

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: P954024

Luminaire Tested: **GLAN-SB7B-927-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-927-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20294 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G4

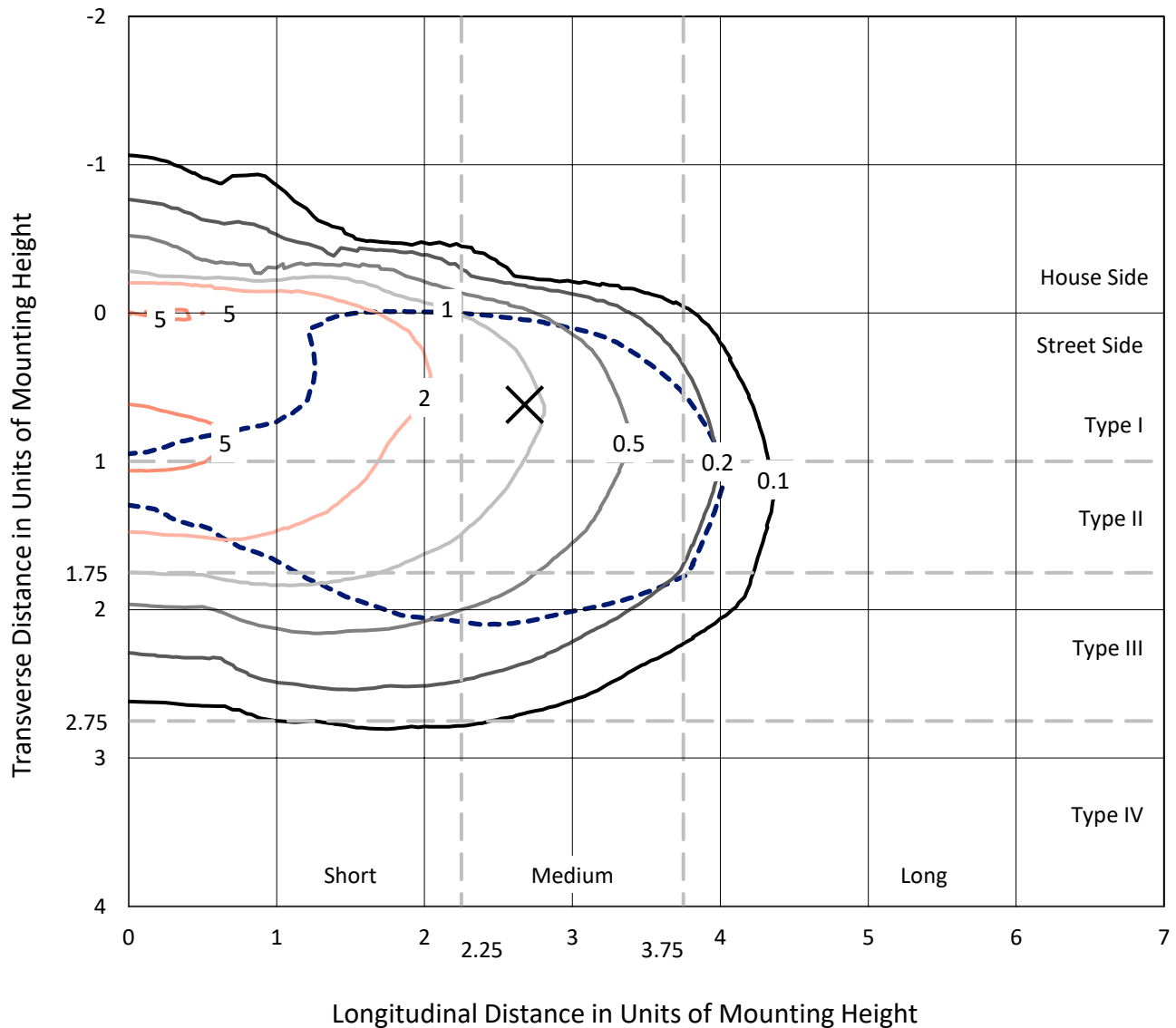
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

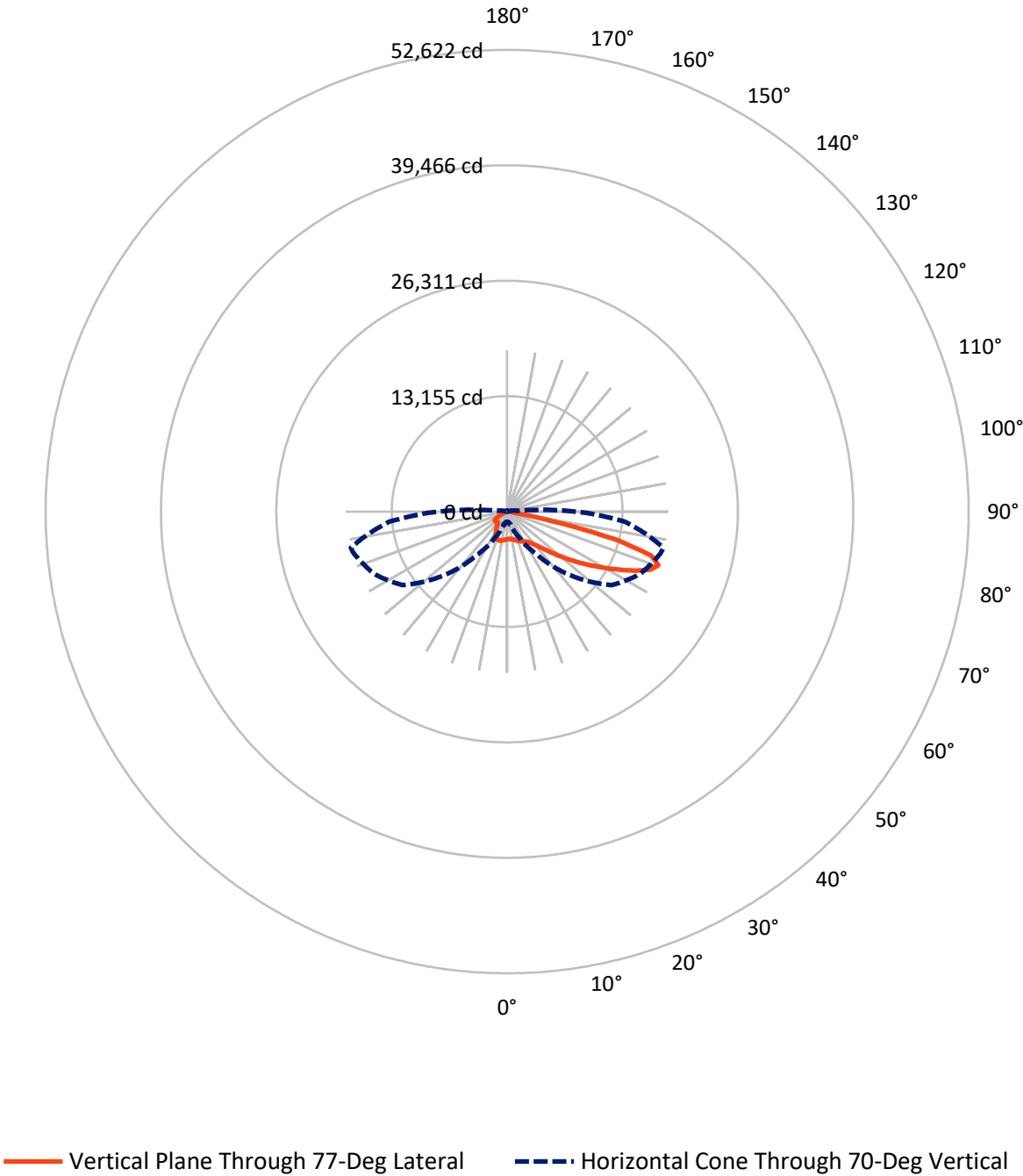
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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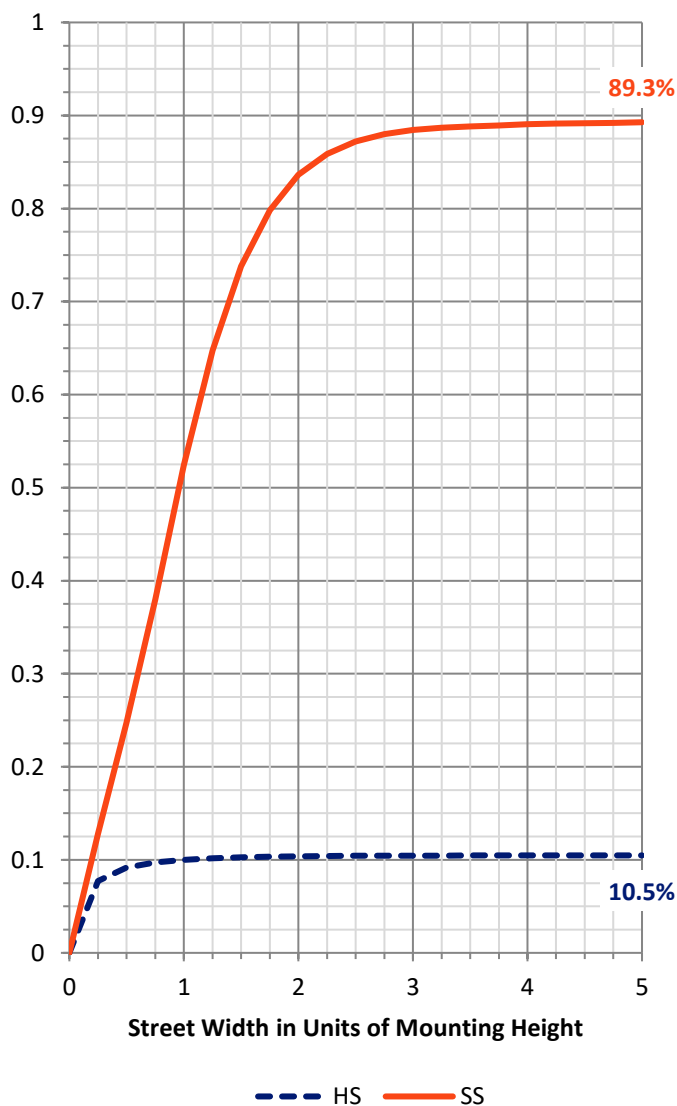
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2139.3   | 0.0    | 2139.3  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 18154.7  | 0.0    | 18154.7 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 20294.0  | 0.0    | 20294.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 272.8   | 1.3       |
| 10°-20°   | 647.6   | 3.2       |
| 20°-30°   | 1001.7  | 4.9       |
| 30°-40°   | 1817.7  | 9.0       |
| 40°-50°   | 3431.0  | 16.9      |
| 50°-60°   | 4957.6  | 24.4      |
| 60°-70°   | 5277.2  | 26.0      |
| 70°-80°   | 2796.5  | 13.8      |
| 80°-90°   | 91.8    | 0.5       |
| 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°    | 20294.0 | 100.0     |
| 0°-180°   | 20294.0 | 100.0     |

**Coefficient of Utilization**



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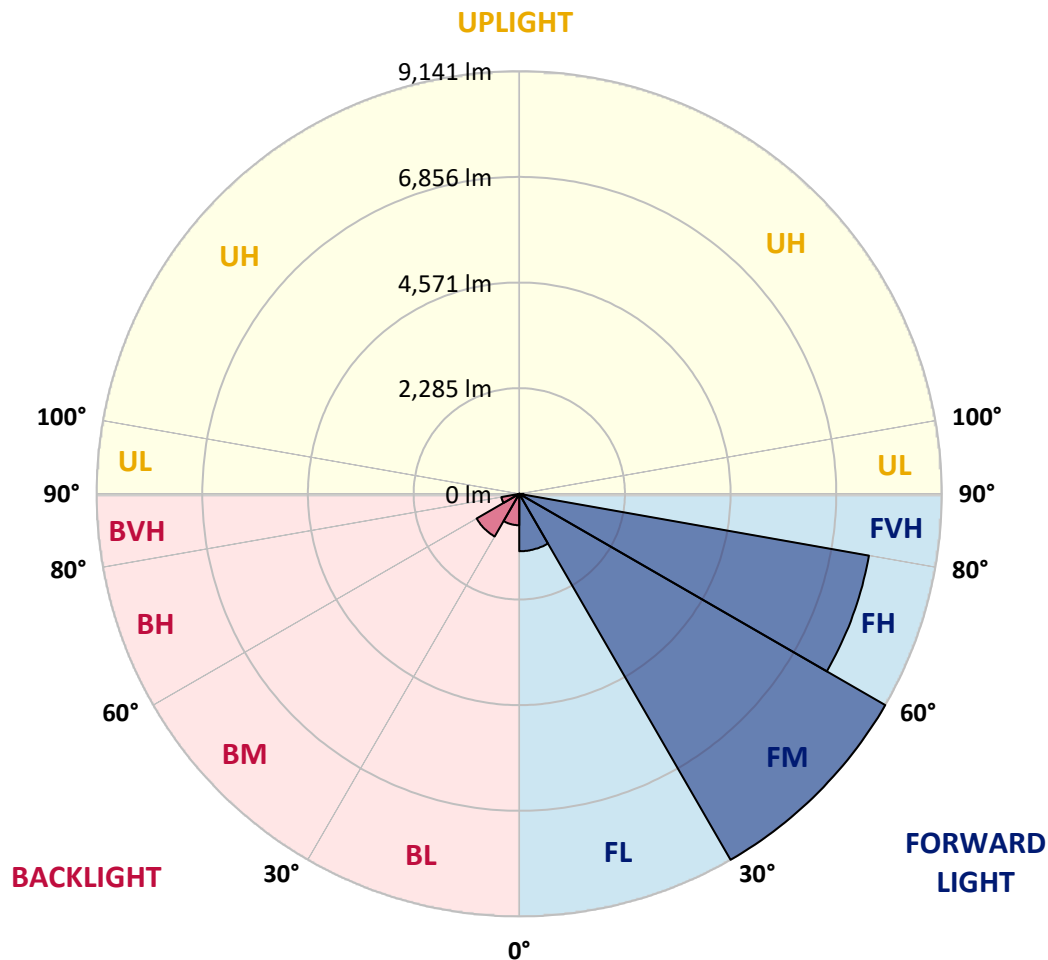
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1242.5 | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 9141.3 | 45.0      |                         |      |          |
| FH   | (60°-80°)   | 7681.6 | 37.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 89.4   | 0.4       |                         |      | G1/100   |
| BL   | (0°-30°)    | 679.7  | 3.3       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1064.9 | 5.2       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 392.2  | 1.9       | B1/500                  |      | G1/500   |
| BVH  | (80°-90°)   | 2.5    | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3165.5 | 3165.5  | 3165.5  | 3165.5  | 3165.5  | 3165.5  | 3165.5  | 3165.5  | 3165.5  | 3165.5  |
| 2.5°  | 2972.0 | 2998.9  | 2995.0  | 3013.0  | 3019.4  | 3045.0  | 3070.7  | 3105.3  | 3143.7  | 3142.4  |
| 5°    | 2804.1 | 2831.0  | 2837.4  | 2861.8  | 2892.5  | 2932.3  | 2984.8  | 3054.0  | 3125.8  | 3137.3  |
| 7.5°  | 2605.4 | 2633.6  | 2650.3  | 2699.0  | 2755.4  | 2837.4  | 2923.3  | 3024.5  | 3143.7  | 3160.4  |
| 10°   | 2406.8 | 2432.4  | 2454.2  | 2523.4  | 2613.1  | 2734.9  | 2874.6  | 3020.7  | 3180.9  | 3205.2  |
| 12.5° | 2283.8 | 2308.1  | 2332.5  | 2392.7  | 2504.2  | 2652.9  | 2842.5  | 3038.6  | 3242.4  | 3277.0  |
| 15°   | 2240.2 | 2262.0  | 2281.2  | 2335.0  | 2438.8  | 2608.0  | 2836.1  | 3075.8  | 3320.6  | 3366.7  |
| 17.5° | 2246.6 | 2258.1  | 2271.0  | 2312.0  | 2413.2  | 2587.5  | 2847.7  | 3139.9  | 3412.8  | 3453.9  |
| 20°   | 2283.8 | 2290.2  | 2291.5  | 2319.7  | 2409.4  | 2584.9  | 2870.7  | 3201.4  | 3500.0  | 3555.1  |
| 22.5° | 2331.2 | 2333.8  | 2331.2  | 2350.4  | 2433.7  | 2604.2  | 2901.5  | 3275.7  | 3597.4  | 3648.7  |
| 25°   | 2552.9 | 2504.2  | 2442.7  | 2405.5  | 2474.7  | 2641.3  | 2947.6  | 3375.7  | 3703.8  | 3753.7  |
| 27.5° | 3241.1 | 3101.4  | 2881.0  | 2633.6  | 2559.3  | 2695.2  | 3011.7  | 3476.9  | 3811.4  | 3856.3  |
| 30°   | 4358.6 | 4175.4  | 3801.2  | 3243.7  | 2831.0  | 2807.9  | 3095.0  | 3578.2  | 3925.5  | 3974.2  |
| 32.5° | 5478.7 | 5433.9  | 5002.0  | 4230.5  | 3442.3  | 3059.1  | 3233.4  | 3715.3  | 4076.7  | 4115.1  |
| 35°   | 6611.7 | 6520.7  | 6167.0  | 5404.4  | 4384.3  | 3570.5  | 3464.1  | 3894.7  | 4275.3  | 4318.9  |
| 37.5° | 7479.3 | 7424.2  | 7205.0  | 6577.1  | 5501.8  | 4359.9  | 3858.8  | 4172.8  | 4563.7  | 4612.4  |
| 40°   | 8245.7 | 8220.0  | 8145.7  | 7731.8  | 6751.4  | 5392.9  | 4472.7  | 4603.4  | 4963.6  | 5021.2  |
| 42.5° | 8848.0 | 8908.2  | 8950.5  | 8835.2  | 8039.3  | 6571.9  | 5298.0  | 5208.3  | 5521.0  | 5580.0  |
| 45°   | 9464.5 | 9485.0  | 9655.4  | 9822.0  | 9318.4  | 7804.8  | 6228.5  | 5917.0  | 6214.4  | 6287.4  |
| 47.5° | 9860.5 | 9942.5  | 10242.4 | 10535.9 | 10393.6 | 9027.4  | 7228.1  | 6753.9  | 7017.9  | 7155.0  |
| 50°   | 9889.9 | 10045.0 | 10457.7 | 10969.0 | 11176.6 | 10191.1 | 8314.9  | 7707.4  | 7988.1  | 8139.3  |
| 52.5° | 9399.1 | 9640.0  | 10279.5 | 11028.0 | 11599.6 | 11176.6 | 9438.8  | 8660.9  | 9021.0  | 9218.4  |
| 55°   | 7206.3 | 7521.6  | 9609.3  | 10707.6 | 11616.2 | 11923.8 | 10533.3 | 9654.1  | 10171.9 | 10394.9 |
| 57.5° | 6278.5 | 6437.4  | 7554.9  | 10151.4 | 11307.4 | 12225.0 | 11522.7 | 10599.9 | 11424.0 | 11700.8 |
| 60°   | 5223.7 | 5432.6  | 6336.1  | 9241.5  | 10888.3 | 12254.4 | 12396.7 | 11820.0 | 12781.2 | 13092.6 |
| 62.5° | 3550.0 | 3776.8  | 4675.2  | 7677.9  | 10315.4 | 12240.4 | 13113.1 | 13075.9 | 14289.6 | 14624.1 |
| 65°   | 2199.2 | 2341.4  | 2933.5  | 6269.5  | 9514.4  | 12255.7 | 13862.8 | 14601.0 | 15881.3 | 16220.9 |
| 67.5° | 1737.8 | 1803.2  | 2112.0  | 4813.6  | 8134.2  | 11909.7 | 14611.3 | 16035.1 | 17379.5 | 17648.6 |
| 70°   | 1167.5 | 1207.2  | 1536.6  | 3227.0  | 6051.6  | 10312.9 | 14597.2 | 16755.3 | 18151.0 | 18285.6 |
| 72.5° | 615.2  | 645.9   | 898.4   | 1494.3  | 3655.1  | 7330.6  | 12304.4 | 15894.1 | 17383.3 | 17180.8 |
| 75°   | 307.6  | 358.8   | 604.9   | 758.7   | 1561.0  | 4088.2  | 7640.8  | 12531.3 | 13682.1 | 12897.8 |
| 77.5° | 233.2  | 281.9   | 499.8   | 499.8   | 543.4   | 1376.4  | 3236.0  | 6834.7  | 6304.1  | 5249.3  |
| 80°   | 148.7  | 192.2   | 437.0   | 378.1   | 226.8   | 349.9   | 843.3   | 1914.7  | 1339.2  | 1018.9  |
| 82.5° | 87.1   | 125.6   | 364.0   | 249.9   | 126.9   | 129.4   | 238.4   | 407.5   | 347.3   | 270.4   |
| 85°   | 34.6   | 82.0    | 249.9   | 98.7    | 50.0    | 32.0    | 71.8    | 87.1    | 71.8    | 53.8    |
| 87.5° | 0.0    | 19.2    | 43.6    | 0.0     | 3.8     | 2.6     | 5.1     | 6.4     | 6.4     | 5.1     |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3165.5  | 0°    | 3165.5 | 3165.5 | 3165.5 | 3165.5 | 3165.5 | 3165.5 | 3165.5 | 3165.5 | 3165.5 | 3165.5 |
| 3168.1  | 2.5°  | 3179.6 | 3182.2 | 3189.8 | 3191.1 | 3173.2 | 3150.1 | 3141.1 | 3137.3 | 3121.9 | 3120.6 |
| 3188.6  | 5°    | 3218.0 | 3229.6 | 3218.0 | 3184.7 | 3105.3 | 2993.8 | 2909.2 | 2840.0 | 2777.2 | 2758.0 |
| 3259.1  | 7.5°  | 3294.9 | 3306.5 | 3271.9 | 3141.1 | 2941.2 | 2719.5 | 2519.6 | 2378.6 | 2251.7 | 2204.3 |
| 3344.9  | 10°   | 3405.2 | 3420.5 | 3311.6 | 3047.6 | 2693.9 | 2337.6 | 1999.3 | 1760.9 | 1575.1 | 1499.4 |
| 3461.5  | 12.5° | 3543.6 | 3550.0 | 3333.4 | 2905.3 | 2372.2 | 1863.4 | 1384.1 | 1129.1 | 963.7  | 902.2  |
| 3602.5  | 15°   | 3696.1 | 3687.1 | 3335.9 | 2711.8 | 1933.9 | 1317.5 | 903.5  | 742.0  | 675.4  | 654.9  |
| 3743.5  | 17.5° | 3856.3 | 3819.1 | 3284.7 | 2432.4 | 1453.3 | 900.9  | 670.3  | 631.8  | 620.3  | 615.2  |
| 3883.2  | 20°   | 4013.9 | 3930.6 | 3191.1 | 2067.2 | 1043.2 | 672.8  | 608.7  | 597.2  | 590.8  | 588.2  |
| 4024.2  | 22.5° | 4157.4 | 4015.2 | 3030.9 | 1643.0 | 757.4  | 594.7  | 575.4  | 565.2  | 553.6  | 548.5  |
| 4161.3  | 25°   | 4297.1 | 4063.9 | 2805.4 | 1247.0 | 606.2  | 556.2  | 540.8  | 521.6  | 506.2  | 499.8  |
| 4308.7  | 27.5° | 4433.0 | 4094.6 | 2523.4 | 922.7  | 540.8  | 520.3  | 492.1  | 465.2  | 453.7  | 451.1  |
| 4466.3  | 30°   | 4577.8 | 4104.9 | 2203.0 | 688.2  | 501.1  | 475.5  | 434.5  | 403.7  | 397.3  | 398.6  |
| 4679.0  | 32.5° | 4754.7 | 4120.3 | 1880.1 | 563.9  | 467.8  | 421.6  | 372.9  | 340.9  | 335.8  | 340.9  |
| 4989.2  | 35°   | 4966.1 | 4151.0 | 1568.7 | 519.0  | 438.3  | 366.5  | 314.0  | 287.1  | 281.9  | 285.8  |
| 5386.5  | 37.5° | 5253.2 | 4201.0 | 1277.7 | 510.1  | 413.9  | 320.4  | 264.0  | 242.2  | 242.2  | 243.5  |
| 5873.5  | 40°   | 5635.1 | 4334.3 | 1017.6 | 503.7  | 401.1  | 285.8  | 223.0  | 214.0  | 217.9  | 220.4  |
| 6493.8  | 42.5° | 6100.3 | 4617.5 | 842.0  | 496.0  | 387.0  | 270.4  | 202.5  | 198.6  | 205.1  | 207.6  |
| 7237.1  | 45°   | 6621.9 | 4976.4 | 780.5  | 483.2  | 374.2  | 280.7  | 193.5  | 188.4  | 196.1  | 197.4  |
| 8070.1  | 47.5° | 7161.5 | 5327.5 | 772.8  | 469.1  | 361.4  | 296.0  | 191.0  | 179.4  | 188.4  | 189.7  |
| 8959.5  | 50°   | 7707.4 | 5556.9 | 780.5  | 447.3  | 340.9  | 296.0  | 192.2  | 170.4  | 178.1  | 182.0  |
| 9882.2  | 52.5° | 8257.2 | 5662.0 | 775.4  | 399.9  | 305.0  | 278.1  | 192.2  | 162.8  | 170.4  | 173.0  |
| 10879.3 | 55°   | 8790.3 | 5641.5 | 697.2  | 329.4  | 258.9  | 246.1  | 187.1  | 156.4  | 161.5  | 162.8  |
| 11821.3 | 57.5° | 9212.0 | 5355.7 | 552.4  | 256.3  | 210.2  | 205.1  | 170.4  | 148.7  | 152.5  | 151.2  |
| 12685.1 | 60°   | 9432.4 | 4727.7 | 394.7  | 197.4  | 165.3  | 161.5  | 149.9  | 138.4  | 141.0  | 134.6  |
| 13416.8 | 62.5° | 9435.0 | 3897.3 | 264.0  | 156.4  | 132.0  | 128.2  | 128.2  | 124.3  | 121.7  | 108.9  |
| 13983.3 | 65°   | 9233.8 | 2975.8 | 175.6  | 124.3  | 106.4  | 100.0  | 107.7  | 106.4  | 97.4   | 79.5   |
| 14156.3 | 67.5° | 8777.5 | 1950.6 | 133.3  | 97.4   | 82.0   | 78.2   | 85.9   | 89.7   | 83.3   | 66.6   |
| 13525.8 | 70°   | 7839.4 | 1135.5 | 110.2  | 75.6   | 61.5   | 57.7   | 69.2   | 76.9   | 69.2   | 53.8   |
| 11561.1 | 72.5° | 6511.7 | 612.6  | 89.7   | 56.4   | 42.3   | 38.4   | 55.1   | 62.8   | 55.1   | 39.7   |
| 7417.8  | 75°   | 4225.4 | 328.1  | 69.2   | 37.2   | 21.8   | 24.3   | 41.0   | 46.1   | 38.4   | 25.6   |
| 2177.4  | 77.5° | 1418.7 | 144.8  | 43.6   | 17.9   | 10.3   | 10.3   | 24.3   | 28.2   | 17.9   | 9.0    |
| 396.0   | 80°   | 316.5  | 60.2   | 17.9   | 7.7    | 3.8    | 3.8    | 5.1    | 5.1    | 2.6    | 0.0    |
| 121.7   | 82.5° | 103.8  | 24.3   | 7.7    | 2.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 30.8    | 85°   | 39.7   | 9.0    | 2.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 10.3    | 87.5° | 15.4   | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
|--------|
| 3165.5 |
| 3123.2 |
| 2746.4 |
| 2185.1 |
| 1467.4 |
| 883.0  |
| 654.9  |
| 613.9  |
| 585.7  |
| 547.2  |
| 497.3  |
| 448.6  |
| 398.6  |
| 339.6  |
| 284.5  |
| 242.2  |
| 220.4  |
| 207.6  |
| 198.6  |
| 191.0  |
| 183.3  |
| 173.0  |
| 162.8  |
| 151.2  |
| 133.3  |
| 105.1  |
| 76.9   |
| 65.4   |
| 51.3   |
| 38.4   |
| 23.1   |
| 7.7    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |