 12.1   | 11.0   | 11.0   | 30.8   | 63.2   | 50.0   | 69.2   | 46.1   |
| 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°   |
|--------|
| 1248.3 |
| 986.9  |
| 896.8  |
| 908.9  |
| 939.6  |
| 966.0  |
| 980.8  |
| 978.6  |
| 954.5  |
| 913.8  |
| 869.9  |
| 829.8  |
| 796.3  |
| 781.5  |
| 760.6  |
| 723.3  |
| 654.6  |
| 616.7  |
| 607.9  |
| 583.2  |
| 554.7  |
| 522.3  |
| 499.2  |
| 470.6  |
| 466.8  |
| 452.5  |
| 430.6  |
| 404.7  |
| 375.1  |
| 335.5  |
| 298.2  |
| 302.6  |
| 210.3  |
| 169.1  |
| 123.0  |
| 44.5   |
| 0.0    |

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