

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: P849895

Luminaire Tested: **GLAN-SB7A-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849895  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15002 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

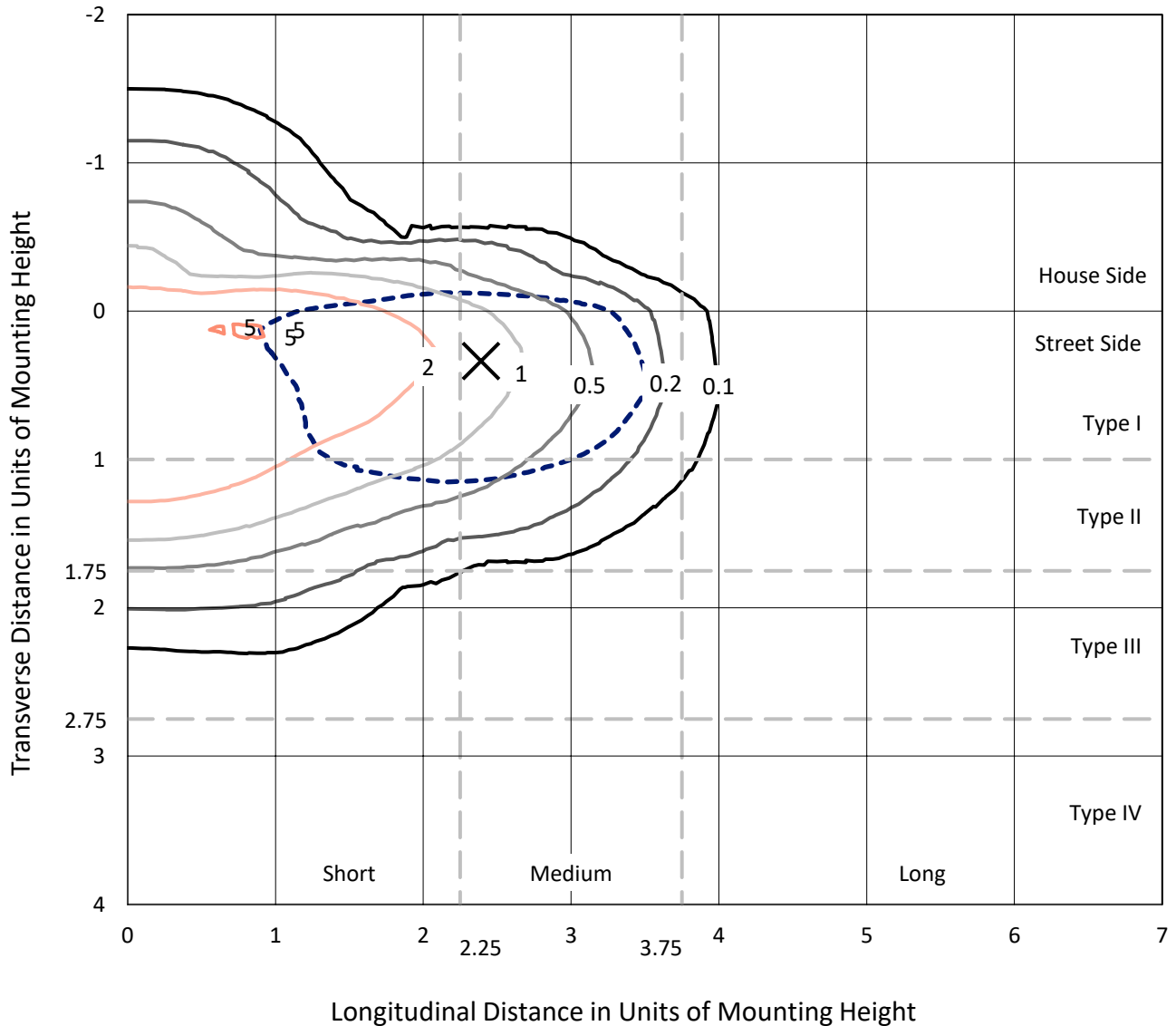
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

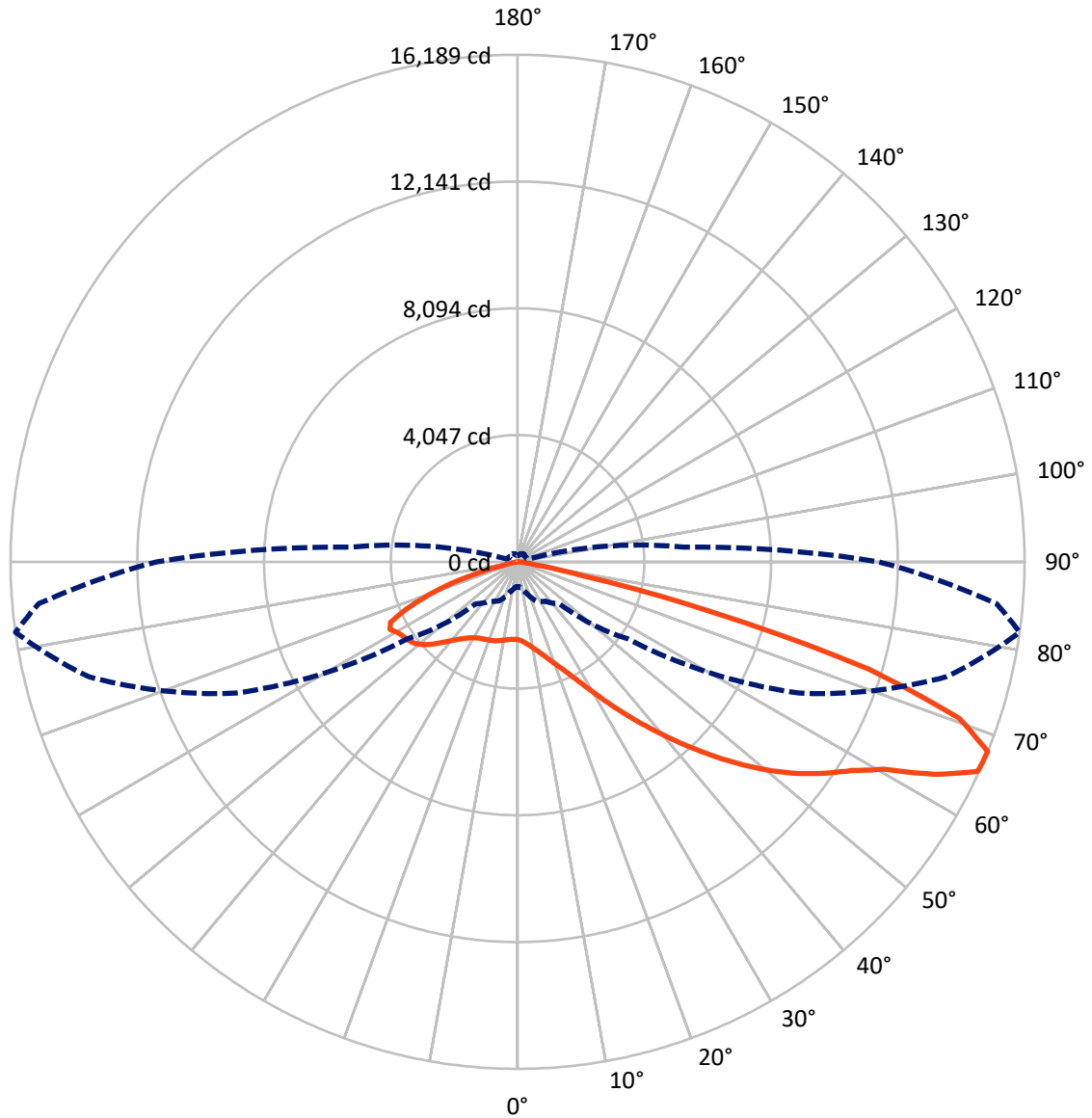
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2717.5   | 0.0    | 2717.5  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 12284.5  | 0.0    | 12284.5 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 15002.0  | 0.0    | 15002.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 221.4   | 1.5       |
| 10°-20°   | 575.4   | 3.8       |
| 20°-30°   | 921.6   | 6.1       |
| 30°-40°   | 1629.7  | 10.9      |
| 40°-50°   | 2855.3  | 19.0      |
| 50°-60°   | 3808.2  | 25.4      |
| 60°-70°   | 3545.2  | 23.6      |
| 70°-80°   | 1360.7  | 9.1       |
| 80°-90°   | 84.5    | 0.6       |
| 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°    | 15002.0 | 100.0     |
| 0°-180°   | 15002.0 | 100.0     |

**Coefficient of Utilization**

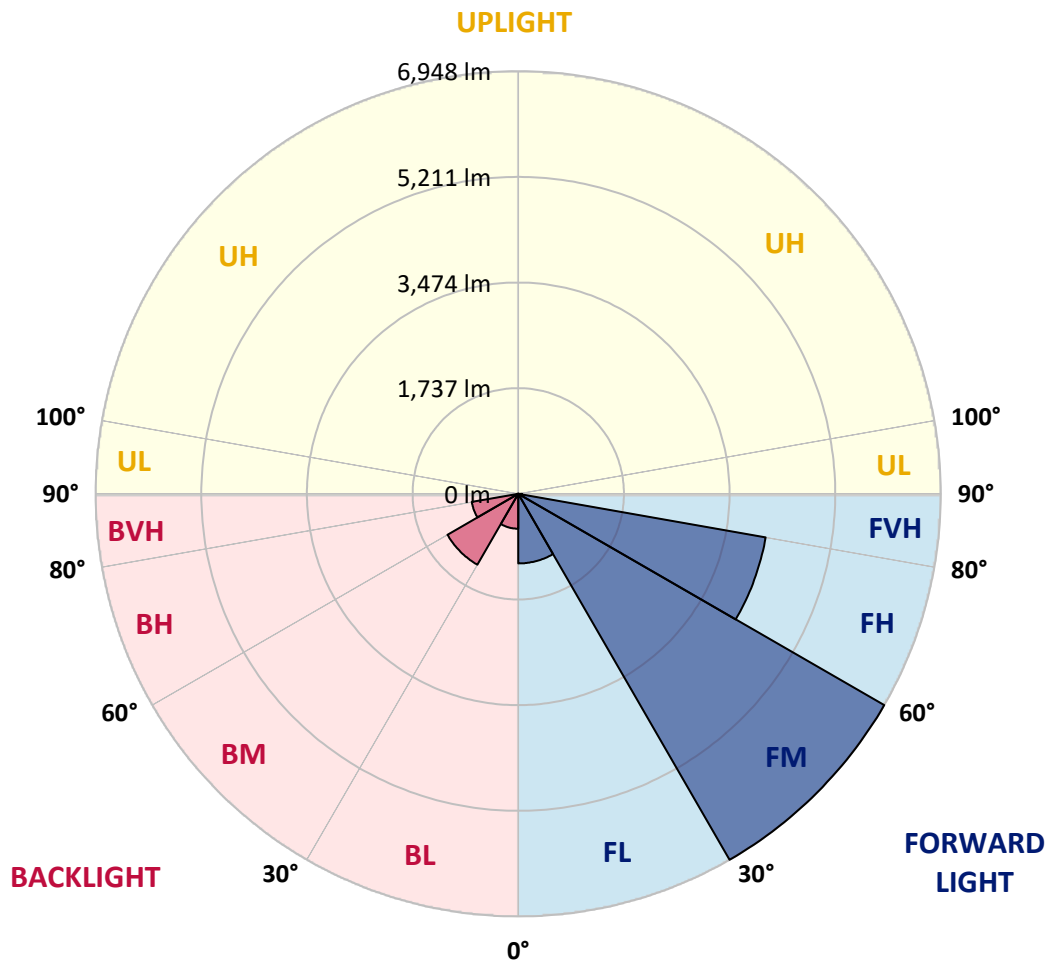


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1144.5 | 7.6       |                         |      |         |
| FM (30°-60°)   | 6948.3 | 46.3      |                         |      |         |
| FH (60°-80°)   | 4130.3 | 27.5      |                         |      | G2/5000 |
| FVH (80°-90°)  | 61.4   | 0.4       |                         |      | G1/100  |
| BL (0°-30°)    | 573.9  | 3.8       | B2/1000                 |      |         |
| BM (30°-60°)   | 1344.9 | 9.0       | B2/2500                 |      |         |
| BH (60°-80°)   | 775.6  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 23.1   | 0.2       |                         |      | 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°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 2485.3 | 2485.3 | 2485.3 | 2485.3 | 2485.3 | 2485.3 | 2485.3 | 2485.3  | 2485.3  | 2485.3  |
| 2.5°  | 2626.8 | 2641.9 | 2633.3 | 2629.0 | 2621.4 | 2610.6 | 2602.0 | 2575.0  | 2546.9  | 2528.5  |
| 5°    | 2679.7 | 2694.9 | 2693.8 | 2698.1 | 2703.5 | 2706.7 | 2704.6 | 2674.3  | 2634.4  | 2603.1  |
| 7.5°  | 2634.4 | 2651.7 | 2665.7 | 2687.3 | 2725.1 | 2765.1 | 2784.5 | 2778.0  | 2737.0  | 2693.8  |
| 10°   | 2505.8 | 2524.2 | 2557.7 | 2608.5 | 2688.4 | 2774.8 | 2847.2 | 2880.6  | 2854.7  | 2807.2  |
| 12.5° | 2270.4 | 2288.7 | 2354.6 | 2464.8 | 2598.7 | 2748.9 | 2887.1 | 2976.8  | 2983.3  | 2935.7  |
| 15°   | 2005.8 | 2024.1 | 2094.3 | 2232.6 | 2436.7 | 2677.6 | 2908.7 | 3078.3  | 3135.5  | 3094.5  |
| 17.5° | 1841.6 | 1857.8 | 1910.7 | 2022.0 | 2234.7 | 2535.0 | 2901.2 | 3186.3  | 3317.0  | 3284.6  |
| 20°   | 1791.9 | 1805.9 | 1830.8 | 1908.5 | 2085.7 | 2387.0 | 2851.5 | 3287.8  | 3512.5  | 3494.1  |
| 22.5° | 1844.8 | 1857.8 | 1865.3 | 1899.9 | 2011.2 | 2289.8 | 2788.8 | 3391.5  | 3739.3  | 3741.5  |
| 25°   | 1966.9 | 1979.8 | 1971.2 | 1992.8 | 2041.4 | 2259.6 | 2765.1 | 3513.6  | 4024.5  | 4048.2  |
| 27.5° | 2167.8 | 2168.9 | 2148.3 | 2147.3 | 2154.8 | 2304.9 | 2789.9 | 3644.3  | 4384.1  | 4428.4  |
| 30°   | 2570.7 | 2554.5 | 2475.6 | 2390.3 | 2351.4 | 2441.0 | 2859.0 | 3798.7  | 4808.6  | 4887.5  |
| 32.5° | 3191.7 | 3168.0 | 3023.2 | 2819.1 | 2613.9 | 2660.3 | 2983.3 | 3974.8  | 5270.9  | 5413.5  |
| 35°   | 3865.7 | 3859.2 | 3708.0 | 3404.5 | 3045.9 | 2972.5 | 3185.2 | 4205.9  | 5775.3  | 6002.1  |
| 37.5° | 4492.2 | 4488.9 | 4402.5 | 4045.0 | 3608.6 | 3407.7 | 3509.3 | 4508.4  | 6315.4  | 6643.7  |
| 40°   | 5064.6 | 5074.3 | 4987.9 | 4668.2 | 4228.6 | 3966.1 | 3949.9 | 4882.1  | 6915.9  | 7342.6  |
| 42.5° | 5559.3 | 5570.1 | 5482.6 | 5246.1 | 4841.0 | 4584.0 | 4491.1 | 5340.0  | 7502.4  | 8093.2  |
| 45°   | 5895.2 | 5962.2 | 5949.2 | 5760.2 | 5469.7 | 5202.9 | 5141.3 | 5914.7  | 8171.0  | 8889.3  |
| 47.5° | 5990.3 | 6051.8 | 6149.0 | 6175.0 | 5997.8 | 5735.4 | 5808.8 | 6607.0  | 8847.1  | 9686.4  |
| 50°   | 5755.9 | 5813.1 | 6015.1 | 6284.1 | 6407.2 | 6326.2 | 6458.0 | 7349.0  | 9539.5  | 10481.3 |
| 52.5° | 5293.6 | 5351.9 | 5606.8 | 6032.4 | 6534.6 | 6789.5 | 7109.3 | 8080.3  | 10210.2 | 11234.2 |
| 55°   | 4625.0 | 4686.6 | 5013.9 | 5495.6 | 6291.6 | 6980.7 | 7652.6 | 8810.4  | 10824.8 | 11911.4 |
| 57.5° | 3715.6 | 3760.9 | 4101.2 | 4775.1 | 5680.3 | 6790.6 | 8053.3 | 9607.5  | 11403.8 | 12576.8 |
| 60°   | 2421.6 | 2461.6 | 2856.9 | 3608.6 | 4667.1 | 6155.5 | 8133.2 | 10496.5 | 12172.8 | 13441.9 |
| 62.5° | 1610.4 | 1637.4 | 1871.8 | 2423.8 | 3286.8 | 4936.1 | 7665.5 | 11206.1 | 13300.4 | 14947.6 |
| 65°   | 1104.9 | 1132.0 | 1366.3 | 1750.9 | 2123.5 | 3265.2 | 6320.8 | 11112.1 | 14322.2 | 16143.3 |
| 67.5° | 788.5  | 811.2  | 1009.9 | 1372.8 | 1537.0 | 1896.7 | 4284.8 | 9911.1  | 14175.3 | 16188.6 |
| 70°   | 564.9  | 577.9  | 742.0  | 1069.3 | 1221.6 | 1139.5 | 2382.7 | 7580.2  | 12411.5 | 14948.7 |
| 72.5° | 395.3  | 399.6  | 515.2  | 814.4  | 984.0  | 831.7  | 1134.1 | 5053.8  | 9387.2  | 11733.2 |
| 75°   | 267.9  | 273.3  | 346.7  | 597.3  | 789.6  | 635.1  | 600.5  | 2710.0  | 5510.7  | 6494.7  |
| 77.5° | 164.2  | 166.3  | 223.6  | 408.3  | 590.8  | 483.9  | 386.7  | 1148.2  | 2132.1  | 2093.2  |
| 80°   | 92.9   | 92.9   | 142.6  | 253.8  | 402.9  | 312.2  | 271.1  | 488.2   | 675.1   | 593.0   |
| 82.5° | 51.8   | 52.9   | 103.7  | 157.7  | 266.8  | 184.7  | 149.1  | 225.7   | 291.6   | 258.1   |
| 85°   | 21.6   | 23.8   | 63.7   | 74.5   | 127.5  | 91.8   | 60.5   | 95.0    | 108.0   | 96.1    |
| 87.5° | 2.2    | 3.2    | 19.4   | 14.0   | 15.1   | 18.4   | 8.6    | 18.4    | 15.1    | 15.1    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2485.3  | 0°    | 2485.3  | 2485.3 | 2485.3 | 2485.3 | 2485.3 | 2485.3 | 2485.3 | 2485.3 | 2485.3 | 2485.3 |
| 2522.0  | 2.5°  | 2501.5  | 2485.3 | 2444.3 | 2396.8 | 2334.1 | 2303.9 | 2262.8 | 2234.7 | 2211.0 | 2213.1 |
| 2584.7  | 5°    | 2550.1  | 2509.1 | 2417.3 | 2302.8 | 2160.2 | 2058.7 | 1950.7 | 1876.1 | 1815.7 | 1802.7 |
| 2671.1  | 7.5°  | 2617.1  | 2552.3 | 2391.4 | 2185.1 | 1944.2 | 1761.7 | 1598.6 | 1493.8 | 1419.3 | 1395.5 |
| 2775.9  | 10°   | 2703.5  | 2609.5 | 2357.9 | 2037.1 | 1690.4 | 1458.1 | 1283.2 | 1201.1 | 1150.3 | 1133.0 |
| 2899.0  | 12.5° | 2804.0  | 2675.4 | 2313.6 | 1856.7 | 1429.0 | 1205.4 | 1094.1 | 1053.1 | 1036.9 | 1031.5 |
| 3050.2  | 15°   | 2930.3  | 2757.5 | 2246.6 | 1642.8 | 1207.6 | 1050.9 | 1003.4 | 998.0  | 1000.2 | 998.0  |
| 3231.7  | 17.5° | 3080.5  | 2847.2 | 2137.5 | 1422.5 | 1058.5 | 972.1  | 954.8  | 959.1  | 964.5  | 963.5  |
| 3434.7  | 20°   | 3244.6  | 2935.7 | 1998.2 | 1227.0 | 957.0  | 915.9  | 906.2  | 910.5  | 914.8  | 912.7  |
| 3669.1  | 22.5° | 3431.5  | 3030.8 | 1843.7 | 1074.7 | 888.9  | 864.1  | 853.3  | 854.4  | 854.4  | 850.0  |
| 3966.1  | 25°   | 3655.1  | 3135.5 | 1681.7 | 966.7  | 837.1  | 817.6  | 804.7  | 800.4  | 793.9  | 780.9  |
| 4326.9  | 27.5° | 3921.9  | 3246.8 | 1526.2 | 891.1  | 796.0  | 777.7  | 762.6  | 751.8  | 735.6  | 714.0  |
| 4760.0  | 30°   | 4222.1  | 3381.8 | 1394.4 | 843.6  | 763.6  | 745.3  | 728.0  | 711.8  | 688.0  | 661.0  |
| 5258.0  | 32.5° | 4575.3  | 3526.5 | 1298.3 | 812.2  | 734.5  | 715.0  | 694.5  | 675.1  | 649.1  | 622.1  |
| 5817.5  | 35°   | 4996.6  | 3701.5 | 1242.1 | 790.6  | 711.8  | 685.9  | 663.2  | 641.6  | 622.1  | 598.4  |
| 6425.6  | 37.5° | 5453.5  | 3887.3 | 1224.8 | 779.8  | 696.7  | 656.7  | 630.8  | 615.7  | 613.5  | 599.5  |
| 7083.3  | 40°   | 5953.5  | 4107.6 | 1237.8 | 773.4  | 680.5  | 628.6  | 600.5  | 597.3  | 602.7  | 577.9  |
| 7786.5  | 42.5° | 6482.8  | 4369.0 | 1259.4 | 765.8  | 657.8  | 600.5  | 573.5  | 573.5  | 569.2  | 534.7  |
| 8529.6  | 45°   | 7055.3  | 4670.4 | 1281.0 | 747.4  | 630.8  | 572.5  | 551.9  | 544.4  | 526.0  | 492.5  |
| 9277.0  | 47.5° | 7632.0  | 4977.1 | 1297.2 | 714.0  | 598.4  | 548.7  | 530.3  | 513.1  | 486.0  | 455.8  |
| 10010.4 | 50°   | 8179.6  | 5252.6 | 1279.9 | 664.3  | 561.7  | 526.0  | 506.6  | 482.8  | 453.6  | 433.1  |
| 10704.9 | 52.5° | 8668.9  | 5491.3 | 1206.5 | 605.9  | 522.8  | 502.2  | 485.0  | 460.1  | 436.4  | 414.8  |
| 11331.4 | 55°   | 9094.5  | 5684.6 | 1076.9 | 550.9  | 488.2  | 481.7  | 464.4  | 433.1  | 400.7  | 382.4  |
| 11952.5 | 57.5° | 9502.8  | 5831.5 | 914.8  | 505.5  | 456.9  | 459.0  | 433.1  | 405.0  | 374.8  | 355.4  |
| 12789.5 | 60°   | 10046.1 | 6028.1 | 750.7  | 463.4  | 423.4  | 429.9  | 401.8  | 381.3  | 343.5  | 318.6  |
| 14225.0 | 62.5° | 10914.5 | 6333.7 | 596.2  | 411.5  | 384.5  | 386.7  | 374.8  | 350.0  | 304.6  | 275.4  |
| 15288.9 | 65°   | 11603.6 | 6221.4 | 469.8  | 355.4  | 340.2  | 343.5  | 343.5  | 316.5  | 267.9  | 234.4  |
| 15346.1 | 67.5° | 11525.8 | 5327.1 | 374.8  | 300.3  | 298.1  | 300.3  | 307.8  | 285.1  | 237.6  | 210.6  |
| 14177.5 | 70°   | 10617.4 | 4237.3 | 300.3  | 249.5  | 259.2  | 253.8  | 275.4  | 260.3  | 213.9  | 186.9  |
| 10991.2 | 72.5° | 8663.5  | 3052.4 | 229.0  | 206.3  | 198.7  | 207.4  | 248.4  | 234.4  | 178.2  | 148.0  |
| 5821.8  | 75°   | 5062.5  | 1628.8 | 170.7  | 163.1  | 143.7  | 172.8  | 220.3  | 199.8  | 136.1  | 109.1  |
| 1784.3  | 77.5° | 1648.2  | 568.1  | 125.3  | 119.9  | 106.9  | 139.3  | 187.9  | 168.5  | 111.3  | 86.4   |
| 522.8   | 80°   | 441.8   | 171.7  | 85.3   | 78.8   | 69.1   | 103.7  | 149.1  | 133.9  | 79.9   | 56.2   |
| 224.7   | 82.5° | 177.1   | 72.4   | 49.7   | 44.3   | 37.8   | 71.3   | 117.7  | 108.0  | 59.4   | 35.6   |
| 70.2    | 85°   | 57.2    | 23.8   | 18.4   | 14.0   | 17.3   | 44.3   | 70.2   | 73.4   | 42.1   | 18.4   |
| 10.8    | 87.5° | 7.6     | 3.2    | 3.2    | 4.3    | 3.2    | 7.6    | 21.6   | 20.5   | 11.9   | 2.2    |
| 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°   |
| <hr/>  |
| 2485.3 |
| 2191.5 |
| 1773.5 |
| 1371.7 |
| 1120.1 |
| 1028.3 |
| 996.9  |
| 961.3  |
| 911.6  |
| 847.9  |
| 778.8  |
| 711.8  |
| 658.9  |
| 623.2  |
| 596.2  |
| 598.4  |
| 578.9  |
| 534.7  |
| 491.4  |
| 454.7  |
| 429.9  |
| 412.6  |
| 380.2  |
| 353.2  |
| 315.4  |
| 273.3  |
| 231.1  |
| 206.3  |
| 183.6  |
| 144.7  |
| 105.9  |
| 83.2   |
| 55.1   |
| 35.6   |
| 14.0   |
| 0.0    |
| 0.0    |

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