

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: P944285

Luminaire Tested: **GLAN-SB9A-930-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944285  
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-SB9A-930-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28163 lumens  
Efficiency: N/A  
Efficacy: 110.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 255.5  
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



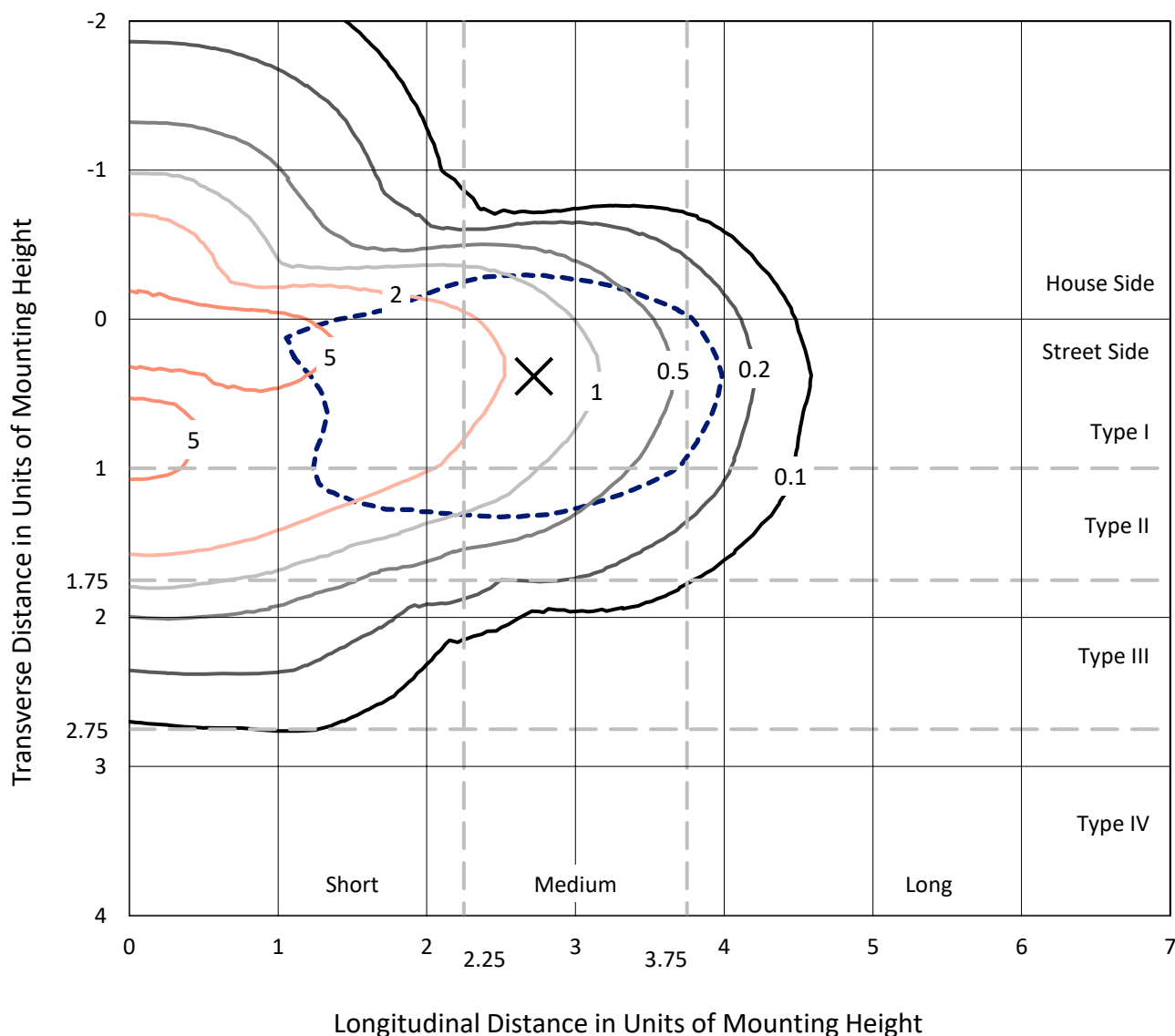
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

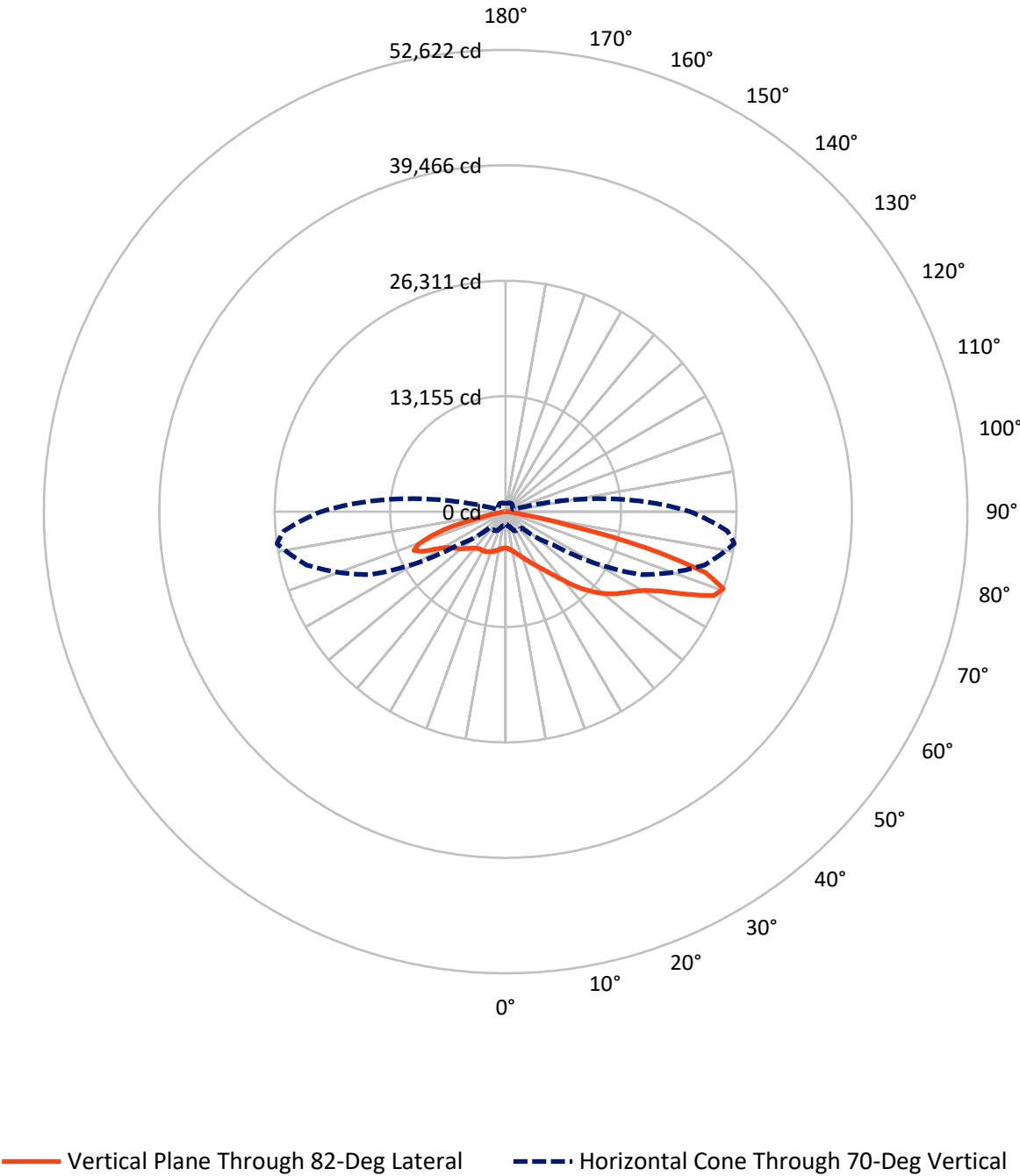
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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    | 6942.9   | 0.0    | 6942.9  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 21220.1  | 0.0    | 21220.1 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 28163.0  | 0.0    | 28163.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 389.9   | 1.4       |
| 10°-20°   | 1120.1  | 4.0       |
| 20°-30°   | 1873.8  | 6.7       |
| 30°-40°   | 2927.3  | 10.4      |
| 40°-50°   | 4662.1  | 16.6      |
| 50°-60°   | 6487.9  | 23.0      |
| 60°-70°   | 6786.6  | 24.1      |
| 70°-80°   | 3547.1  | 12.6      |
| 80°-90°   | 368.3   | 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°    | 28163.0 | 100.0     |
| 0°-180°   | 28163.0 | 100.0     |

**Coefficient of Utilization**



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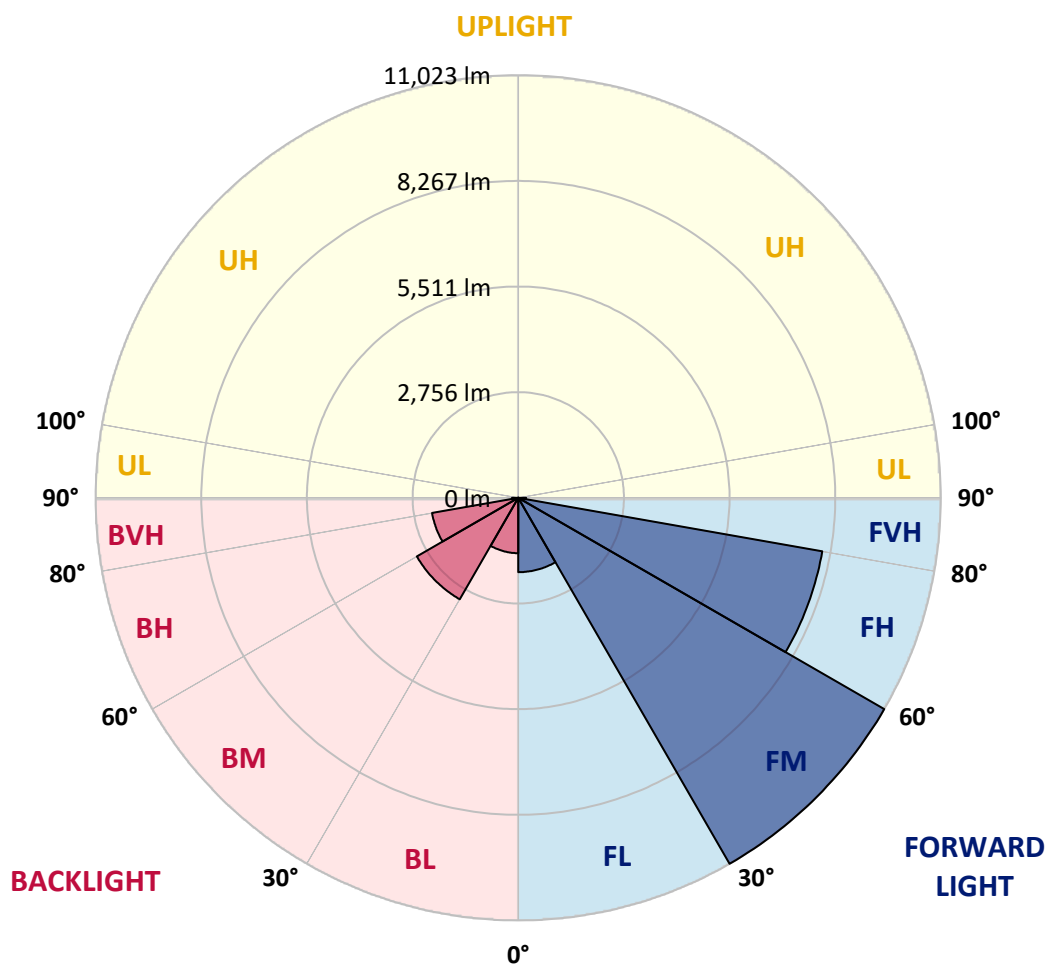
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1939.3  | 6.9       |                         |      |          |
| FM   | (30°-60°)   | 11022.7 | 39.1      |                         |      |          |
| FH   | (60°-80°)   | 8051.9  | 28.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 206.2   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1444.4  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3054.6  | 10.8      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2281.8  | 8.1       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 162.1   | 0.6       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4129.0  | 4129.0  | 4129.0  | 4129.0  | 4129.0  | 4129.0  | 4129.0  | 4129.0  | 4129.0  | 4129.0  |
| 2.5°  | 4227.7  | 4251.6  | 4244.1  | 4236.6  | 4236.6  | 4226.2  | 4224.7  | 4209.7  | 4197.8  | 4178.4  |
| 5°    | 4281.5  | 4306.9  | 4303.9  | 4309.9  | 4329.3  | 4333.8  | 4338.3  | 4329.3  | 4305.4  | 4281.5  |
| 7.5°  | 4233.7  | 4262.1  | 4271.0  | 4306.9  | 4366.7  | 4420.5  | 4460.8  | 4477.2  | 4454.8  | 4420.5  |
| 10°   | 4072.3  | 4103.6  | 4135.0  | 4220.2  | 4326.3  | 4453.3  | 4560.9  | 4625.2  | 4620.7  | 4587.8  |
| 12.5° | 3745.0  | 3777.9  | 3845.1  | 4011.0  | 4205.3  | 4429.4  | 4629.7  | 4764.2  | 4810.5  | 4786.6  |
| 15°   | 3483.5  | 3511.9  | 3562.7  | 3733.0  | 3985.6  | 4326.3  | 4655.1  | 4916.6  | 5034.7  | 5021.2  |
| 17.5° | 3476.0  | 3487.9  | 3519.3  | 3600.0  | 3794.3  | 4164.9  | 4628.2  | 5066.0  | 5291.7  | 5290.2  |
| 20°   | 3607.5  | 3612.0  | 3629.9  | 3646.4  | 3756.9  | 4042.4  | 4559.4  | 5190.1  | 5580.1  | 5580.1  |
| 22.5° | 3789.8  | 3786.8  | 3804.8  | 3789.8  | 3843.6  | 4031.9  | 4516.1  | 5299.2  | 5901.4  | 5925.3  |
| 25°   | 4063.3  | 4048.3  | 4043.9  | 4009.5  | 4020.0  | 4129.0  | 4563.9  | 5423.2  | 6282.5  | 6331.8  |
| 27.5° | 4427.9  | 4404.0  | 4387.6  | 4308.4  | 4281.5  | 4329.3  | 4710.4  | 5572.6  | 6706.9  | 6792.1  |
| 30°   | 4903.2  | 4859.8  | 4835.9  | 4698.4  | 4601.3  | 4608.8  | 4931.5  | 5771.4  | 7150.7  | 7288.2  |
| 32.5° | 5551.7  | 5484.5  | 5420.2  | 5194.6  | 5016.7  | 4958.4  | 5217.0  | 6046.4  | 7631.9  | 7851.6  |
| 35°   | 6278.0  | 6224.2  | 6155.5  | 5807.3  | 5533.8  | 5399.3  | 5602.5  | 6430.4  | 8195.3  | 8543.5  |
| 37.5° | 6977.4  | 6931.1  | 6963.9  | 6494.7  | 6142.0  | 5946.2  | 6107.6  | 6946.0  | 8890.2  | 9404.3  |
| 40°   | 7700.7  | 7664.8  | 7669.3  | 7221.0  | 6810.0  | 6590.3  | 6720.4  | 7593.1  | 9686.7  | 10428.0 |
| 42.5° | 8486.7  | 8459.8  | 8370.2  | 7972.7  | 7510.9  | 7306.2  | 7425.7  | 8340.3  | 10541.6 | 11593.6 |
| 45°   | 9366.9  | 9350.5  | 9266.8  | 8811.0  | 8282.0  | 8051.9  | 8213.3  | 9165.2  | 11400.8 | 12690.5 |
| 47.5° | 10127.6 | 10141.0 | 10130.6 | 9746.5  | 9198.1  | 8860.3  | 9053.1  | 10026.0 | 12200.3 | 13721.6 |
| 50°   | 10493.7 | 10564.0 | 10667.1 | 10547.5 | 10206.8 | 9863.1  | 9900.4  | 10856.9 | 12962.5 | 14688.5 |
| 52.5° | 10302.4 | 10435.4 | 10716.4 | 10907.7 | 11039.2 | 10967.5 | 10867.3 | 11681.8 | 13679.8 | 15561.3 |
| 55°   | 9589.6  | 9776.4  | 10242.7 | 10704.4 | 11375.4 | 11897.0 | 12028.5 | 12596.4 | 14379.2 | 16329.4 |
| 57.5° | 8291.0  | 8594.3  | 9012.8  | 9946.8  | 11076.5 | 12346.8 | 13382.4 | 13865.1 | 15120.4 | 17149.8 |
| 60°   | 6064.3  | 6470.8  | 6990.8  | 8380.6  | 10030.5 | 12106.2 | 14534.6 | 15813.8 | 16174.0 | 18212.3 |
| 62.5° | 3881.0  | 4132.0  | 4610.2  | 5919.3  | 7815.8  | 10873.3 | 14887.3 | 18249.7 | 17959.8 | 19954.8 |
| 65°   | 2657.1  | 2818.5  | 3256.3  | 3991.6  | 5052.6  | 8093.7  | 13942.8 | 20075.9 | 20796.2 | 22716.5 |
| 67.5° | 1930.8  | 2053.3  | 2426.9  | 3071.0  | 3292.2  | 4789.6  | 10819.5 | 19992.2 | 23553.4 | 25561.8 |
| 70°   | 1407.7  | 1494.4  | 1808.2  | 2426.9  | 2533.0  | 2664.5  | 6554.5  | 16994.4 | 23493.6 | 26318.0 |
| 72.5° | 1043.1  | 1102.9  | 1313.6  | 1883.0  | 2050.3  | 1799.3  | 3244.4  | 12351.3 | 20188.0 | 23804.4 |
| 75°   | 754.7   | 799.5   | 954.9   | 1440.6  | 1640.9  | 1370.4  | 1618.4  | 7218.0  | 14081.8 | 16744.8 |
| 77.5° | 576.8   | 611.2   | 712.8   | 1055.1  | 1313.6  | 1028.2  | 1004.2  | 3320.6  | 6677.0  | 6709.9  |
| 80°   | 463.3   | 485.7   | 541.0   | 742.7   | 1007.2  | 769.6   | 654.6   | 1340.5  | 2110.1  | 1785.8  |
| 82.5° | 340.7   | 378.1   | 457.3   | 521.5   | 720.3   | 530.5   | 399.0   | 677.0   | 802.5   | 690.4   |
| 85°   | 194.3   | 219.7   | 276.5   | 373.6   | 460.3   | 324.3   | 228.6   | 300.4   | 373.6   | 306.4   |
| 87.5° | 68.7    | 89.7    | 97.1    | 146.5   | 200.3   | 134.5   | 88.2    | 86.7    | 122.5   | 91.2    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4129.0  | 0°    | 4129.0  | 4129.0  | 4129.0 | 4129.0 | 4129.0 | 4129.0 | 4129.0 | 4129.0 | 4129.0 | 4129.0 |
| 4173.9  | 2.5°  | 4158.9  | 4151.5  | 4121.6 | 4081.2 | 4039.4 | 3999.0 | 3985.6 | 3957.2 | 3937.8 | 3927.3 |
| 4271.0  | 5°    | 4242.6  | 4218.7  | 4148.5 | 4058.8 | 3964.7 | 3863.0 | 3791.3 | 3725.6 | 3677.7 | 3632.9 |
| 4404.0  | 7.5°  | 4362.2  | 4320.3  | 4199.3 | 4042.4 | 3875.0 | 3706.1 | 3580.6 | 3485.0 | 3420.7 | 3378.9 |
| 4559.4  | 10°   | 4501.2  | 4436.9  | 4251.6 | 4017.0 | 3758.4 | 3516.3 | 3368.4 | 3286.2 | 3245.9 | 3223.4 |
| 4737.3  | 12.5° | 4661.1  | 4569.9  | 4305.4 | 3958.7 | 3580.6 | 3304.1 | 3202.5 | 3178.6 | 3180.1 | 3181.6 |
| 4961.4  | 15°   | 4858.3  | 4731.3  | 4348.7 | 3831.7 | 3349.0 | 3141.2 | 3123.3 | 3162.2 | 3202.5 | 3221.9 |
| 5215.5  | 17.5° | 5081.0  | 4901.7  | 4356.2 | 3622.4 | 3121.8 | 3036.6 | 3093.4 | 3177.1 | 3238.4 | 3265.3 |
| 5499.4  | 20°   | 5320.1  | 5075.0  | 4302.4 | 3326.6 | 2935.0 | 2951.5 | 3053.1 | 3160.7 | 3227.9 | 3262.3 |
| 5823.7  | 22.5° | 5593.6  | 5260.3  | 4173.9 | 3015.7 | 2782.6 | 2858.8 | 2978.4 | 3083.0 | 3153.2 | 3187.6 |
| 6204.8  | 25°   | 5905.9  | 5468.0  | 3972.1 | 2754.2 | 2651.1 | 2754.2 | 2873.7 | 2960.4 | 3017.2 | 3048.6 |
| 6630.7  | 27.5° | 6252.6  | 5684.7  | 3703.1 | 2546.5 | 2536.0 | 2646.6 | 2745.2 | 2812.5 | 2842.4 | 2866.3 |
| 7083.5  | 30°   | 6600.8  | 5882.0  | 3377.4 | 2389.6 | 2435.9 | 2540.5 | 2610.7 | 2640.6 | 2649.6 | 2654.1 |
| 7588.6  | 32.5° | 6977.4  | 6052.4  | 3035.1 | 2259.5 | 2340.2 | 2437.4 | 2479.2 | 2492.7 | 2450.8 | 2422.4 |
| 8201.3  | 35°   | 7433.2  | 6234.7  | 2700.4 | 2156.4 | 2246.1 | 2329.8 | 2343.2 | 2331.3 | 2282.0 | 2223.7 |
| 8969.4  | 37.5° | 7996.6  | 6461.8  | 2432.9 | 2083.2 | 2157.9 | 2213.2 | 2196.8 | 2193.8 | 2198.3 | 2129.5 |
| 9893.0  | 40°   | 8687.0  | 6757.7  | 2237.1 | 2026.4 | 2086.2 | 2098.1 | 2051.8 | 2077.2 | 2099.6 | 1995.0 |
| 10906.2 | 42.5° | 9453.6  | 7114.9  | 2113.1 | 1987.6 | 2026.4 | 1998.0 | 1926.3 | 1954.7 | 1951.7 | 1814.2 |
| 11923.9 | 45°   | 10235.2 | 7503.4  | 2069.8 | 1959.2 | 1971.1 | 1914.3 | 1835.1 | 1842.6 | 1779.8 | 1655.8 |
| 12899.7 | 47.5° | 11012.3 | 7920.4  | 2096.7 | 1935.3 | 1902.4 | 1838.1 | 1776.9 | 1744.0 | 1651.3 | 1558.7 |
| 13835.2 | 50°   | 11774.4 | 8358.2  | 2195.3 | 1887.4 | 1808.2 | 1770.9 | 1726.0 | 1667.8 | 1569.1 | 1489.9 |
| 14719.9 | 52.5° | 12481.3 | 8799.1  | 2305.9 | 1808.2 | 1690.2 | 1712.6 | 1684.2 | 1616.9 | 1519.8 | 1439.1 |
| 15556.8 | 55°   | 13150.8 | 9239.9  | 2349.2 | 1699.1 | 1579.6 | 1661.8 | 1645.3 | 1521.3 | 1404.7 | 1339.0 |
| 16432.5 | 57.5° | 13880.1 | 9770.4  | 2301.4 | 1560.2 | 1489.9 | 1603.5 | 1540.7 | 1403.2 | 1336.0 | 1286.7 |
| 17572.7 | 60°   | 14890.3 | 10602.8 | 2198.3 | 1388.3 | 1404.7 | 1516.8 | 1409.2 | 1352.4 | 1279.2 | 1223.9 |
| 19282.3 | 62.5° | 16568.5 | 12155.5 | 2032.4 | 1217.9 | 1304.6 | 1388.3 | 1346.5 | 1289.7 | 1215.0 | 1161.2 |
| 22205.4 | 65°   | 19049.2 | 14313.4 | 1720.1 | 1084.9 | 1192.5 | 1262.8 | 1279.2 | 1222.4 | 1144.7 | 1087.9 |
| 24766.8 | 67.5° | 21141.4 | 15667.4 | 1301.6 | 974.4  | 1077.5 | 1161.2 | 1207.5 | 1152.2 | 1070.0 | 1014.7 |
| 25366.1 | 70°   | 21026.3 | 14684.0 | 993.8  | 865.3  | 975.8  | 1061.0 | 1120.8 | 1077.5 | 989.3  | 937.0  |
| 23040.8 | 72.5° | 18675.6 | 12284.0 | 804.0  | 754.7  | 872.7  | 956.4  | 1028.2 | 995.3  | 905.6  | 854.8  |
| 16879.3 | 75°   | 13720.2 | 8719.9  | 642.6  | 642.6  | 744.2  | 847.3  | 926.5  | 905.6  | 823.4  | 787.6  |
| 7086.5  | 77.5° | 5783.4  | 3658.3  | 503.6  | 533.5  | 618.7  | 727.8  | 826.4  | 833.9  | 762.1  | 807.0  |
| 1874.0  | 80°   | 1537.7  | 1008.7  | 384.1  | 419.9  | 485.7  | 600.8  | 718.8  | 715.8  | 638.1  | 596.3  |
| 696.4   | 82.5° | 585.8   | 397.5   | 273.5  | 295.9  | 351.2  | 460.3  | 569.4  | 587.3  | 509.6  | 440.9  |
| 273.5   | 85°   | 225.7   | 170.4   | 168.9  | 177.8  | 204.7  | 304.9  | 430.4  | 445.3  | 384.1  | 325.8  |
| 76.2    | 87.5° | 58.3    | 50.8    | 62.8   | 59.8   | 94.1   | 162.9  | 246.6  | 255.5  | 234.6  | 136.0  |
| 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°   |
|--------|
| 4129.0 |
| 3939.3 |
| 3650.8 |
| 3387.8 |
| 3229.4 |
| 3184.6 |
| 3220.4 |
| 3271.3 |
| 3271.3 |
| 3196.5 |
| 3057.6 |
| 2875.2 |
| 2664.5 |
| 2431.4 |
| 2226.7 |
| 2134.0 |
| 1998.0 |
| 1812.7 |
| 1660.3 |
| 1558.7 |
| 1483.9 |
| 1440.6 |
| 1333.0 |
| 1282.2 |
| 1220.9 |
| 1161.2 |
| 1090.9 |
| 1016.2 |
| 941.5  |
| 854.8  |
| 777.1  |
| 732.3  |
| 554.4  |
| 440.9  |
| 336.2  |
| 194.3  |
| 0.0    |