

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: P941007

Luminaire Tested: **GLAN-SB4B-830-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-830-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20292 lumens  
Efficiency: N/A  
Efficacy: 138.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

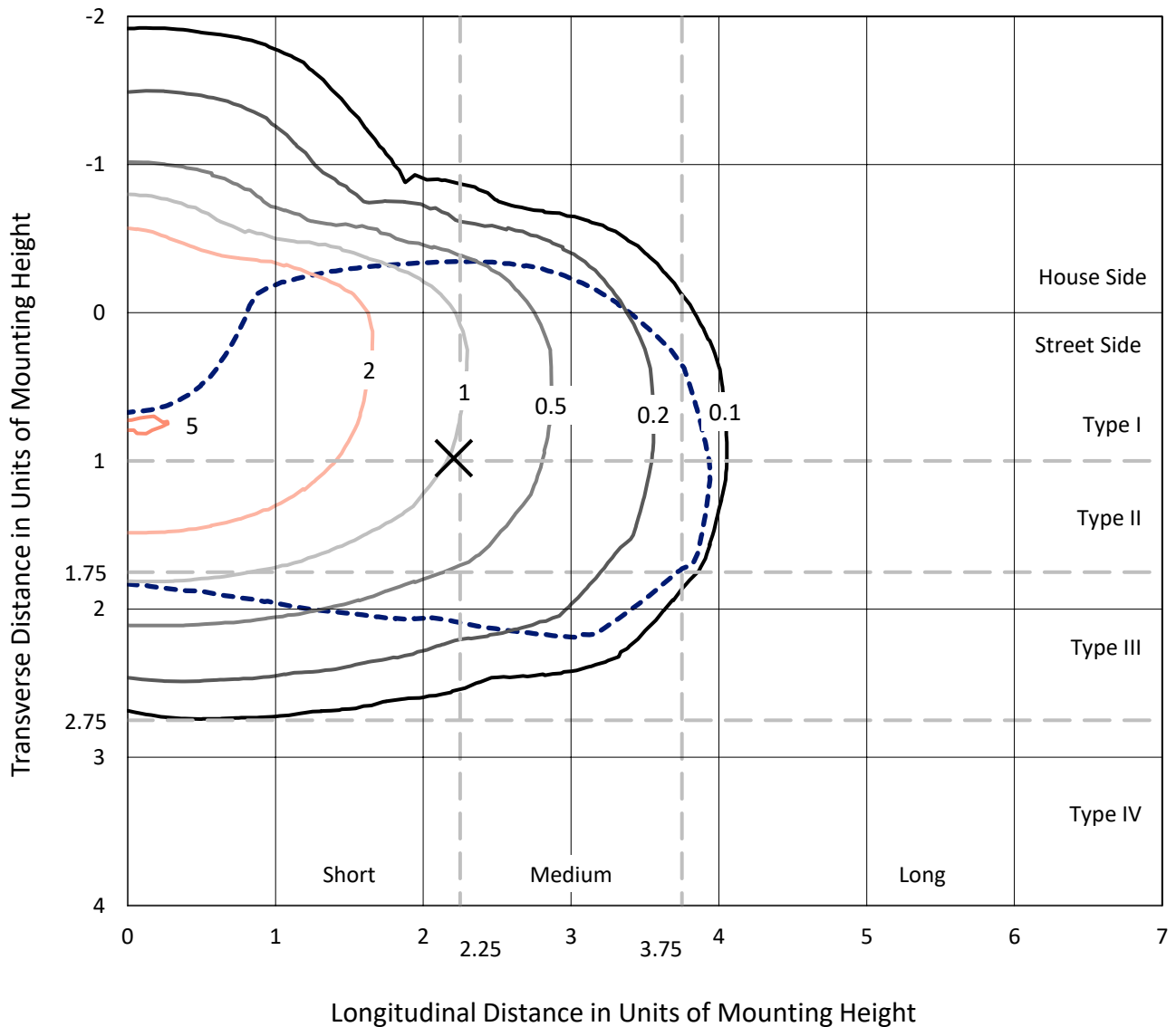
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

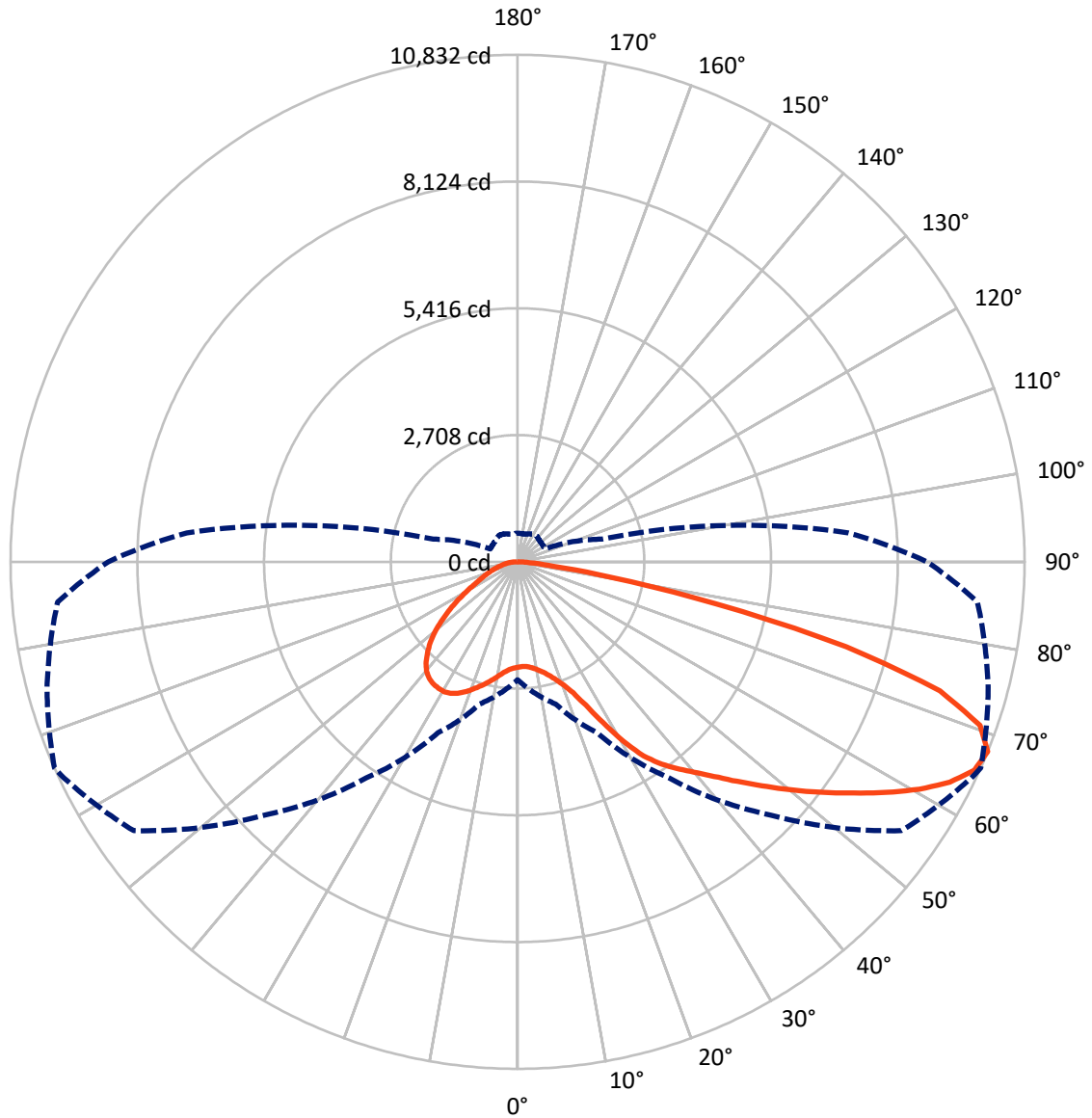
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5045.5   | 0.0    | 5045.5  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 15246.5  | 0.0    | 15246.5 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 20292.0  | 0.0    | 20292.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 223.1   | 1.1       |
| 10°-20°   | 737.2   | 3.6       |
| 20°-30°   | 1421.0  | 7.0       |
| 30°-40°   | 2491.5  | 12.3      |
| 40°-50°   | 3704.0  | 18.3      |
| 50°-60°   | 4695.2  | 23.1      |
| 60°-70°   | 4594.2  | 22.6      |
| 70°-80°   | 2191.5  | 10.8      |
| 80°-90°   | 234.2   | 1.2       |
| 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°    | 20292.0 | 100.0     |
| 0°-180°   | 20292.0 | 100.0     |

**Coefficient of Utilization**



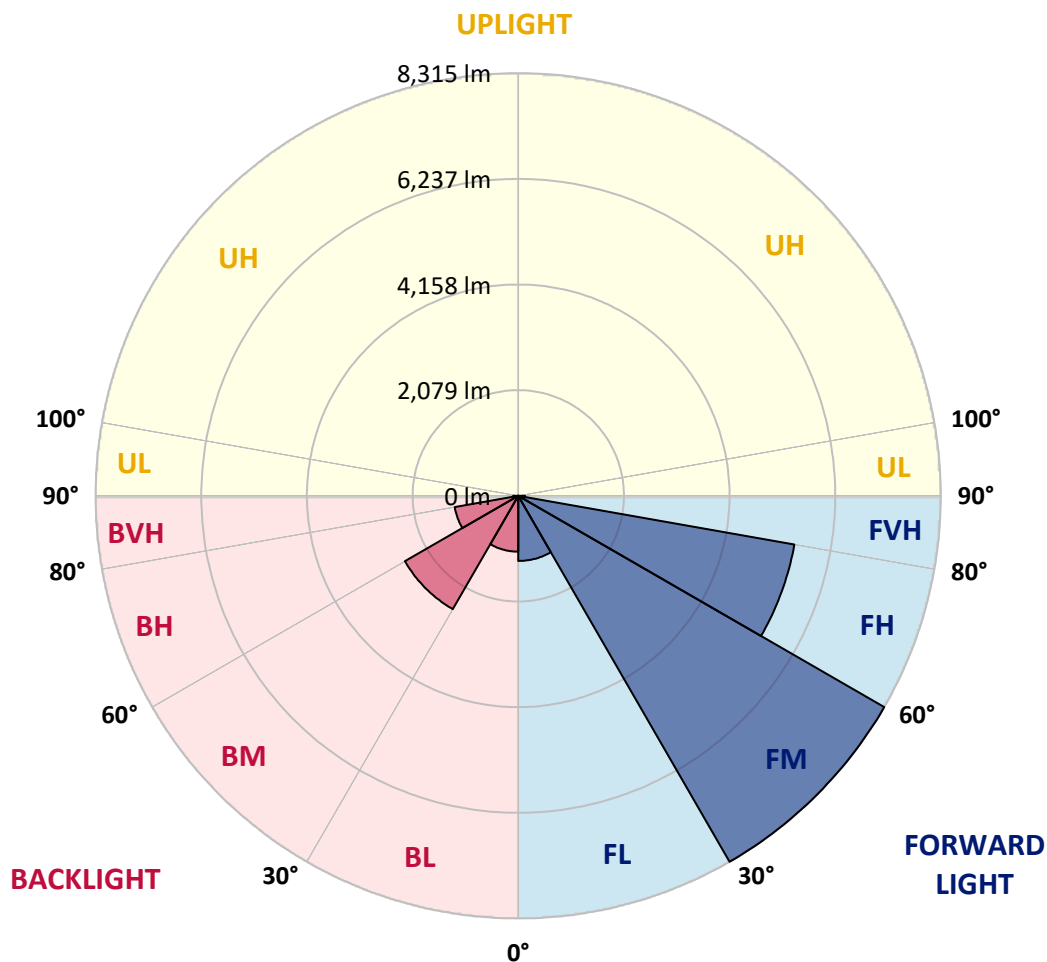
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1282.3 | 6.3       |                         |      |         |
| FM (30°-60°)   | 8315.5 | 41.0      |                         |      |         |
| FH (60°-80°)   | 5515.9 | 27.2      |                         |      | G3/7500 |
| FVH (80°-90°)  | 132.8  | 0.7       |                         |      | G2/225  |
| BL (0°-30°)    | 1099.1 | 5.4       | B3/2500                 |      |         |
| BM (30°-60°)   | 2575.3 | 12.7      | B3/5000                 |      |         |
| BH (60°-80°)   | 1269.7 | 6.3       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 101.4  | 0.5       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 66°     | 75°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 2250.7 | 2250.7 | 2250.7 | 2250.7 | 2250.7 | 2250.7 | 2250.7  | 2250.7  | 2250.7  | 2250.7  |
| 2.5°  | 2227.2 | 2240.0 | 2236.8 | 2231.5 | 2230.4 | 2232.5 | 2235.7  | 2238.9  | 2237.9  | 2243.2  |
| 5°    | 2220.8 | 2233.6 | 2232.5 | 2232.5 | 2236.8 | 2245.3 | 2250.7  | 2256.0  | 2250.7  | 2257.0  |
| 7.5°  | 2225.1 | 2234.7 | 2238.9 | 2243.2 | 2253.8 | 2269.8 | 2282.6  | 2294.4  | 2288.0  | 2295.4  |
| 10°   | 2279.4 | 2286.9 | 2291.2 | 2291.2 | 2298.6 | 2316.8 | 2329.5  | 2350.9  | 2345.5  | 2357.3  |
| 12.5° | 2378.6 | 2386.1 | 2386.1 | 2381.8 | 2387.1 | 2398.8 | 2403.1  | 2426.6  | 2417.0  | 2436.2  |
| 15°   | 2500.1 | 2515.1 | 2503.3 | 2495.9 | 2498.0 | 2509.7 | 2508.7  | 2526.8  | 2517.2  | 2533.2  |
| 17.5° | 2634.5 | 2653.7 | 2634.5 | 2633.4 | 2629.1 | 2641.9 | 2643.0  | 2659.0  | 2641.9  | 2653.7  |
| 20°   | 2793.3 | 2820.0 | 2804.0 | 2809.3 | 2799.7 | 2805.1 | 2810.4  | 2833.8  | 2807.2  | 2815.7  |
| 22.5° | 3017.2 | 3049.2 | 3032.1 | 3052.4 | 3046.0 | 3041.7 | 3040.7  | 3082.3  | 3040.7  | 3043.9  |
| 25°   | 3343.5 | 3381.8 | 3352.0 | 3379.7 | 3379.7 | 3393.6 | 3409.6  | 3462.9  | 3393.6  | 3373.3  |
| 27.5° | 3825.4 | 3863.7 | 3805.1 | 3822.2 | 3816.8 | 3850.9 | 3833.9  | 3966.1  | 3891.5  | 3858.4  |
| 30°   | 4405.3 | 4473.6 | 4362.7 | 4358.4 | 4353.1 | 4407.5 | 4432.0  | 4519.4  | 4443.7  | 4410.7  |
| 32.5° | 5032.2 | 5103.7 | 4971.5 | 4933.1 | 4912.8 | 4945.9 | 4925.6  | 4996.0  | 4943.8  | 4892.6  |
| 35°   | 5695.4 | 5765.8 | 5640.0 | 5565.3 | 5484.3 | 5415.0 | 5342.5  | 5360.6  | 5311.6  | 5233.7  |
| 37.5° | 6322.3 | 6451.3 | 6318.0 | 6238.1 | 6088.8 | 5953.4 | 5750.8  | 5666.6  | 5620.8  | 5549.3  |
| 40°   | 6960.9 | 7034.5 | 6933.2 | 6865.0 | 6702.9 | 6490.7 | 6166.6  | 5988.6  | 5926.7  | 5857.4  |
| 42.5° | 7431.1 | 7501.5 | 7447.1 | 7400.2 | 7273.3 | 7027.0 | 6608.0  | 6385.2  | 6295.6  | 6217.8  |
| 45°   | 7804.2 | 7856.5 | 7822.4 | 7839.4 | 7785.1 | 7546.2 | 7065.4  | 6810.6  | 6717.8  | 6622.9  |
| 47.5° | 7954.6 | 8010.0 | 8064.4 | 8165.7 | 8258.4 | 8082.5 | 7556.9  | 7271.2  | 7173.1  | 7076.1  |
| 50°   | 7937.5 | 7994.0 | 8151.8 | 8367.2 | 8655.0 | 8596.4 | 8075.0  | 7761.6  | 7671.0  | 7560.1  |
| 52.5° | 7801.0 | 7865.0 | 8067.6 | 8425.8 | 8884.3 | 8981.3 | 8602.8  | 8268.0  | 8182.7  | 8050.5  |
| 55°   | 7442.8 | 7481.2 | 7785.1 | 8292.5 | 8938.6 | 9250.0 | 9119.9  | 8807.5  | 8722.2  | 8537.8  |
| 57.5° | 6778.6 | 6834.0 | 7276.5 | 7933.3 | 8802.2 | 9432.3 | 9574.1  | 9374.7  | 9292.6  | 9027.1  |
| 60°   | 5911.8 | 6000.3 | 6506.7 | 7329.8 | 8454.6 | 9431.2 | 9986.7  | 9932.3  | 9864.1  | 9509.0  |
| 62.5° | 4931.0 | 5033.3 | 5520.5 | 6476.9 | 7846.9 | 9163.6 | 10244.7 | 10399.3 | 10364.1 | 9953.6  |
| 65°   | 3787.0 | 3857.3 | 4342.4 | 5373.4 | 6901.2 | 8588.9 | 10274.5 | 10718.0 | 10724.4 | 10291.6 |
| 67.5° | 2521.5 | 2724.0 | 3145.2 | 4032.2 | 5634.6 | 7649.7 | 10012.3 | 10770.3 | 10832.1 | 10407.8 |
| 70°   | 1230.3 | 1496.9 | 1909.5 | 2620.6 | 4032.2 | 6209.3 | 9326.7  | 10341.7 | 10479.2 | 10068.8 |
| 72.5° | 510.7  | 597.0  | 822.0  | 1293.2 | 2314.6 | 4190.0 | 7949.2  | 9179.6  | 9434.4  | 8921.6  |
| 75°   | 344.4  | 373.2  | 470.2  | 663.1  | 1054.4 | 2066.2 | 5732.7  | 6844.7  | 7255.2  | 6738.1  |
| 77.5° | 265.5  | 283.6  | 342.2  | 463.8  | 626.9  | 781.5  | 3068.4  | 4124.9  | 4337.1  | 4015.1  |
| 80°   | 209.0  | 222.8  | 255.9  | 338.0  | 444.6  | 417.9  | 1045.9  | 1869.0  | 1991.6  | 1670.7  |
| 82.5° | 181.2  | 186.6  | 183.4  | 229.2  | 295.3  | 244.1  | 343.3   | 689.8   | 761.2   | 552.3   |
| 85°   | 131.1  | 146.1  | 152.5  | 141.8  | 156.7  | 123.7  | 140.7   | 244.1   | 268.7   | 239.9   |
| 87.5° | 53.3   | 78.9   | 97.0   | 91.7   | 57.6   | 35.2   | 43.7    | 71.4    | 82.1    | 89.6    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2250.7 | 0°    | 2250.7 | 2250.7 | 2250.7 | 2250.7 | 2250.7 | 2250.7 | 2250.7 | 2250.7 | 2250.7 | 2250.7 |
| 2251.7 | 2.5°  | 2252.8 | 2260.2 | 2265.6 | 2272.0 | 2276.2 | 2282.6 | 2295.4 | 2302.9 | 2304.0 | 2309.3 |
| 2268.8 | 5°    | 2273.0 | 2283.7 | 2295.4 | 2312.5 | 2331.7 | 2347.7 | 2372.2 | 2389.3 | 2395.6 | 2401.0 |
| 2310.4 | 7.5°  | 2316.8 | 2331.7 | 2353.0 | 2382.9 | 2410.6 | 2431.9 | 2461.7 | 2482.0 | 2502.3 | 2509.7 |
| 2376.5 | 10°   | 2381.8 | 2403.1 | 2434.0 | 2474.5 | 2504.4 | 2532.1 | 2563.0 | 2580.1 | 2600.3 | 2608.9 |
| 2455.4 | 12.5° | 2462.8 | 2485.2 | 2525.7 | 2582.2 | 2609.9 | 2629.1 | 2639.8 | 2635.5 | 2639.8 | 2647.3 |
| 2550.2 | 15°   | 2555.6 | 2580.1 | 2625.9 | 2686.7 | 2705.9 | 2688.8 | 2665.4 | 2644.1 | 2640.9 | 2643.0 |
| 2665.4 | 17.5° | 2665.4 | 2683.5 | 2736.8 | 2788.0 | 2774.1 | 2703.8 | 2652.6 | 2618.5 | 2601.4 | 2596.1 |
| 2812.5 | 20°   | 2818.9 | 2818.9 | 2862.6 | 2894.6 | 2801.9 | 2682.4 | 2602.5 | 2547.0 | 2511.9 | 2496.9 |
| 3013.0 | 22.5° | 3005.5 | 2988.4 | 3016.1 | 2993.8 | 2796.5 | 2622.7 | 2511.9 | 2415.9 | 2362.6 | 2341.3 |
| 3293.3 | 25°   | 3242.2 | 3221.9 | 3214.5 | 3075.9 | 2758.1 | 2527.9 | 2347.7 | 2231.5 | 2184.5 | 2172.8 |
| 3697.4 | 27.5° | 3599.3 | 3548.2 | 3451.1 | 3120.6 | 2687.8 | 2378.6 | 2155.8 | 2048.1 | 2021.4 | 2022.5 |
| 4216.6 | 30°   | 4074.8 | 3972.5 | 3734.7 | 3128.1 | 2572.6 | 2167.5 | 1959.6 | 1882.8 | 1870.0 | 1875.4 |
| 4652.7 | 32.5° | 4515.2 | 4418.1 | 4024.7 | 3094.0 | 2395.6 | 1960.7 | 1783.7 | 1732.5 | 1713.3 | 1719.7 |
| 4985.3 | 35°   | 4860.6 | 4833.9 | 4293.4 | 3046.0 | 2178.2 | 1766.6 | 1625.9 | 1582.2 | 1544.9 | 1536.3 |
| 5298.8 | 37.5° | 5186.8 | 5176.2 | 4494.9 | 2978.8 | 1962.8 | 1629.1 | 1499.0 | 1441.4 | 1387.1 | 1357.2 |
| 5645.3 | 40°   | 5545.1 | 5534.4 | 4627.1 | 2875.4 | 1771.9 | 1509.7 | 1384.9 | 1309.2 | 1242.1 | 1187.7 |
| 6037.6 | 42.5° | 5948.1 | 5885.2 | 4690.0 | 2727.2 | 1609.9 | 1408.4 | 1292.2 | 1189.8 | 1101.3 | 1051.2 |
| 6481.1 | 45°   | 6388.4 | 6246.6 | 4688.9 | 2538.5 | 1473.4 | 1315.6 | 1193.0 | 1048.0 | 965.9  | 919.0  |
| 6936.4 | 47.5° | 6855.4 | 6592.0 | 4631.4 | 2329.5 | 1341.2 | 1213.3 | 1039.5 | 928.6  | 874.2  | 845.5  |
| 7431.1 | 50°   | 7337.3 | 6915.1 | 4533.3 | 2089.7 | 1205.8 | 1097.1 | 943.5  | 867.8  | 826.3  | 799.6  |
| 7921.5 | 52.5° | 7790.4 | 7208.3 | 4414.9 | 1817.8 | 1068.3 | 984.1  | 900.9  | 842.3  | 798.5  | 768.7  |
| 8397.0 | 55°   | 8211.5 | 7460.9 | 4247.6 | 1539.5 | 956.3  | 908.4  | 880.6  | 831.6  | 781.5  | 746.3  |
| 8880.0 | 57.5° | 8585.7 | 7625.1 | 3958.6 | 1278.3 | 876.4  | 856.1  | 859.3  | 813.5  | 755.9  | 726.1  |
| 9355.5 | 60°   | 8897.1 | 7745.6 | 3531.1 | 1036.3 | 811.3  | 804.9  | 826.3  | 779.4  | 712.2  | 678.1  |
| 9757.4 | 62.5° | 9083.6 | 7743.5 | 3006.6 | 848.7  | 755.9  | 758.0  | 782.6  | 736.7  | 668.5  | 636.5  |
| 9967.5 | 65°   | 9067.6 | 7553.7 | 2430.8 | 726.1  | 702.6  | 704.7  | 736.7  | 689.8  | 632.2  | 613.0  |
| 9861.9 | 67.5° | 8746.7 | 7091.0 | 1864.7 | 646.1  | 644.0  | 653.6  | 690.9  | 657.8  | 609.8  | 607.7  |
| 9232.9 | 70°   | 7877.8 | 6130.4 | 1343.4 | 582.1  | 583.2  | 597.0  | 646.1  | 637.6  | 598.1  | 602.4  |
| 7762.7 | 72.5° | 6317.0 | 4674.0 | 902.0  | 515.0  | 516.0  | 538.4  | 603.4  | 621.6  | 586.4  | 642.9  |
| 5507.8 | 75°   | 4207.0 | 2914.9 | 580.0  | 443.5  | 444.6  | 473.4  | 566.1  | 590.6  | 554.4  | 640.8  |
| 2865.8 | 77.5° | 2021.4 | 1310.3 | 420.1  | 373.2  | 373.2  | 399.8  | 489.4  | 528.8  | 472.3  | 497.9  |
| 921.2  | 80°   | 698.3  | 492.6  | 330.5  | 300.7  | 294.3  | 312.4  | 412.6  | 458.4  | 407.3  | 375.3  |
| 300.7  | 82.5° | 275.1  | 255.9  | 265.5  | 233.5  | 212.2  | 223.9  | 320.9  | 378.5  | 299.6  | 270.8  |
| 169.5  | 85°   | 157.8  | 166.3  | 187.6  | 154.6  | 122.6  | 137.5  | 235.6  | 271.9  | 226.0  | 199.4  |
| 55.4   | 87.5° | 42.6   | 58.6   | 86.4   | 80.0   | 55.4   | 58.6   | 111.9  | 150.3  | 130.1  | 100.2  |
| 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°   |
|--------|
| 2250.7 |
| 2308.2 |
| 2399.9 |
| 2510.8 |
| 2613.1 |
| 2649.4 |
| 2650.5 |
| 2603.5 |
| 2493.7 |
| 2338.1 |
| 2175.0 |
| 2025.7 |
| 1893.5 |
| 1728.2 |
| 1542.7 |
| 1358.3 |
| 1193.0 |
| 1054.4 |
| 916.9  |
| 839.1  |
| 790.0  |
| 755.9  |
| 732.4  |
| 706.9  |
| 663.1  |
| 626.9  |
| 612.0  |
| 610.9  |
| 601.3  |
| 651.4  |
| 646.1  |
| 456.3  |
| 351.8  |
| 269.7  |
| 203.6  |
| 103.4  |
| 0.0    |

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