

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: P953560

Luminaire Tested: **GLAN-SB7A-827-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P953560  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-827-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 21200 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3

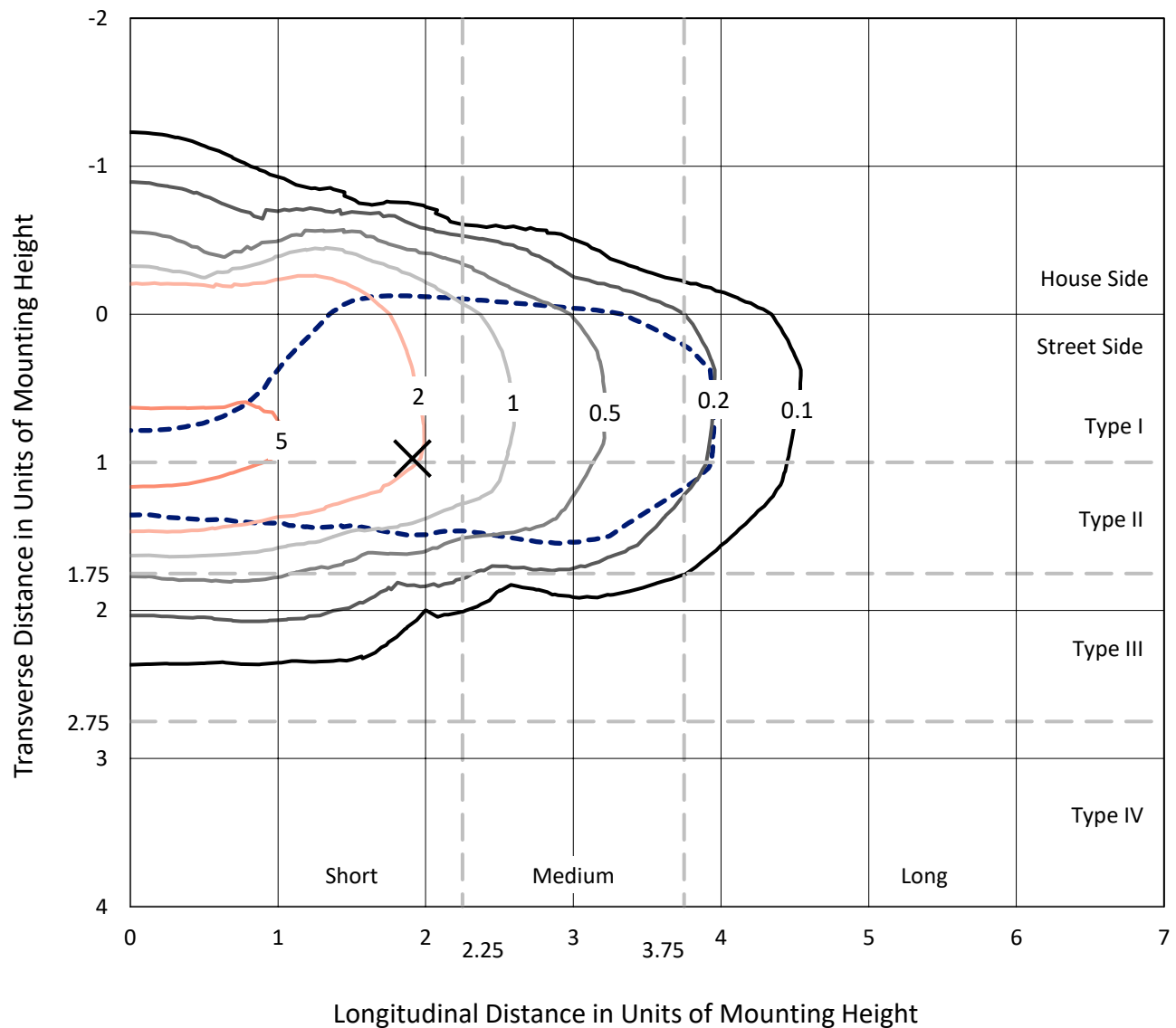
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

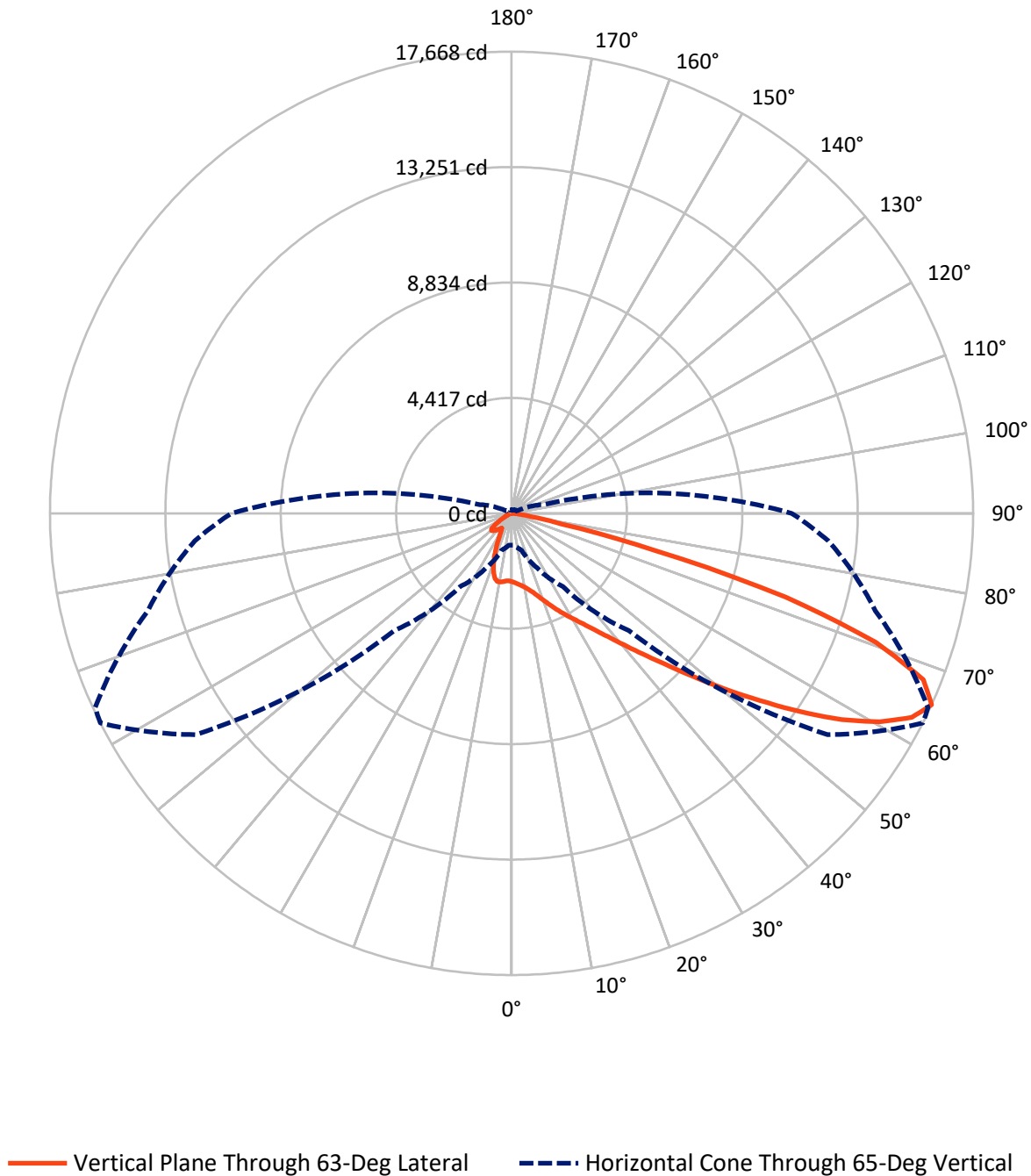
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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    | 3116.2   | 0.0    | 3116.2  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 18083.8  | 0.0    | 18083.8 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 21200.0  | 0.0    | 21200.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 246.5   | 1.2       |
| 10°-20°   | 684.0   | 3.2       |
| 20°-30°   | 1191.0  | 5.6       |
| 30°-40°   | 2146.7  | 10.1      |
| 40°-50°   | 4257.6  | 20.1      |
| 50°-60°   | 5799.6  | 27.4      |
| 60°-70°   | 4629.2  | 21.8      |
| 70°-80°   | 2094.8  | 9.9       |
| 80°-90°   | 150.6   | 0.7       |
| 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°    | 21200.0 | 100.0     |
| 0°-180°   | 21200.0 | 100.0     |

**Coefficient of Utilization**



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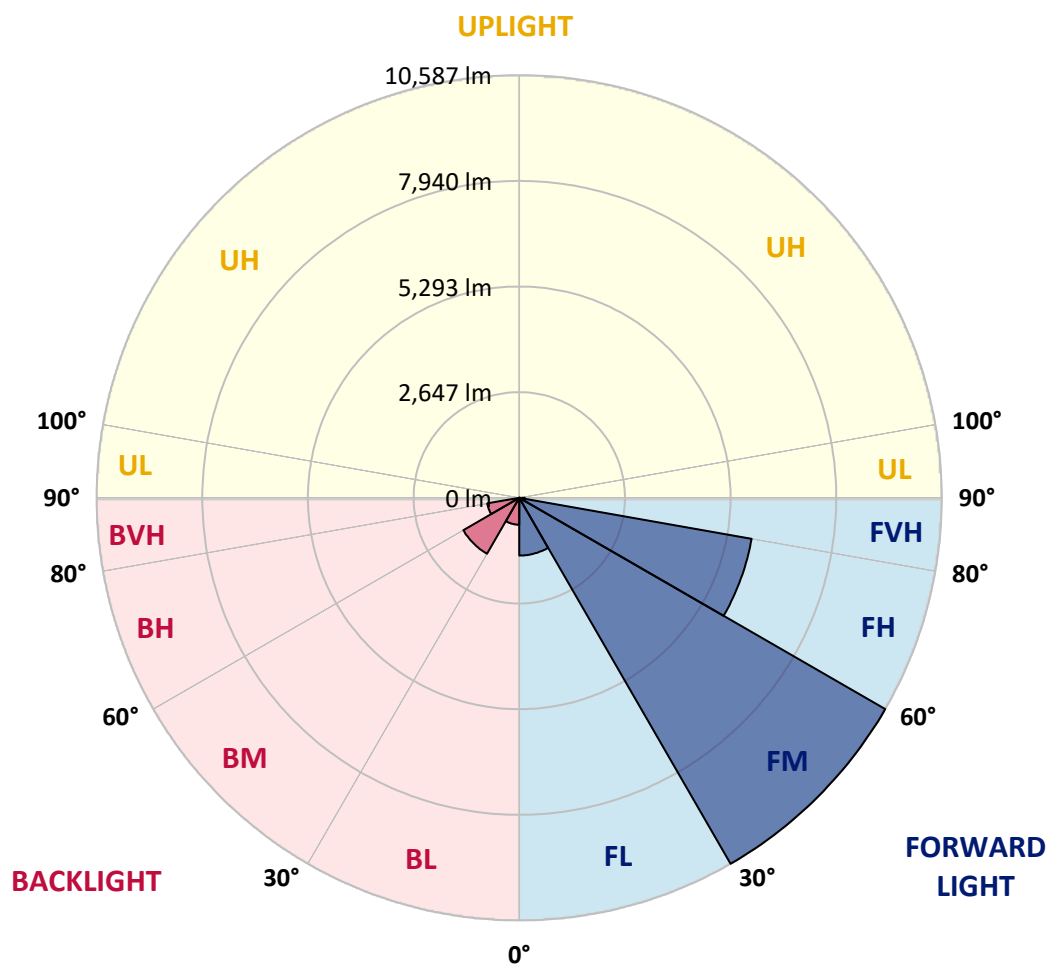
CATALOG NUMBER: GLAN-SB7A-827-U-T2U-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1447.2  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 10586.7 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 5910.5  | 27.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 139.4   | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 674.4   | 3.2       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1617.1  | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 813.5   | 3.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 11.2    | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2616.5  | 2616.5  | 2616.5  | 2616.5  | 2616.5  | 2616.5  | 2616.5  | 2616.5  | 2616.5  | 2616.5  |
| 2.5°  | 2677.7  | 2670.4  | 2680.7  | 2676.3  | 2673.4  | 2667.5  | 2664.6  | 2661.7  | 2655.9  | 2651.5  |
| 5°    | 2685.0  | 2680.7  | 2690.9  | 2699.6  | 2708.4  | 2717.1  | 2721.5  | 2727.3  | 2721.5  | 2709.8  |
| 7.5°  | 2623.8  | 2620.9  | 2642.7  | 2669.0  | 2708.4  | 2741.9  | 2778.4  | 2798.8  | 2800.2  | 2795.9  |
| 10°   | 2619.4  | 2612.1  | 2634.0  | 2666.1  | 2717.1  | 2776.9  | 2841.1  | 2884.8  | 2890.7  | 2909.6  |
| 12.5° | 2687.9  | 2680.7  | 2711.3  | 2746.3  | 2798.8  | 2861.5  | 2940.3  | 3001.5  | 3010.3  | 3036.5  |
| 15°   | 2803.2  | 2793.0  | 2828.0  | 2873.2  | 2940.3  | 3011.7  | 3094.9  | 3150.3  | 3157.6  | 3189.7  |
| 17.5° | 2937.3  | 2927.1  | 2968.0  | 3016.1  | 3089.0  | 3186.7  | 3283.0  | 3344.3  | 3353.0  | 3373.4  |
| 20°   | 3109.4  | 3096.3  | 3128.4  | 3172.2  | 3249.5  | 3366.1  | 3481.3  | 3568.9  | 3567.4  | 3567.4  |
| 22.5° | 3309.2  | 3288.8  | 3316.5  | 3351.5  | 3424.5  | 3565.9  | 3719.1  | 3822.6  | 3822.6  | 3781.8  |
| 25°   | 3523.6  | 3503.2  | 3533.9  | 3565.9  | 3630.1  | 3790.5  | 3969.9  | 4098.3  | 4104.1  | 4034.1  |
| 27.5° | 3792.0  | 3765.7  | 3789.1  | 3827.0  | 3864.9  | 4028.3  | 4241.2  | 4390.0  | 4392.9  | 4285.0  |
| 30°   | 4308.3  | 4233.9  | 4161.0  | 4120.2  | 4137.7  | 4299.5  | 4527.1  | 4691.9  | 4706.5  | 4557.7  |
| 32.5° | 5253.4  | 5238.8  | 4982.1  | 4646.7  | 4471.6  | 4591.2  | 4846.5  | 5044.8  | 5053.6  | 4862.5  |
| 35°   | 6722.1  | 6704.5  | 6291.8  | 5653.0  | 5082.7  | 4982.1  | 5234.4  | 5469.2  | 5463.4  | 5247.5  |
| 37.5° | 8475.1  | 8459.1  | 7915.1  | 7060.4  | 6137.2  | 5572.8  | 5734.7  | 5981.2  | 6017.6  | 5734.7  |
| 40°   | 9973.0  | 9913.2  | 9569.0  | 8744.9  | 7537.3  | 6552.9  | 6446.4  | 6609.7  | 6647.7  | 6312.2  |
| 42.5° | 11107.6 | 11056.6 | 10881.6 | 10366.7 | 9232.1  | 8002.6  | 7285.0  | 7347.7  | 7390.0  | 6987.5  |
| 45°   | 11695.4 | 11683.7 | 11753.7 | 11705.6 | 10958.9 | 9781.9  | 8483.9  | 8222.8  | 8238.9  | 7735.7  |
| 47.5° | 11778.5 | 11772.7 | 12092.1 | 12544.2 | 12443.6 | 11788.7 | 10022.5 | 9313.7  | 9256.9  | 8580.1  |
| 50°   | 11288.5 | 11276.8 | 11889.4 | 12736.7 | 13435.4 | 13474.7 | 11769.8 | 10543.2 | 10417.8 | 9453.7  |
| 52.5° | 9723.6  | 9720.6  | 10727.0 | 12137.3 | 13783.9 | 14950.7 | 13496.6 | 11893.8 | 11683.7 | 10378.4 |
| 55°   | 7481.9  | 7535.9  | 8689.5  | 10356.5 | 13148.0 | 15661.0 | 15047.0 | 13393.1 | 13070.7 | 11308.9 |
| 57.5° | 5300.1  | 5378.8  | 6519.3  | 8004.0  | 11176.2 | 15240.9 | 16095.6 | 14895.3 | 14548.2 | 12236.5 |
| 60°   | 2846.9  | 2916.9  | 4058.9  | 5830.9  | 8314.7  | 13674.5 | 16648.3 | 16199.1 | 15871.0 | 13117.4 |
| 62.5° | 1696.2  | 1719.5  | 2192.1  | 3764.3  | 5623.8  | 10447.0 | 16413.5 | 17192.3 | 16922.5 | 13856.8 |
| 65°   | 1217.8  | 1222.2  | 1459.9  | 2298.5  | 3414.3  | 6347.2  | 14766.9 | 17667.8 | 17584.7 | 14414.0 |
| 67.5° | 1025.3  | 1022.4  | 1121.6  | 1527.0  | 2326.2  | 3179.4  | 11317.7 | 16995.5 | 17348.4 | 14766.9 |
| 70°   | 879.5   | 883.8   | 1000.5  | 1118.6  | 1748.7  | 1799.7  | 5626.7  | 14797.6 | 15550.1 | 14860.3 |
| 72.5° | 654.8   | 669.4   | 777.4   | 1019.5  | 1319.9  | 1238.2  | 1942.7  | 10972.0 | 12332.8 | 14001.2 |
| 75°   | 462.3   | 469.6   | 546.9   | 857.6   | 984.5   | 901.3   | 991.8   | 5672.0  | 7416.3  | 10734.3 |
| 77.5° | 355.9   | 369.0   | 414.2   | 599.4   | 969.9   | 633.0   | 606.7   | 1963.1  | 3016.1  | 6484.3  |
| 80°   | 192.5   | 215.9   | 299.0   | 433.2   | 681.1   | 447.7   | 300.4   | 781.7   | 1022.4  | 3032.1  |
| 82.5° | 99.2    | 110.8   | 208.6   | 312.1   | 388.0   | 390.9   | 148.8   | 325.2   | 421.5   | 936.3   |
| 85°   | 39.4    | 48.1    | 140.0   | 172.1   | 199.8   | 192.5   | 67.1    | 131.3   | 151.7   | 259.6   |
| 87.5° | 8.8     | 14.6    | 51.0    | 39.4    | 37.9    | 40.8    | 16.0    | 30.6    | 29.2    | 30.6    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2616.5  | 0°    | 2616.5  | 2616.5 | 2616.5 | 2616.5 | 2616.5 | 2616.5 | 2616.5 | 2616.5 | 2616.5 | 2616.5 |
| 2634.0  | 2.5°  | 2632.5  | 2626.7 | 2610.6 | 2593.1 | 2572.7 | 2561.1 | 2553.8 | 2552.3 | 2542.1 | 2534.8 |
| 2692.3  | 5°    | 2676.3  | 2670.4 | 2639.8 | 2603.4 | 2564.0 | 2533.3 | 2504.2 | 2477.9 | 2440.0 | 2432.7 |
| 2776.9  | 7.5°  | 2763.8  | 2747.7 | 2698.2 | 2648.6 | 2574.2 | 2485.2 | 2377.3 | 2253.3 | 2142.5 | 2108.9 |
| 2889.2  | 10°   | 2871.7  | 2849.8 | 2787.1 | 2699.6 | 2534.8 | 2292.7 | 2031.6 | 1789.5 | 1597.0 | 1543.1 |
| 3021.9  | 12.5° | 2994.2  | 2975.3 | 2892.1 | 2730.2 | 2370.0 | 1931.0 | 1531.4 | 1230.9 | 1044.3 | 997.6  |
| 3163.4  | 15°   | 3140.1  | 3112.4 | 2997.1 | 2683.6 | 2075.4 | 1467.2 | 1051.6 | 873.6  | 806.5  | 797.8  |
| 3325.3  | 17.5° | 3294.7  | 3249.5 | 3090.5 | 2515.8 | 1678.7 | 1042.8 | 812.4  | 761.3  | 732.1  | 723.4  |
| 3488.6  | 20°   | 3436.1  | 3377.8 | 3145.9 | 2262.1 | 1254.3 | 812.4  | 727.8  | 694.2  | 668.0  | 657.8  |
| 3652.0  | 22.5° | 3577.6  | 3494.5 | 3145.9 | 1916.4 | 940.7  | 720.5  | 668.0  | 637.3  | 606.7  | 593.6  |
| 3827.0  | 25°   | 3724.9  | 3614.1 | 3090.5 | 1531.4 | 756.9  | 660.7  | 611.1  | 577.6  | 551.3  | 535.3  |
| 3993.3  | 27.5° | 3867.8  | 3714.7 | 2963.6 | 1166.8 | 673.8  | 608.2  | 558.6  | 526.5  | 501.7  | 490.0  |
| 4174.1  | 30°   | 4003.5  | 3813.9 | 2785.7 | 885.3  | 619.8  | 557.1  | 510.5  | 482.8  | 458.0  | 446.3  |
| 4408.9  | 32.5° | 4187.2  | 3939.3 | 2596.1 | 726.3  | 573.2  | 509.0  | 466.7  | 440.5  | 418.6  | 409.8  |
| 4713.7  | 35°   | 4442.5  | 4124.5 | 2432.7 | 713.2  | 533.8  | 469.6  | 427.3  | 402.5  | 380.7  | 373.4  |
| 5107.5  | 37.5° | 4804.2  | 4423.5 | 2346.7 | 800.7  | 501.7  | 434.6  | 395.2  | 369.0  | 348.6  | 342.7  |
| 5607.8  | 40°   | 5250.5  | 4829.0 | 2393.3 | 888.2  | 479.8  | 404.0  | 366.1  | 339.8  | 322.3  | 315.0  |
| 6182.4  | 42.5° | 5779.9  | 5329.2 | 2651.5 | 955.3  | 465.2  | 377.7  | 338.4  | 309.2  | 297.5  | 294.6  |
| 6834.4  | 45°   | 6388.1  | 5879.1 | 3046.7 | 1026.8 | 441.9  | 352.9  | 310.7  | 288.8  | 280.0  | 278.6  |
| 7543.2  | 47.5° | 7079.4  | 6482.9 | 3504.7 | 1115.7 | 418.6  | 329.6  | 288.8  | 274.2  | 266.9  | 264.0  |
| 8282.6  | 50°   | 7764.9  | 7091.0 | 3975.8 | 1165.3 | 399.6  | 307.7  | 271.3  | 259.6  | 253.8  | 252.3  |
| 9064.3  | 52.5° | 8482.4  | 7716.7 | 4356.4 | 1118.6 | 383.6  | 290.2  | 256.7  | 247.9  | 242.1  | 240.6  |
| 9784.8  | 55°   | 9166.4  | 8222.8 | 4422.1 | 949.5  | 351.5  | 272.7  | 240.6  | 236.3  | 229.0  | 229.0  |
| 10515.5 | 57.5° | 9755.7  | 8476.6 | 3958.3 | 697.1  | 319.4  | 246.5  | 224.6  | 220.2  | 214.4  | 212.9  |
| 11174.7 | 60°   | 10296.7 | 8403.7 | 3055.5 | 469.6  | 284.4  | 220.2  | 204.2  | 201.3  | 195.4  | 188.1  |
| 11747.9 | 62.5° | 10601.6 | 8082.8 | 2090.0 | 306.3  | 249.4  | 192.5  | 180.8  | 179.4  | 166.3  | 151.7  |
| 12172.3 | 65°   | 10716.8 | 7423.6 | 1303.9 | 223.1  | 208.6  | 164.8  | 156.1  | 153.1  | 134.2  | 118.1  |
| 12413.0 | 67.5° | 10616.1 | 6338.5 | 657.8  | 176.5  | 164.8  | 137.1  | 128.3  | 128.3  | 115.2  | 100.6  |
| 12398.4 | 70°   | 10213.6 | 4751.7 | 277.1  | 141.5  | 126.9  | 105.0  | 105.0  | 110.8  | 97.7   | 81.7   |
| 11755.2 | 72.5° | 9340.0  | 3196.9 | 147.3  | 107.9  | 94.8   | 74.4   | 86.0   | 90.4   | 77.3   | 61.3   |
| 9621.5  | 75°   | 7425.0  | 1950.0 | 102.1  | 80.2   | 59.8   | 52.5   | 65.6   | 68.5   | 52.5   | 40.8   |
| 6596.6  | 77.5° | 5078.4  | 1120.1 | 68.5   | 51.0   | 37.9   | 30.6   | 45.2   | 42.3   | 27.7   | 19.0   |
| 2543.6  | 80°   | 2230.0  | 466.7  | 39.4   | 23.3   | 14.6   | 11.7   | 16.0   | 11.7   | 8.8    | 5.8    |
| 348.6   | 82.5° | 261.1   | 109.4  | 14.6   | 8.8    | 5.8    | 2.9    | 1.5    | 0.0    | 0.0    | 0.0    |
| 106.5   | 85°   | 54.0    | 13.1   | 7.3    | 2.9    | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 19.0    | 87.5° | 10.2    | 2.9    | 1.5    | 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°   |
|--------|
| 2616.5 |
| 2542.1 |
| 2429.8 |
| 2092.9 |
| 1522.6 |
| 984.5  |
| 789.0  |
| 719.0  |
| 651.9  |
| 586.3  |
| 529.4  |
| 490.0  |
| 447.7  |
| 409.8  |
| 373.4  |
| 341.3  |
| 313.6  |
| 294.6  |
| 277.1  |
| 264.0  |
| 252.3  |
| 240.6  |
| 227.5  |
| 211.5  |
| 186.7  |
| 148.8  |
| 116.7  |
| 99.2   |
| 80.2   |
| 61.3   |
| 39.4   |
| 20.4   |
| 5.8    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |