

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: P941696

Luminaire Tested: **GLAN-SB5B-835-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941696  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5B-835-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20692 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 182.7  
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



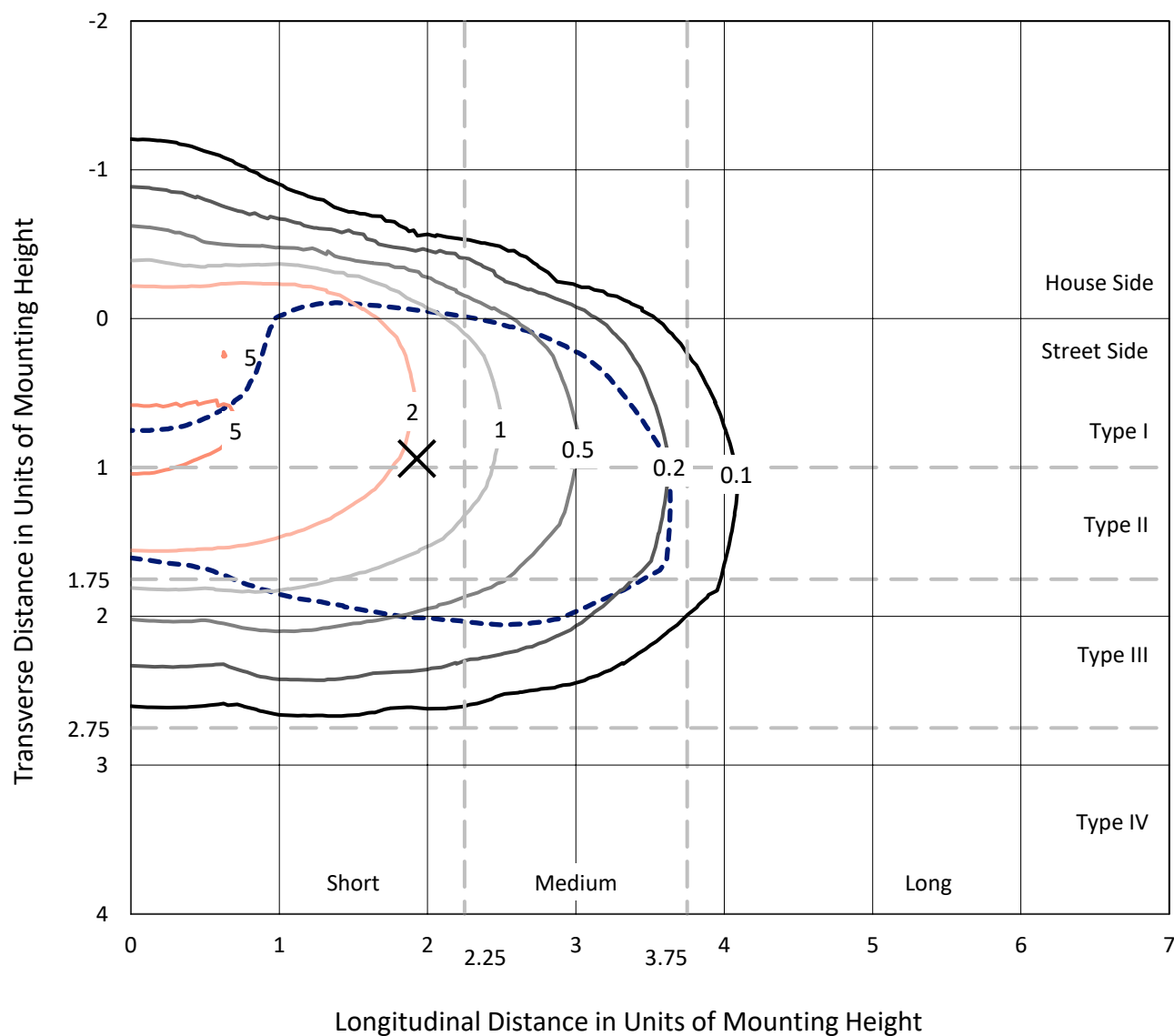
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



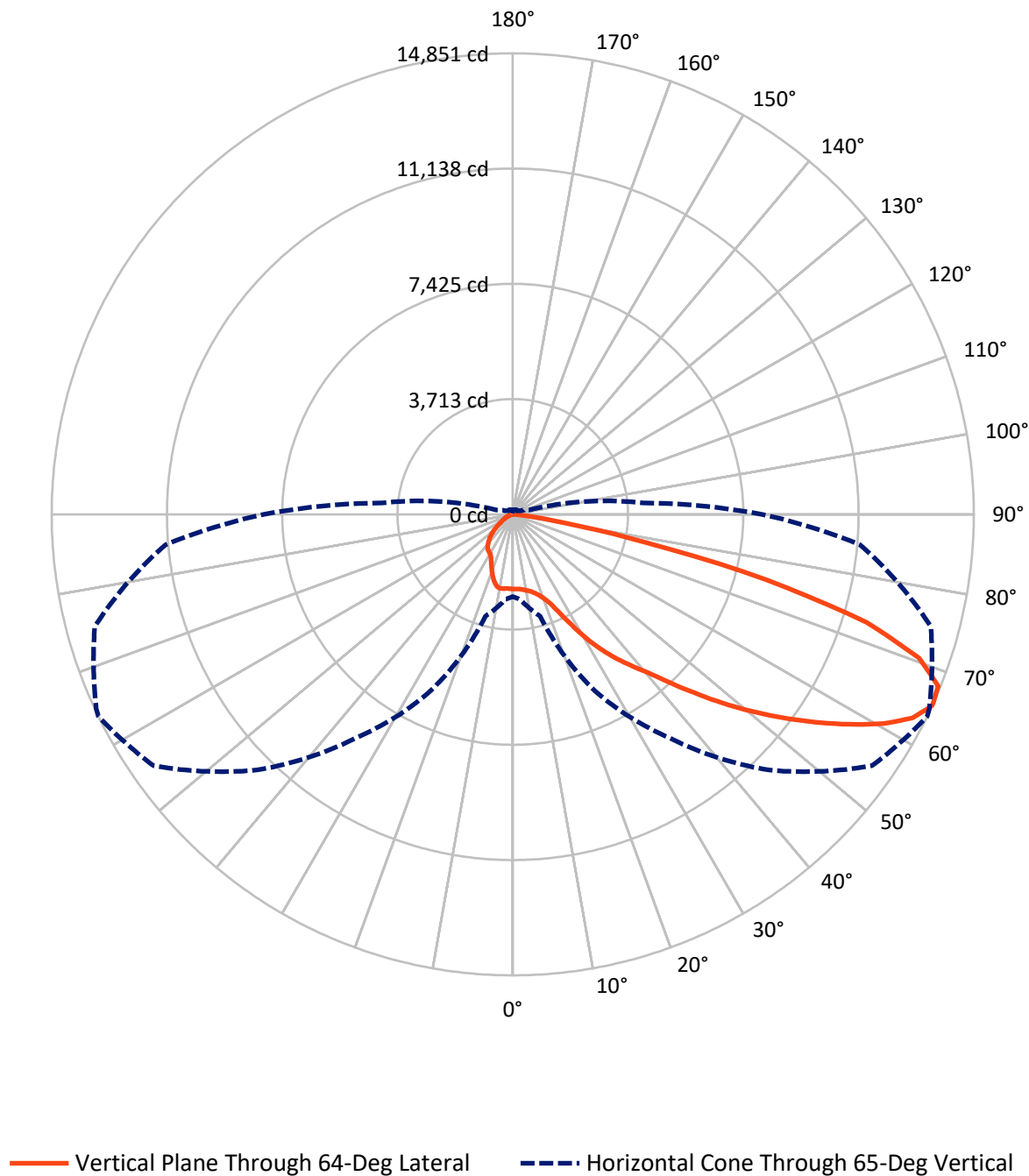
Based on 25 foot mounting height. Maximum calculated value = 6.1 fc

Type III - 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    | 2767.2   | 0.0    | 2767.2  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 17924.9  | 0.0    | 17924.9 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 20692.0  | 0.0    | 20692.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 222.0   | 1.1       |
| 10°-20°   | 602.2   | 2.9       |
| 20°-30°   | 1141.2  | 5.5       |
| 30°-40°   | 2309.2  | 11.2      |
| 40°-50°   | 3933.8  | 19.0      |
| 50°-60°   | 5349.7  | 25.9      |
| 60°-70°   | 5023.6  | 24.3      |
| 70°-80°   | 2012.7  | 9.7       |
| 80°-90°   | 97.5    | 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°    | 20692.0 | 100.0     |
| 0°-180°   | 20692.0 | 100.0     |

**Coefficient of Utilization**



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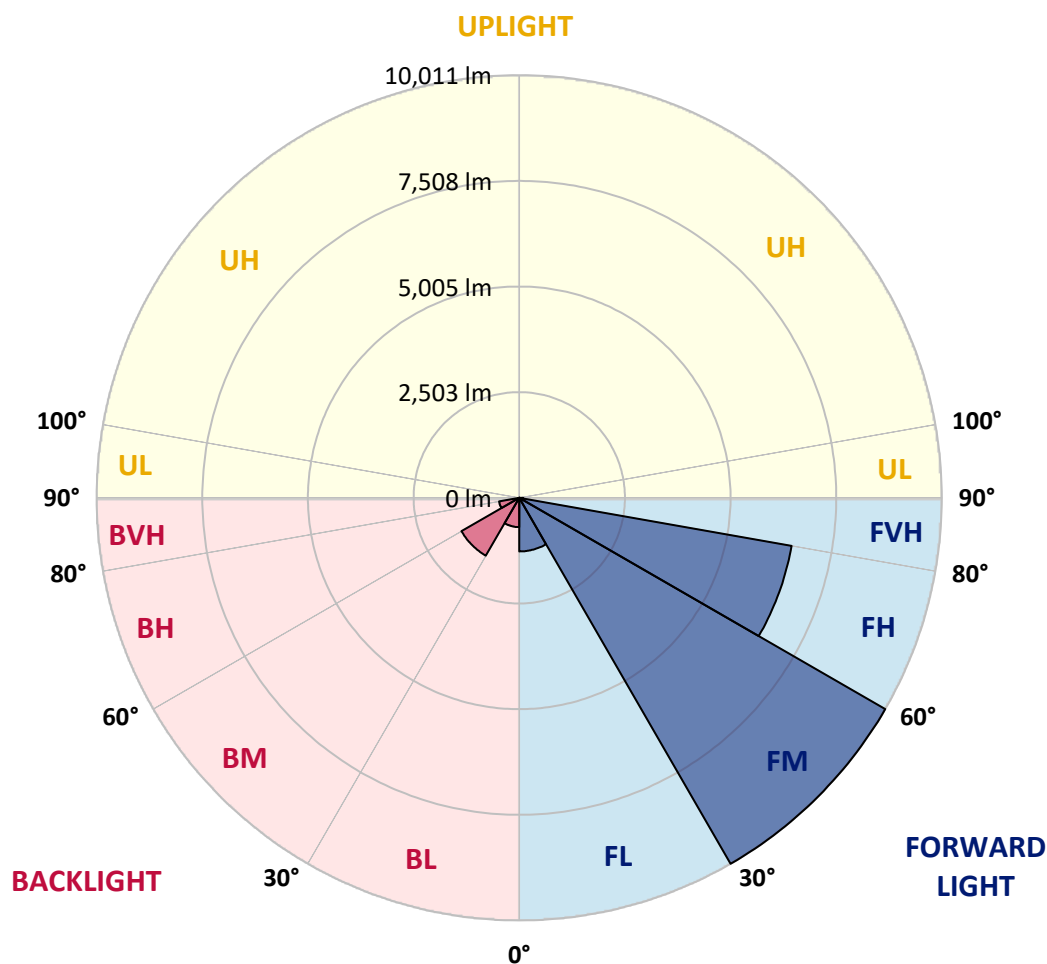
CATALOG NUMBER: GLAN-SB5B-835-U-T3-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1270.7  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 10010.8 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 6550.6  | 31.7      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 92.7    | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 694.7   | 3.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1582.0  | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 485.7   | 2.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.8     | 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-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2406.7 | 2406.7 | 2406.7 | 2406.7  | 2406.7  | 2406.7  | 2406.7  | 2406.7  | 2406.7  | 2406.7  |
| 2.5°  | 2398.4 | 2415.0 | 2410.9 | 2406.7  | 2405.3  | 2408.1  | 2409.5  | 2408.1  | 2408.1  | 2408.1  |
| 5°    | 2352.6 | 2366.5 | 2366.5 | 2376.2  | 2390.0  | 2406.7  | 2419.2  | 2422.0  | 2424.7  | 2428.9  |
| 7.5°  | 2265.2 | 2276.3 | 2284.6 | 2316.5  | 2351.2  | 2395.6  | 2433.1  | 2452.5  | 2455.2  | 2470.5  |
| 10°   | 2205.6 | 2219.4 | 2233.3 | 2266.6  | 2316.5  | 2383.1  | 2446.9  | 2494.1  | 2501.0  | 2537.1  |
| 12.5° | 2202.8 | 2216.7 | 2234.7 | 2270.8  | 2329.0  | 2399.8  | 2477.4  | 2545.4  | 2557.9  | 2610.6  |
| 15°   | 2231.9 | 2248.6 | 2265.2 | 2309.6  | 2372.0  | 2458.0  | 2541.2  | 2625.9  | 2638.3  | 2713.3  |
| 17.5° | 2291.6 | 2313.8 | 2326.2 | 2370.6  | 2437.2  | 2532.9  | 2642.5  | 2739.6  | 2750.7  | 2838.1  |
| 20°   | 2409.5 | 2435.8 | 2440.0 | 2476.1  | 2541.2  | 2643.9  | 2774.3  | 2895.0  | 2908.8  | 3008.7  |
| 22.5° | 2653.6 | 2691.1 | 2657.8 | 2675.8  | 2734.1  | 2836.7  | 2978.2  | 3130.8  | 3150.2  | 3263.9  |
| 25°   | 3083.6 | 3136.3 | 3050.3 | 3019.8  | 3044.8  | 3151.6  | 3329.1  | 3522.0  | 3544.2  | 3635.7  |
| 27.5° | 3928.4 | 3860.4 | 3730.0 | 3602.4  | 3527.5  | 3588.5  | 3788.3  | 4026.9  | 4054.6  | 4143.4  |
| 30°   | 4856.4 | 4796.7 | 4620.6 | 4337.6  | 4160.0  | 4150.3  | 4334.8  | 4601.2  | 4633.1  | 4717.7  |
| 32.5° | 5785.8 | 5728.9 | 5537.5 | 5189.3  | 4881.4  | 4728.8  | 4856.4  | 5151.9  | 5168.5  | 5222.6  |
| 35°   | 6699.9 | 6641.6 | 6450.2 | 6093.7  | 5715.0  | 5368.2  | 5343.3  | 5676.2  | 5681.7  | 5738.6  |
| 37.5° | 7619.6 | 7571.0 | 7367.1 | 7017.6  | 6644.4  | 6165.9  | 5934.2  | 6172.8  | 6179.7  | 6235.2  |
| 40°   | 8275.7 | 8296.5 | 8156.4 | 7885.9  | 7565.5  | 7042.5  | 6597.3  | 6701.3  | 6659.7  | 6752.6  |
| 42.5° | 8838.9 | 8880.5 | 8758.4 | 8622.5  | 8436.6  | 7976.1  | 7418.4  | 7400.4  | 7333.8  | 7383.8  |
| 45°   | 9325.8 | 9360.4 | 9250.9 | 9219.0  | 9214.8  | 8891.6  | 8315.9  | 8207.7  | 8114.8  | 8105.1  |
| 47.5° | 9504.7 | 9571.3 | 9618.5 | 9725.3  | 9933.3  | 9797.4  | 9243.9  | 9076.1  | 8972.0  | 8895.8  |
| 50°   | 9572.7 | 9643.4 | 9804.3 | 10115.1 | 10607.5 | 10665.7 | 10167.8 | 9979.1  | 9851.5  | 9712.8  |
| 52.5° | 9481.1 | 9607.4 | 9823.8 | 10346.7 | 11061.1 | 11362.1 | 11054.1 | 10889.1 | 10743.4 | 10517.3 |
| 55°   | 8941.5 | 9067.8 | 9510.3 | 10343.9 | 11287.2 | 11850.4 | 11892.0 | 11818.5 | 11654.8 | 11298.3 |
| 57.5° | 7804.1 | 7991.3 | 8691.8 | 9991.6  | 11283.0 | 12270.7 | 12713.2 | 12765.9 | 12582.8 | 12072.3 |
| 60°   | 6228.3 | 6482.1 | 7336.6 | 9210.6  | 10934.9 | 12498.2 | 13433.1 | 13696.7 | 13502.5 | 12835.2 |
| 62.5° | 4345.9 | 4640.0 | 5448.7 | 7987.2  | 10138.6 | 12334.5 | 13958.8 | 14445.7 | 14298.7 | 13517.7 |
| 65°   | 2650.8 | 2745.2 | 3397.1 | 6285.1  | 8784.8  | 11649.2 | 14121.1 | 14850.8 | 14802.2 | 13935.2 |
| 67.5° | 1765.8 | 1844.9 | 2032.2 | 4309.9  | 6819.2  | 10280.1 | 13732.7 | 14780.0 | 14793.9 | 13867.3 |
| 70°   | 1063.9 | 1131.9 | 1254.0 | 2506.6  | 4419.4  | 8137.0  | 12530.1 | 13878.4 | 13958.8 | 12958.7 |
| 72.5° | 438.3  | 484.1  | 595.1  | 1136.1  | 2288.8  | 5164.3  | 9977.7  | 11915.6 | 12102.8 | 10896.0 |
| 75°   | 248.3  | 271.9  | 349.6  | 570.1   | 993.2   | 2406.7  | 6043.8  | 8458.8  | 8734.8  | 7510.0  |
| 77.5° | 165.1  | 176.2  | 226.1  | 369.0   | 559.0   | 821.2   | 2582.9  | 4407.0  | 4934.1  | 4101.8  |
| 80°   | 111.0  | 120.7  | 155.4  | 246.9   | 363.4   | 352.3   | 822.6   | 1632.7  | 2008.6  | 1409.3  |
| 82.5° | 74.9   | 76.3   | 111.0  | 162.3   | 230.3   | 170.6   | 242.8   | 507.7   | 638.1   | 407.8   |
| 85°   | 43.0   | 41.6   | 81.8   | 94.3    | 102.6   | 70.7    | 73.5    | 152.6   | 199.7   | 172.0   |
| 87.5° | 5.5    | 8.3    | 31.9   | 25.0    | 13.9    | 15.3    | 15.3    | 26.4    | 38.8    | 41.6    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2406.7  | 0°    | 2406.7 | 2406.7 | 2406.7 | 2406.7 | 2406.7 | 2406.7 | 2406.7 | 2406.7 | 2406.7 | 2406.7 |
| 2409.5  | 2.5°  | 2409.5 | 2408.1 | 2403.9 | 2399.8 | 2390.0 | 2384.5 | 2387.3 | 2384.5 | 2383.1 | 2384.5 |
| 2427.5  | 5°    | 2427.5 | 2423.3 | 2412.2 | 2398.4 | 2379.0 | 2355.4 | 2340.1 | 2317.9 | 2297.1 | 2284.6 |
| 2476.1  | 7.5°  | 2476.1 | 2471.9 | 2456.6 | 2417.8 | 2355.4 | 2256.9 | 2166.7 | 2087.7 | 2028.0 | 1993.3 |
| 2553.7  | 10°   | 2553.7 | 2546.8 | 2523.2 | 2437.2 | 2273.5 | 2058.5 | 1879.6 | 1731.2 | 1634.1 | 1588.3 |
| 2645.3  | 12.5° | 2645.3 | 2637.0 | 2595.3 | 2419.2 | 2118.2 | 1782.5 | 1535.6 | 1370.5 | 1280.3 | 1240.1 |
| 2750.7  | 15°   | 2753.5 | 2742.4 | 2660.5 | 2333.2 | 1892.1 | 1477.3 | 1251.2 | 1127.7 | 1069.5 | 1033.4 |
| 2885.3  | 17.5° | 2888.0 | 2868.6 | 2709.1 | 2204.2 | 1646.5 | 1244.3 | 1076.4 | 983.5  | 932.2  | 897.5  |
| 3061.4  | 20°   | 3062.8 | 3030.9 | 2747.9 | 2050.2 | 1420.4 | 1097.2 | 958.5  | 880.8  | 842.0  | 811.5  |
| 3311.1  | 22.5° | 3307.0 | 3261.2 | 2795.1 | 1883.7 | 1260.9 | 996.0  | 871.1  | 814.3  | 782.3  | 747.7  |
| 3659.3  | 25°   | 3609.3 | 3555.2 | 2853.4 | 1729.8 | 1151.3 | 908.6  | 807.3  | 760.2  | 722.7  | 682.5  |
| 4115.7  | 27.5° | 4032.4 | 3935.3 | 2922.7 | 1603.5 | 1057.0 | 833.7  | 749.1  | 696.3  | 653.3  | 620.1  |
| 4633.1  | 30°   | 4504.1 | 4344.5 | 2983.7 | 1527.2 | 971.0  | 764.3  | 672.8  | 620.1  | 579.8  | 556.2  |
| 5097.8  | 32.5° | 4950.7 | 4734.3 | 3024.0 | 1494.0 | 893.3  | 685.2  | 589.5  | 532.7  | 502.1  | 495.2  |
| 5552.7  | 35°   | 5372.4 | 5086.7 | 3019.8 | 1462.0 | 824.0  | 606.2  | 507.7  | 449.4  | 425.9  | 430.0  |
| 6042.4  | 37.5° | 5857.9 | 5462.6 | 2990.7 | 1412.1 | 767.1  | 534.1  | 437.0  | 385.6  | 364.8  | 366.2  |
| 6637.5  | 40°   | 6422.5 | 5896.7 | 2972.6 | 1317.8 | 704.7  | 467.5  | 378.7  | 337.1  | 321.8  | 316.3  |
| 7264.5  | 42.5° | 7024.5 | 6317.1 | 2975.4 | 1211.0 | 627.0  | 407.8  | 338.5  | 303.8  | 289.9  | 285.8  |
| 7962.2  | 45°   | 7629.3 | 6717.9 | 2979.6 | 1100.0 | 545.1  | 362.0  | 309.3  | 280.2  | 271.9  | 266.3  |
| 8669.6  | 47.5° | 8198.0 | 7059.2 | 2901.9 | 980.7  | 464.7  | 327.4  | 285.8  | 266.3  | 259.4  | 252.5  |
| 9379.9  | 50°   | 8727.9 | 7286.7 | 2714.6 | 842.0  | 400.9  | 299.6  | 267.7  | 253.8  | 246.9  | 240.0  |
| 10023.5 | 52.5° | 9139.9 | 7322.7 | 2405.3 | 699.1  | 356.5  | 278.8  | 256.6  | 244.1  | 235.8  | 228.9  |
| 10543.7 | 55°   | 9323.0 | 7096.6 | 1965.6 | 566.0  | 321.8  | 260.8  | 245.5  | 233.0  | 223.3  | 216.4  |
| 10952.9 | 57.5° | 9275.8 | 6620.8 | 1532.8 | 455.0  | 288.5  | 242.8  | 231.7  | 223.3  | 212.2  | 201.1  |
| 11284.4 | 60°   | 9044.2 | 5984.1 | 1155.5 | 378.7  | 258.0  | 223.3  | 216.4  | 209.5  | 194.2  | 177.6  |
| 11412.0 | 62.5° | 8643.3 | 5183.8 | 824.0  | 313.5  | 224.7  | 201.1  | 198.4  | 192.8  | 170.6  | 140.1  |
| 11223.4 | 65°   | 8030.2 | 4211.4 | 554.9  | 260.8  | 192.8  | 176.2  | 177.6  | 167.8  | 138.7  | 104.0  |
| 10532.6 | 67.5° | 7134.1 | 3079.5 | 355.1  | 213.6  | 160.9  | 147.0  | 148.4  | 142.9  | 117.9  | 88.8   |
| 9223.1  | 70°   | 5992.5 | 2039.1 | 231.7  | 162.3  | 129.0  | 113.7  | 122.1  | 123.5  | 99.9   | 72.1   |
| 7078.6  | 72.5° | 4393.1 | 1204.0 | 162.3  | 120.7  | 94.3   | 79.1   | 99.9   | 102.6  | 80.5   | 54.1   |
| 4258.5  | 75°   | 2503.8 | 571.5  | 122.1  | 87.4   | 58.3   | 55.5   | 77.7   | 77.7   | 55.5   | 36.1   |
| 1843.5  | 77.5° | 1051.5 | 238.6  | 86.0   | 56.9   | 33.3   | 31.9   | 52.7   | 48.6   | 27.7   | 16.6   |
| 449.4   | 80°   | 303.8  | 106.8  | 45.8   | 27.7   | 13.9   | 12.5   | 20.8   | 15.3   | 6.9    | 2.8    |
| 170.6   | 82.5° | 119.3  | 47.2   | 18.0   | 11.1   | 5.5    | 5.5    | 2.8    | 0.0    | 0.0    | 0.0    |
| 97.1    | 85°   | 70.7   | 19.4   | 8.3    | 4.2    | 1.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 20.8    | 87.5° | 18.0   | 4.2    | 2.8    | 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°   |
|--------|
| 2406.7 |
| 2390.0 |
| 2287.4 |
| 1994.7 |
| 1584.1 |
| 1235.9 |
| 1034.8 |
| 894.7  |
| 805.9  |
| 742.1  |
| 678.3  |
| 613.1  |
| 552.1  |
| 499.4  |
| 430.0  |
| 371.8  |
| 314.9  |
| 284.4  |
| 266.3  |
| 252.5  |
| 240.0  |
| 227.5  |
| 215.0  |
| 199.7  |
| 174.8  |
| 137.3  |
| 101.3  |
| 84.6   |
| 69.4   |
| 51.3   |
| 33.3   |
| 16.6   |
| 2.8    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |